Stormwater Management Technical Assessment for Ryans Road Development

Prepared for

Carter Group Limited

March 2025

Quality Control Sheet

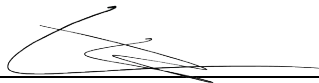|	
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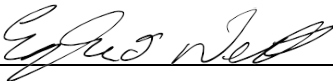| REV	Date	Status/Purpose	Prepared By	Reviewed by	Approved
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Limitations:

This report has been prepared by Pattle Delamore Partners Limited (PDP) on the basis of information provided by Carter Group Limited and [others (not directly contracted by PDP for the work)], including Tetra Tech Coffey   PDP has not independently verified the provided information and has relied upon it being accurate and sufficient for use by PDP in preparing the report. PDP accepts no responsibility for errors or omissions in, or the currency or sufficiency of, the provided information.

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Executive Summary

Pattle Delamore Partners Limited (PDP) has been engaged by Carter Group Ltd to provide a technical assessment supporting the Fast-track application for operational stormwater discharge consents required for the proposed industrial subdivision at 104 Ryans Rd.

The purpose of this assessment is to outline the infrastructure required for the proposed treatment, attenuation and disposal to ground of stormwater generated within the proposed development. The nature and characteristics of the stormwater discharge are also discussed. This technical document, along with the technical groundwater assessment memo, act as supporting documents to the Assessment of Environmental Effects report prepared by Novo Group Ltd.

Two operational stormwater discharge consents are required to service this development. One consent, a global stormwater consent for the whole site, is required to authorise the various discharges of stormwater generated by runoff from roof and hardstand areas within the individual sites to be created by the subdivision. The second discharge consent is required to authorise the discharge of treated stormwater runoff generated from the road reserve areas created by the subdivision. Both consents are required under Rules 5.96 and 5.97 of the Canterbury Land and Water Regional Plan (LWRP) and the discharges are classified as non-complying activities.

The site (104 Ryans Road) is 55.5 hectares consisting of Pt Lot 3 DP 22679, Lot 4 DP 22679 and Pt Lot 1 DP 2837, with a singular residential dwelling and other farm shed buildings. The site borders the southern boundary of Christchurch International Airport, primarily bound by Ryans Road to the south and Grays Road to the south-east.

The proposed industrial subdivision will involve the development of approximately 126 lots (varying in size), construction of public roading, footpath and berm areas along with two stormwater management areas each containing an infiltration basin and soak pit system. The development is proposed to provide land suitable for the establishment of logistics, warehousing, light manufacturing, and other airport-related businesses capable of providing significant regional/ national economic benefit.

It is proposed that the stormwater within the proposed subdivision will be managed as follows:

∴ All run-off from roofed areas on individual lots will be collected by gutters and downpipes and disposed to ground with no treatment by onsite soak pit(s) sized to accommodate a critical duration 2% Annual Exceedance Probability (AEP) event.

∴ Remaining stormwater runoff generated on the individual lots from hardstand and pervious areas will be directed to an onsite proprietary treatment device for treatment of the first flush flow prior to disposal to ground via a soak pit. Runoff more than first flush will bypass treatment via primary and secondary conveyance to on-site soak pits for disposal.

∴ Run-off generated from the proposed road reserve (road, footpath and berm areas) will be collected in sumps and conveyed via a reticulated network for treatment and attenuation to one of two first flush infiltration basin/ soak pit systems sized to meet the requirements of the Christchurch City Council (CCC) Wetlands, Waterways and Drainage Guide (WWDG).

The proposed infiltration basins will be dry basins which will only retain water for a period during and after a large rainfall event. The proposed system will successfully lower post development runoff to lower than pre-development flows by nature of isolation and disposal of run-off from individual lots. The proposed infiltration basins for both the northern and southern stormwater management areas (SMA) areas have been sized to mitigate potential water surface area by balancing attenuation between the basin and overflow soak pit during the critical 2% AEP design event. Sizing based on current catchment areas indicates both basins would exceed 1000 m^2 and are currently within 0.5km of each other, requiring resource consent under the Christchurch District Plan Airport Birdstrike rules. A global consent is sought for the discharge of stormwater from the proposed development to ground. Operational discharge consent is also sought to authorise the discharge of treated stormwater runoff generated from the road reserve areas created by the subdivision, via the proposed infiltration basins to ground. Consent is also being sought for the construction of both basins.

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1.0   Introduction

Carter Development Ltd (CGL or "the applicant") is seeking resource consent for the construction of an industrial subdivision at 104 Ryans Road ("the site"). The subdivision will involve the development of:

- Approximately 126 lots (of varying size).
- Construction of public roading, footpath and berm areas.
- Three waters infrastructure to service proposed lots.

The proposed development is to provide land suitable for the establishment of logistics, warehousing, light manufacturing, and other airport-related businesses capable of providing significant regional/ national economic benefit.

The purpose of this assessment is to outline the infrastructure required for the proposed treatment, attenuation and disposal to ground of stormwater generated within the proposed development. The nature and characteristics of the stormwater discharge are also discussed. This technical document, along with the technical groundwater assessment memo, acts as a supporting document to the Assessment of Environmental Effects report prepared by Novo Group Ltd.

Two operational stormwater discharge consents are required to service this development. One consent, a global stormwater consent for the whole site, is required to authorise the various discharges of stormwater generated by runoff from roof and hardstand areas within the individual sites to be created by the subdivision. The second discharge consent is required to authorise the discharge of treated stormwater runoff generated from the road reserve areas created by the subdivision. Both consents are required under Rules 5.96 and 5.97 of the Canterbury Land and Water Regional Plan (LWRP) and the discharges are classified as non-complying activities.

2.0   Site and Surrounding Environment

The site of proposed works found at 104 Ryans Road is split across three lots, known legally as:

- Lot 4 DP 22679
- Part Lot 3 DP 22679
- Part Lot 1 DP 2837

The site borders the southern boundary of Christchurch International Airport and is primarily bound by Ryans Road to the south and Grays Road to the south-east. The site is 55.55 hectares in area and is presently zoned as Rural Urban Fringe by the Christchurch City District Plan with a single residential dwelling and

associated infrastructure (shed structures, tanks) located on the south-east corner of the property. The site is currently used for grazing. Figure 1 below shows the site location.
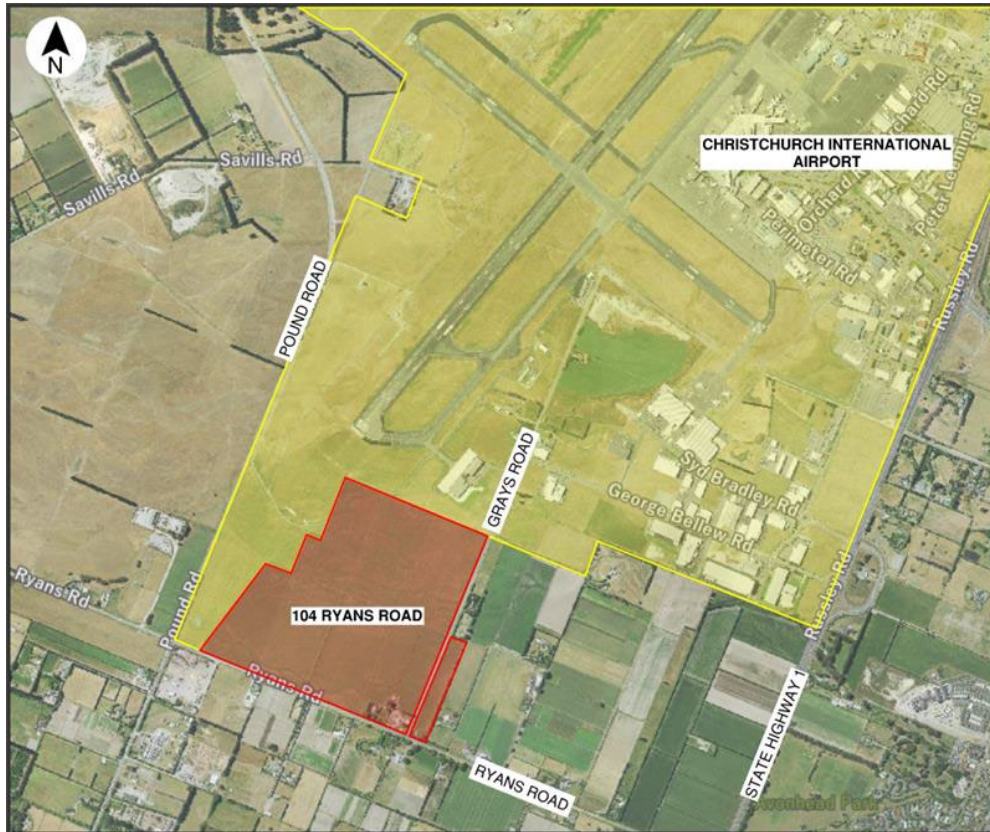
Figure 1: 104 Ryans Road site location (aerial courtesy of 'Canterbury Maps')

2.1   Topography and Soil

2.1.1   Topography and Geotechnical Investigation

The topography of the site is generally flat, sloping from northwest to southeast at an average gradient of 1:200.

A geotechnical assessment of the application site was conducted by Tetra Tech Coffey (9 December 2024) and is attached to the application, which found the following subsurface profile:

∻   0-300 mm Topsoil,

∻   300 – 4000 mm Sand; and

∻   4000 mm – unknown depth, sandy gravel.

Silty lenses were observed within the sand layer, and it is expected that silt content is variable through this layer across the site. A borehole located

immediately next to the northeast corner of the site indicates gravels to extend to at least 15.6 mbgl.

2.1.2   Contamination

Environment Canterbury's (ECan) Listed Land Use Register (LLUR) does not record any registered HAIL activities and the site is therefore not considered to be contaminated.

It is noted that Tetra Coffey completed an environmental investigation given the proposed subdivision development, further information is provided in the Tetra Coffey DSI report which is attached to the application.   The soil sampling at the site indicated that the majority of the site returned results which were considered to be below, at or slightly above background concentrations for the contaminants tested. The only exception to this is the small area surrounding the existing farm buildings. These soils surrounding the existing farm buildings will be remediated prior to or at the beginning of subdivision works and managed via a Remedial Action Plan. Furthermore, a Site Validation Report will be completed once remediation works are undertaken. No proposed soakpits will be located within an area of contamination.

3.0   Operational Stormwater Management

3.1   Proposed System Overview

The operational stormwater management plan proposes to provide treatment, attenuation and disposal to ground of all site run-off. The proposed stormwater system has been developed to isolate clean and contaminated run-off to efficiently manage, treat and dispose run-off to ground. The methods proposed have been chosen to reduce the size of attenuation/ infiltration basins required for this development given proximity to the airport and corresponding risk of bird strike.

The system will operate as follows:

- ∴ All run-off from roofed areas on each lot will be collected and be disposed to ground with no treatment by onsite soak pit(s) sized to accommodate the critical design event (identified to be the 3hr 2% annual exceedance probability (AEP) event).

- ∴ All other stormwater generated on the individual lots from hardstand areas will be directed to an onsite proprietary treatment device for treatment of the "first flush" flow prior to disposal to ground via a soak pit(s) sized to accommodate the critical design event. The first flush flow is the flow generated by up to a 5mm/hr rainfall intensity on the catchment area.

- Run-off generated from road, footpath and berm areas will be collected in sumps and conveyed via a reticulated network for treatment in a first flush infiltration basin/ soak pit system sized to accommodate 2% AEP flows.

3.2 Treatment and Contaminant Loading/ Removal

Operational phase stormwater runoff from the 104 Ryans Road development site is proposed to be collected and treated via the following process:

- The runoff from the roof is expected to be clean, so will flow through downpipes and typically be discharged directly to a dedicated "roof" soak pit for soakage to ground, with no treatment provided.

- The runoff from all other surfaces (hardstand and greenspace) within each lot will be captured by kerbs, channels and sumps and directed to a proprietary treatment device. This device will provide treatment via filtration and adsorption of contaminants. All treated water will then be conveyed to a soak pit for soakage to ground.

   Overflow (any volume greater than the first flush volume) from the device will typically be diverted from the first flush proprietary treatment device via an internal bypass to a dedicated "hardstand" soak pit (separate from the "roof" soak pit) and be disposed of via soakage to ground. Combined soakpits can also be used to discharge runoff from both rooves and hardstand.

- Run-off from contributing hardstand and greenspace areas within the development road reserve, lot driveways, along with Grays/ Ryans Road frontage will be captured by kerb and channel and be directed to one of two stormwater management areas via a reticulated network. It is expected that the contaminant loading of this area will be similar to the hardstand/greenspaces mentioned above. Treatment will be provided by engineered stormwater infiltration basins.

   Run-off exceeding first flush and above primary attenuation will divert to an overflow soak pit for disposal to ground.

The basis of this design approach has been developed to remove potentially significant contaminants (e.g. heavy metals and hydrocarbons) expected to be within the operational-phase stormwater runoff. The basis of design aligns with the Christchurch City Council (CCC) Wetlands, Waterways and Drainage Guide (WWDG) and the New Zealand Building Code Clause E1.

3.2.1 Expected Stormwater Contaminants

The contaminants expected to be found in stormwater runoff from site hardstand and trafficked areas are:

∴ Hydrocarbons leaked from vehicle engines/transmissions and exhaust fumes.

∴ Heavy metals such as zinc (from tyres), copper (from brake linings and tyres), lead (from tyre balance weights), and chromium (from vehicle trim).

∴ Sediment from atmospheric deposition and vehicles.

3.2.1.1   Estimated Metal Concentration

Appendix A details an assessment of the typical contaminant concentrations entrained within stormwater runoff from light industrial subdivisions. Using the values presented in Appendix A, the following estimated total metals concentrations have been assumed present in run-off from site hardstand and road surfaces:

∴ Total Copper   0.015 mg/L

∴ Total Lead   0.037 mg/L

∴ Total Zinc   0.67 mg/L

∴ Total Chromium   0.0023 mg/L

Copper, lead and zinc are the most typical heavy metal contaminants with respect to stormwater quality. Chromium is also often present in stormwater, however in lower concentrations.

3.2.1.2   Estimated Hydrocarbon Concentration

Analysing the data outlined in Appendix A, the expected hydrocarbon concentrations in routine stormwater discharges from the development at 104 Ryans Road site are therefore:

∴ Total petroleum hydrocarbons (TPH): 3.9 mg/L

∴ Polycyclic aromatic hydrocarbons (PAH): 0.002 mg/L

3.2.1.3   Estimated Suspended Sediment Concentration

Most of the total suspended solids (TSS) in post-development stormwater runoff from the site would be expected to be derived from sediment carried by vehicles and atmospheric deposition. The expected concentration of sediment in the runoff from the fully developed site is unknown. TSS concentrations in runoff from various industrial sites have been presented in Appendix A.

The values presented suggest that an assumed maximum TSS concentration of 95 mg/L in stormwater runoff could be expected.

3.2.2   Removal Efficiency

Table 1 presents the estimated removal capability for the proposed first flush detention basin, soakage basin and proprietary stormwater treatment device (e.g., such as a Stormwater360 StormFilter [TM]).

Table 1: Estimated Contaminant Removal Rates for Stormwater Management Devices (% Removal)				
Treatment Device	**TSS**	**Trace Metals**	**PAHs**	**TPH**
First Flush Detention Basin	40 – 80 [1]	20 - 60 [1]	Data not available	Data not available
Soakage Basin	60 – 100 [1]	40-100 [1]	Data not available	Data not available
Proprietary Treatment Device	80 [2]	60-90 [3]	90-100 [3]	90-100 [3]

Notes:
1. *Waterways, Wetlands and Drainage Guideline, 2012, Christchurch City Council*
2. *(Auckland Council Private approval StormFilter Interim Recognition Report Part 1 FINAL.pdf)*
3. *(Is there any benefit for Enhanced Stormwater Treatment from Non-forecourt Discharges, H. Easton, PDP)*
4. *(Polycyclic aromatic hydrocarbons (PAHs) removal by sorption: A review - ScienceDirect)*

It should be noted that the removal efficiencies of stormwater treatment devices vary significantly due to a number of factors including the nature and contaminant concentrations of the stormwater influent entering a device. Typically, the higher the contaminant concentration entering the device, the more likely it is that the device will achieve the published removal efficiencies. Devices receiving stormwater with low to modest levels of stormwater concentrations will typically achieve lower than published contaminant removal rates.

3.3   Individual Lot Stormwater

Noting the site layout provided in Figure 2, the proposed development is formed of different sized lots. To assess operational stormwater treatment and disposal, lots were grouped into three categories (small, medium and large) with sizing undertaken for the largest lot size in each of these categories, refer Figure 2 below. The purpose of the sizing per category is to indicate that sizing of appropriate soakage systems can be achieved for lots in each of the lot categories. Individual soakpit sizing and design for each lot will be undertaken at the time of building consent.
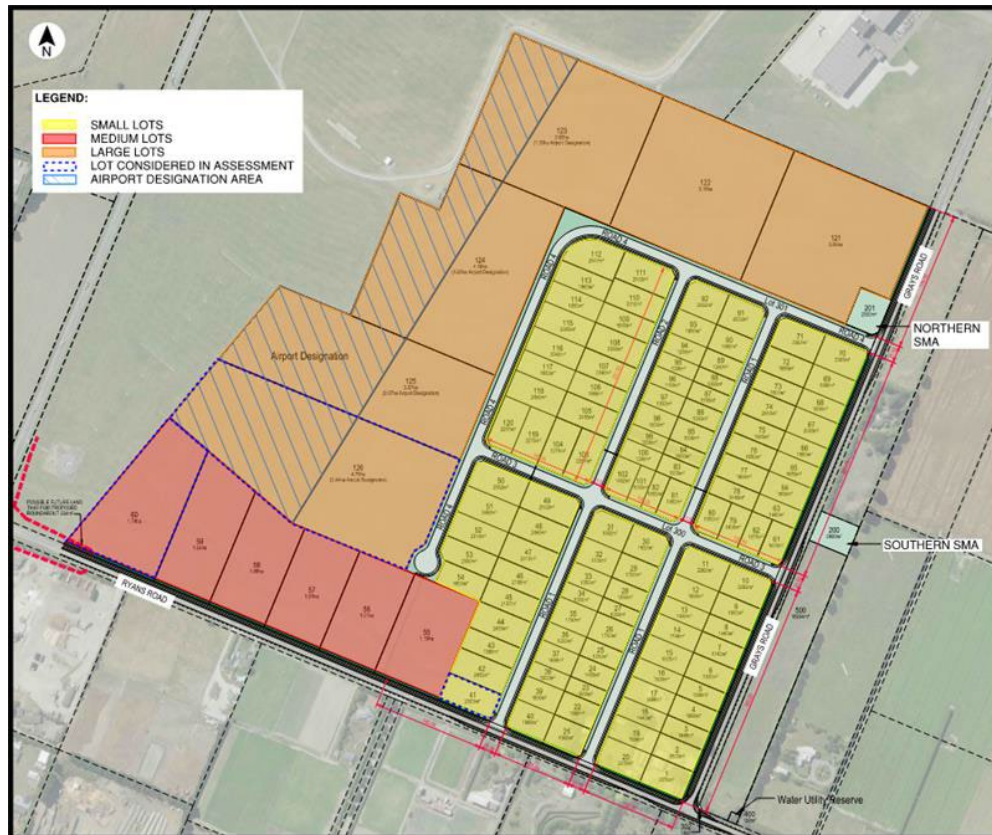
Figure 2: Lot designation for purpose of operational stormwater assessment (background layout plan courtesy of 'Capture Land Development Consultants')

As illustrated in Figure 2, the following maximum lot sizes were found and have been used to size the required operational stormwater infrastructure.

Small Lot: 2,600 m^2

Medium Lot: 17,400 m^2

Large Lot: 47,600 m^2

This method was undertaken as it ensures required treatment and/or disposal sizing is sufficient to manage run-off from all proposed lots within the development. It is noted that four of the large lots are affected by the Airport Designation (refer Figure 2), within this zone there are restrictions on vertical development. Therefore, the largest lot site, used for calculation "large" category below, has assumed slightly different development configurations for the ratio of building area to hardstand and greenspace areas.

3.3.1 Roof Water Disposal

The required infiltration area for roof water disposal to ground has been sized for the three typical lot sizes outlined in Section 3.3 assuming the following parameters and assumptions:

- An in-situ infiltration rate of 600mm/hr (refer Tetra Coffey Geotechnical Investigation). It is noted from the geotechnical report that there was a range of infiltration rates recorded at the site, up to 6000 mm/hr in one test and 125mm/hr in another. It is clear from the test pits results that gravel depth varies across the site and some of the slower infiltration tests were potentially not conducted sufficiently deep into the gravel layers. An infiltration rate of 600 mm/hr is considered a conservative design infiltration rate for the site. However, each soakpit location will require individual testing to confirm final sizing at Building Consent stage. If higher design rates are encountered, then the appropriate soakage areas may be smaller than indicated below.

- Soakpits will be constructed to a minimum of 1 m depth into free draining gravels.

- A void ratio of 0.38 which represents a clean rock filled soak-pit.

- No treatment of run-off prior to disposal as roof water is considered clean.

- Roof area assumed to have 50% coverage of lot sizes for small and medium lot categories. For the large lot category, a roof area coverage of 41% has been assumed.

- A weighted site run-off coefficient assuming 40% hardstand (C = 0.85), 10% green space (C = 0.25) area (excluding roof area contributions).

- The roof water soak pit is sized for a 2% AEP rainfall event following CCC design standards.

- Rainfall data for this event was taken from HIRDS Version 4, for the RCP8.5 scenario, for 2081-2100 for a 180 min duration with an interpolated average rainfall intensity of 22.8 mm/hr.

Using the above parameters, Table 2 identifies the minimum total infiltration area per lot and soak pit operational depth required for the lot sizes identified:

Table 2: Roof Water Soak Pit Sizing		
Lot Category	**Base Area (m²)**	**Soak Pit Operational Depth (m)**
Small	30	3
Medium	204	3
Large	462	3

It is important to note that this sizing is the total minimum required base area for assumed operational depth. For the medium and large lot categories, it is expected numerous soak pits will be developed and positioned strategically throughout each developed lot. Stormwater plans and calculations are included in Appendix B.

3.3.2   Individual Lot Hardstand Treatment and Disposal

It is proposed that all run-off from non-roofed areas within individual lots will be treated and disposed on each particular site. The use of proprietary treatment has been considered for this development to maximise available hardstand and undertake all stormwater management/ disposal below ground.

Characteristics of the proposed stormwater system are outlined by the following:

- ∴ Primary flows to be captured by kerbs, channels and sumps and conveyed to a proprietary treatment device.

- ∴ Treatment of the first flush flow is to be undertaken within the proprietary device (i.e., a Stormwater360 StormFilter™ or equivalent). Flows in excess of the first flush flow will by-pass the treatment device via an internal bypass in the treatment device and, along with the treated stormwater flow, discharge will be disposed to ground via an on-site soak pit(s).

- ∴ Secondary flows, in excess of the stormwater pipe capacity will be directed via kerbs, channels and overland flow towards a scruffy dome entry to the soakpit and disposed to ground via on-site soakage.

Considering the typical lot areas identified in Section 3.3, required infrastructure for onsite treatment and disposal has been designed assuming the following parameters.

- ∴ First flush flow is derived from a rainfall intensity of 5mm/hr.

- ∴ A weighted site run-off coefficient assuming 40% hardstand (C = 0.85), 10% green space (C = 0.25) area (excluding roof area contributions) for small and medium category lots. For large lots, a weighted site run-off coefficient assuming 53% hardstand (C = 0.85), and 5% green space (C = 0.25) area (excluding roof area contributions) has been used.

- ⫶ Primary conveyance system (i.e. pipe network) sized to accommodate flows corresponding to a 60 min 10% AEP RCP8.5 rainfall event.

- ⫶ Secondary flow network (i.e. overland flow paths) and soak pit for disposal to ground sized to accommodate the critical duration 2% AEP rainfall event.

- ⫶ Stormwater360 StormFilter™ proprietary treatment device has been selected for the purpose of this investigation (Cartridge height: 69cm, Media: Perlite). A number of other media filtration devices on the market also provide a comparable level of treatment.

- ⫶ A soakage rate of 600mm/hr (refer Tetra Coffey Geotechnical Report).

- ⫶ Soakpits will be constructed to a minimum of 1 m depth into free draining gravels at a depth of approximately 5 to 6m.

Using the above parameters, Table 3 shows minimum proprietary treatment and soakage dimensions required per lot to manage first flush treatment and run-off up to the 2% AEP rainfall event. Stormwater plans and calculations are included in Appendix B.

Table 3: Proprietary treatment and soak pit sizing for lots				
	First Flush Run-off and WQ Treatment Flows		Minimum Soak Pit Area Per Lot (2% AEP RCP8.5)	
Lot Category	FF Flow (L/s)	StormFilter™ Max Treatment Flow (L/s)	Infiltration Area (m²)	Soak Pit Operational Depth (m)
Small	1.30	1.42	23	3
Medium	8.82	9.94	152	3
Large	30.93	31.24	580	3

Assuming a Stormwater360 StormFilter™ device is used, the number of filtration cartridges needed to service the water quality flow (WQ) for each lot size is as follows.

- ⫶ Small lot: 1 cartridge to provide treatment for WQ of 1.30 L/s.

- ⫶ Medium lot: 7 cartridges to provide treatment for WQ flow of 8.82 L/s.

- ⫶ Large lot: 22 cartridges to provide treatment for WQ flow of 30.93 L/s.

For medium and larger category lot sizes, it is assumed that the required number of filtration cartridges may be split across multiple manhole chambers rather than utilising a single large chamber to house a large number of filtration

cartridges. Furthermore, it is expected numerous appropriately sized soak pits totalling the requirements of Table 3 will be developed and positioned strategically throughout each developed lot.

3.4   Road Reserve Stormwater

The proposed stormwater servicing plan is attached in Appendix B of this Report. Stormwater is to be collected from the road reserve via a network of kerb and channel, sumps and pipework which discharge to two stormwater management areas (SMA's). Figure 3 below shows the proposed catchment areas for each SMA. The two SMA sites are proposed to treat first flush run-off, attenuate and dispose run-off for the catchment areas during the critical design event. Each SMA will include an infiltration basin and overflow soak pit. Indicative locations of the two stormwater management areas are shown in Figure 3 below.
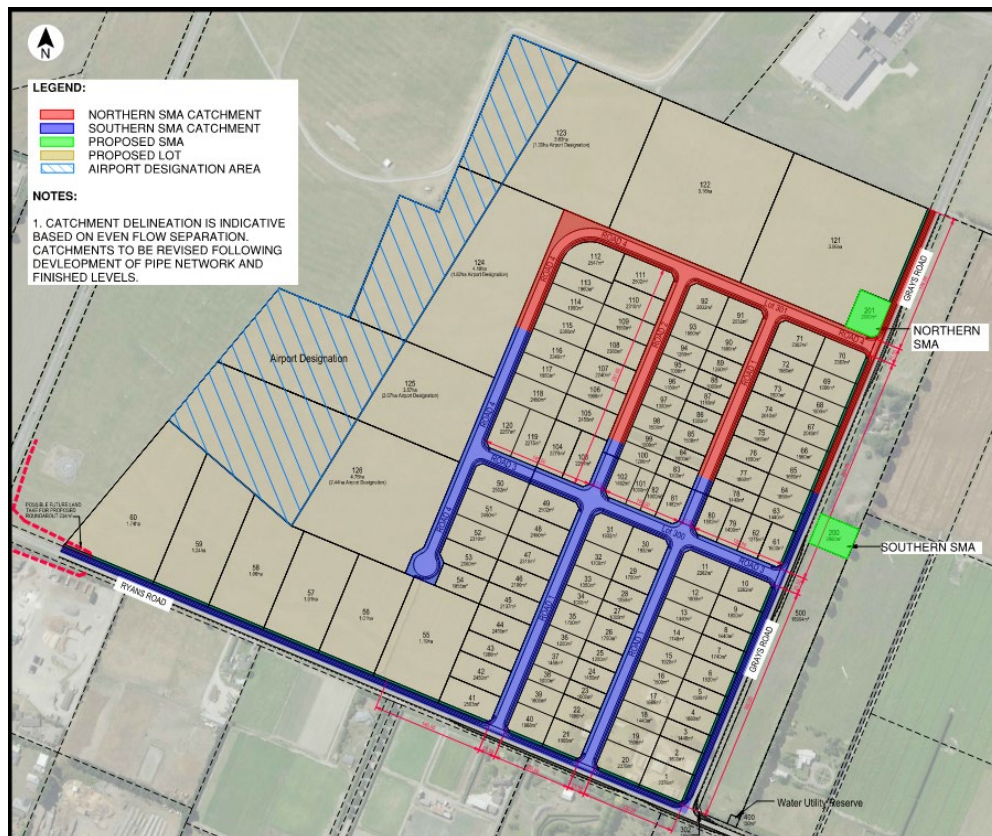
Figure 3: Proposed catchment delineation (background layout and catchment delineation courtesy of 'Capture Land Development Consultants')

Assuming the catchments in Figure 3, sizing of proposed infiltration basins and overflow soak pits have been governed by the following parameters.

⁝ Total contributing catchment area

Northern SMA Catchment: 28,000 m² (red hatch)
Southern SMA Catchment: 45,500 m² (blue hatch)

⁝ First flush rainfall depth of 25 mm

⁝ First flush basin infiltration rate of 75mm/hr CCC WWDG.

⁝ The overflow soak pit and associated detention volume is sized for a 2% AEP rainfall event following CCC design standards.

⁝ Overall basin volumes are sized for minimum storage volume determined from catchment run-off corresponding to 10% AEP, 18-hour storm.

⁝ A soak pit soakage rate of 600mm/hr (refer Tetra Tech Coffey Geotechnical Assessment Report).

⁝ A void ratio of 0.38 which represents a clean rock filled soak-pit.

Refer to Table 4 for indicative infiltration basin and soak pit sizing for both Northern and Southern SMA areas.

Table 4: Infiltration basin and soak pit sizing for critical storm						
	Infiltration Basin				Overflow Soak Pit	
SMA	Top Length (m)	Top Width (m)	Top Area (m²)	Maximum Water Surface Area (m²)	Infiltration Area (m²)	Soak pit Operational Depth (m)
Northern	37	37	1369	1200	125	3
Southern	44	43	1892	1690	190	3

Proposed infiltration basins for both northern and southern SMA areas have been sized in accordance with the requirements of the WWDG. They will mitigate potential water surface area by balancing attenuation storage between the basin and overflow soak pit during the critical 2 % AEP event whilst ensuring that the minimum basin volume provided is at least the equivalent runoff volume from the 10% AEP 18-hour event assuming climate change scenario RCP8.5. Noting the site is located adjacent to Christchurch International Airport, the CCC District Plan Rule 6.7.4.3 P3 for the creation of new stormwater basins in the Bird strike Management Area specifies that;

"*The combined area of all stormwater basins and/or water bodies, that are wholly or partly within 0.5km of the proposed water body or stormwater basin's edge, shall not exceed 1,000m².*"

As shown in Table 4, both basins would exceed the maximum 1000 m^2 and are currently within 0.5km of each other. Therefore, resource consent is required for construction and operation of both basins as currently sized.

4.0   Summary

Stormwater from the proposed industrial development at 104 Ryans Road will need to be managed to ensure adverse effects of the development on flooding are less than minor and that the stormwater discharge quality meet discharge limits. The stormwater management for the site has been designed so that the post-development flows for the site are equivalent to or lower than the pre-development flows up to the 50 -year ARI flood event, including climate change considerations of Scenario RCP 8.5 for 2081-2100.

It is proposed that stormwater runoff within each proposed lot will be managed/ treated and disposed independently on each lot. Run off from roofed areas will be collected by gutters/ downpipes and disposed to ground by onsite soak pit(s). While all other stormwater generated from hardstand and pervious areas will be treated by a proprietary treatment device prior to disposal to ground via onsite soak pit(s) for the critical design event. Required treatment of the first flush volume from contributing lot hardstand has been calculated assuming typical lot sizes and assuming treatment specifications of a Stormwater360 StormFilter™. It is noted equivalent/ alternative proprietary treatment systems are available.

For stormwater within the proposed road reserve area, run-off is to be collected by sumps and conveyed via a reticulated network for treatment/ disposal in a first flush infiltration basin/soak pit system. The development has been divided into two stormwater catchment areas to manage road reserve runoff. As such, two SMA areas containing a first flush infiltration basin/ soak pit systems have been proposed, one servicing the northern catchment and one servicing the southern catchment area. Sizing investigations revealed both infiltration basins would exceed the maximum 1000 m^2 combined water surface area requirements of the Christchurch District Plan. As such, consent is sought for construction and operation of both basins as currently sized and located. A global stormwater discharge consent is also sought as part of this application.

Appendix A: Typical Contaminant Concentrations in Stormwater from Hardstand Surfaces

Typical concentrations of suspended solids and heavy metals for stormwater derived from light industrial land uses have been determined using the Urban Runoff Quality Information System (URQIS), developed by NIWA. URQIS is a resource developed in 2012 that provides stormwater and urban stream quality data to the public by accessing a database of urban runoff quality data collected from all over New Zealand, compiled by NIWA. The database includes data supplied by Councils, Transport Agencies, Research Institutes and Universities across New Zealand

Expected Total Suspended Solids Concentrations

Table 1: Typical Metals Concentrations in Stormwater from Light Industrial Land uses	
Contaminant	**URQIS Light Industrial Land use (median from 1298 samples)[1]**
TSS (mg/L)	20

Notes:
1. NIWA Urban Quality Information System. *https://niwa.co.nz/freshwater/urban-runoff-quality-information-system-urqis*

Expected Metal Contaminant Concentrations

Table 2: Typical Metals Concentrations in Stormwater from Light Industrial Land uses	
Contaminant	**URQIS Light Industrial Land use Median Concentration (no. of samples)[1]**
Copper, dissolved (mg/L)	0.0058 (653 samples)
Copper, total (mg/L)	0.015 (536)
Lead, dissolved (mg/L)	0.00049 (19)
Lead, total (mg/L)	0.0037 (127
Zinc, dissolved (mg/L)	0.42 (421)
Zinc, total (mg/L)	0.67 (528)
Chromium, total (mg/L)	0.0023 (13)

Notes:
1. NIWA Urban Quality Information System. *https://niwa.co.nz/freshwater/urban-runoff-quality-information-system-urqis*

Expected Total Petroleum Hydrocarbon Concentrations

The concentrations of total petroleum hydrocarbon (TPH) in stormwater from two different studies are shown in Table 3. A road runoff sampling programme (Moores et al., 2009) took 29 samples across four sites on state highways in and around Auckland, between 2007-2009. Only eight samples had TPH detected (above the detection limit of 0.7 mg/L). Seven of these were collected at the Westgate site, with TPH values ranging from 0.84 to 3.9 mg/L, and the remaining sample was recorded at Huapai with a TPH concentration of 0.77 mg/L. Westgate had a higher traffic volume per day than Huapai and was the most congested of the four sites. Based on this, and the fact that TPHs from the 104 Ryans Road development site will be coming from heavy vehicles, a conservative TPH value of 3.9 mg/L is assumed.

Table 3: Total Petroleum Hydrocarbon Concentrations in Stormwater		
Contaminant	**Residential Subdivisions (Christchurch, 2005)[1]**	**State Highway 16 at Huapai (Auckland, 2008)[2]**
TPH (mg/L)	< 0.2	3.9

Notes:
1. (Pasco, 2005)
2. (Moores et al., 2009)

Polycyclic Aromatic Hydrocarbons

A study conducted by Kingett Mitchell in 2005 assessed polycyclic aromatic hydrocarbons (PAH) in a variety of locations across Wellington. The highest concentration of PAH identified was 0.002 mg/L from an industrial site. Minimal PAH data exists for Christchurch, but Adams et al. (2007) reported that stormwater from a carpark showed no detectable PAHs. Although PAHs are generally not detected in stormwater samples, a conservative value of 0.002 mg/L will be assumed as this was the highest measured concentration found from an industrial site, which is representative of the 104 Ryans Road site.

Appendix B: Stormwater Plans and Calculations

Roof Soakpits

Small Lot		
Critical Storm Event		
Storm Duration	180	*min*
Average Intensity	22.8	*mm/hr*
Catchment Impervious Area		
Area	1282	m^2
Runoff Coefficient (C)	0.9	*#*
Soakpit - Dimensions		
Depth of Fill	3.0	*m*
Void Ratio	0.38	*#*
Area	30.0	m^2
Volume	34.2	m^3
Soakpit - Infiltration		
Infiltration Rate	0.6	*m/hr*
Discharge Rate	5.0	*L/s*
Discharge Rate	0.30	m^3/min
Soakpit - Capacity Check		
Capacity Available	34.20	m^3
Required Capacity	34.16	m^3

Medium Lot		
Critical Storm Event		
Storm Duration	180	*min*
Average Intensity	22.8	*mm/hr*
Catchment Impervious Area		
Area	8700	m^2
Runoff Coefficient (C)	0.9	*#*
Soakpit - Dimensions		
Depth of Fill	3.0	*m*
Void Ratio	0.38	*#*
Area	203.5	m^2
Volume	232.0	m^3
Soakpit - Infiltration		
Infiltration Rate	0.6	*m/hr*
Discharge Rate	33.9	*L/s*
Discharge Rate	2.04	m^3/min
Soakpit - Capacity Check		
Capacity Available	231.99	m^3
Required Capacity	231.92	m^3

Large Lot		
Critical Storm Event		
Storm Duration	180	*min*
Average Intensity	22.8	*mm/hr*
Catchment Impervious Area		
Area	19720	m^2
Runoff Coefficient (C)	0.9	*#*
Soakpit - Dimensions		
Depth of Fill	3.0	*m*
Void Ratio	0.38	*#*
Area	461.5	m^2
Volume	526.1	m^3
Soakpit - Infiltration		
Infiltration Rate	0.6	*m/hr*
Discharge Rate	76.9	*L/s*
Discharge Rate	4.62	m^3/min
Soakpit - Capacity Check		
Capacity Available	526.11	m^3
Required Capacity	525.41	m^3

Site Run-off Soakpits

Small Lot		
Critical Storm Event		
Storm Duration	180	*min*
Average Intensity	22.8	*mm/hr*
Catchment Impervious Area		
Area	1282	m^2
Runoff Coefficient (C)	0.67	#
Soakpit - Dimensions		
Depth of Fill	3.0	*m*
Void Ratio	0.38	#
Area	22.5	m^2
Volume	25.7	m^3
Soakpit - Infiltration		
Infiltration Rate	0.6	*m/hr*
Discharge Rate	3.8	*L/s*
Discharge Rate	0.23	m^3/min
Soakpit - Capacity Check		
Capacity Available	25.65	m^3
Required Capacity	25.23	m^3

Medium Lot		
Critical Storm Event		
Storm Duration	180	*min*
Average Intensity	22.8	*mm/hr*
Catchment Impervious Area		
Area	8700	m^2
Runoff Coefficient (C)	0.67	#
Soakpit - Dimensions		
Depth of Fill	3.0	*m*
Void Ratio	0.38	#
Area	151.5	m^2
Volume	172.7	m^3
Soakpit - Infiltration		
Infiltration Rate	0.6	*m/hr*
Discharge Rate	25.3	*L/s*
Discharge Rate	1.52	m^3/min
Soakpit - Capacity Check		
Capacity Available	172.71	m^3
Required Capacity	172.64	m^3

Large Lot		
Critical Storm Event		
Storm Duration	180	*min*
Average Intensity	22.8	*mm/hr*
Catchment Impervious Area		
Area	27880	m^2
Runoff Coefficient (C)	0.8	#
Soakpit - Dimensions		
Depth of Fill	3.0	*m*
Void Ratio	0.38	#
Area	580.0	m^2
Volume	661.2	m^3
Soakpit - Infiltration		
Infiltration Rate	0.6	*m/hr*
Discharge Rate	96.7	*L/s*
Discharge Rate	5.80	m^3/min
Soakpit - Capacity Check		
Capacity Available	661.20	m^3
Required Capacity	660.25	m^3

Stormwater Infrastructure Design

Client Name:	Carter Group Limited
Job Name:	104 Ryans Road
Scenario / Description:	Northern SMA: Infiltration Basin and Soak Pit Sizing
Date:	21/01/2025

Job Number:	C052850001
Prepared By:	Cameron Swales and Oliver Saunders
Checked By:	Eoghan O'Neill
Version No.	1

Site Characteristics
Hardstand & Greenspace Areas - Route to FF Basin

Site Area	28060	m^2
Composite First Flush Coefficicent (Cff)	0.64	#

First Flush Basin Size
First Flush Design Event

Rainfall Depth	25	mm
First Flush Runoff Volume (WQV)	452.3	m^3

FF Basin Dimensions

Top Length	37	m
Top Width	37	m
Total Depth	2.5	m
Freeboard Depth	0.3	m
Depth to Overflow	2.2	m
Side Slopes	4	H : V
Total Volume	1905.8	m^3
Basin Volume (total less freeboard)	1521.2	m^3
Available Volume	1068.9	m^3

FF Basin Infiltration

Infiltration Rate	75	mm/hr
Base Infiltration	0.361	m^3/min
Base Area	289	m^2
Drain Time (full use of available WQV)	70.2	hrs

Basin Overflow Soakpit Size

Depth	3	m
Base Area	125	m^2
Void Ratio	0.38	#
Soakpit Volume	142.5	m^3

Basin Soakpit Infiltration

Infiltration Rate	600	mm/hr
Discharge Rate	1.250	m^3/min

Basin Soakpit Design Event

Scenario	Rainfall intensities (mm/hr) :: RCP8.5 for the period 2081-2100										
ARI	50										
	10m	20m	30m	1h	2h	6h	12h	24h	48h	72h	Critical Event
							CRITICAL				
Storm Duration (min):	10	20	30	60	120	360	720	1440	2880	4320	0
Average Intensity (mm/hr):	98.80	66.90	53.70	37.30	25.80	13.80	9.06	5.73	3.51	2.58	13.80
[Output] Peak Basin Volume (m^3):	294.64	396.56	452.27	488.83	690.41	1014.50	1123.72	980.08	483.52	452.27	1123.72
[Output] Misc. Checks Error Log:	None	None	None	None	None	None	None	None	None	None	No Errors Found
								1 day	2 days	3 days	

Summary:
Critical Storm Summary

TOTAL RAINFALL VOLUME	1966.82	m^3
Excess volume peak	671.46	m^3
WQV - spare	397.47	m^3
FF Basin Drain Down Time	51.84	hrs

Inputs Summary

Storm Duration:	720	min
Average Intensity:	9.06	mm/hr
Peak Volume:	1123.72	m³
Desired Accuracy:	2	# of dp's

Date: 21/01/2025
By: Cameron Swales & Oliver Saunders
Reviewed:Eoghan O'Neill

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
0	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
1	0.00	0.00	0.000	0.01	0.01	0.00	0.000	0.000	0.000
2	0.01	0.00	0.000	0.02	0.02	0.00	0.000	0.000	0.000
3	0.01	0.00	0.000	0.03	0.03	0.00	0.000	0.000	0.000
4	0.02	0.00	0.000	0.04	0.04	0.00	0.000	0.000	0.000
5	0.02	0.00	0.000	0.05	0.05	0.00	0.000	0.000	0.000
6	0.02	0.00	0.000	0.07	0.07	0.00	0.000	0.000	0.000
7	0.03	0.00	0.000	0.08	0.08	0.00	0.000	0.000	0.000
8	0.03	0.00	0.000	0.09	0.09	0.00	0.000	0.000	0.000
9	0.04	0.01	0.000	0.10	0.10	0.00	0.000	0.000	0.000
10	0.04	0.01	0.000	0.11	0.11	0.00	0.000	0.000	0.000
11	0.04	0.01	0.000	0.12	0.12	0.00	0.000	0.000	0.000
12	0.05	0.01	0.000	0.13	0.13	0.00	0.000	0.000	0.000
13	0.05	0.01	0.000	0.14	0.14	0.00	0.000	0.000	0.000
14	0.06	0.01	0.000	0.15	0.15	0.00	0.000	0.000	0.000
15	0.06	0.01	0.000	0.16	0.16	0.00	0.000	0.000	0.000
16	0.06	0.01	0.000	0.17	0.17	0.00	0.000	0.000	0.000
17	0.07	0.01	0.000	0.18	0.18	0.00	0.000	0.000	0.000
18	0.07	0.01	0.000	0.20	0.20	0.00	0.000	0.000	0.000
19	0.08	0.01	0.000	0.21	0.21	0.00	0.000	0.000	0.000
20	0.08	0.01	0.000	0.22	0.22	0.00	0.000	0.000	0.000
21	0.08	0.01	0.000	0.23	0.23	0.00	0.000	0.000	0.000
22	0.09	0.01	0.000	0.24	0.24	0.00	0.000	0.000	0.000
23	0.09	0.01	0.000	0.25	0.25	0.00	0.000	0.000	0.000
24	0.10	0.01	0.000	0.26	0.26	0.00	0.000	0.000	0.000
25	0.10	0.01	0.000	0.27	0.27	0.00	0.000	0.000	0.000
26	0.10	0.02	0.000	0.28	0.28	0.00	0.000	0.000	0.000
27	0.11	0.02	0.000	0.29	0.29	0.00	0.000	0.000	0.000
28	0.11	0.02	0.000	0.30	0.30	0.00	0.000	0.000	0.000
29	0.12	0.02	0.000	0.31	0.31	0.00	0.000	0.000	0.000
30	0.12	0.02	0.000	0.33	0.33	0.00	0.000	0.000	0.000
31	0.12	0.02	0.000	0.34	0.34	0.00	0.000	0.000	0.000
32	0.13	0.02	0.000	0.35	0.35	0.00	0.000	0.000	0.000
33	0.13	0.02	0.000	0.36	0.36	0.00	0.000	0.000	0.000
34	0.13	0.02	0.000	0.37	0.36	0.00	0.000	0.000	0.000
35	0.14	0.02	0.007	0.38	0.36	0.00	0.000	0.000	0.000
36	0.14	0.02	0.025	0.39	0.36	0.00	0.000	0.000	0.000
37	0.15	0.02	0.054	0.40	0.36	0.00	0.000	0.000	0.000
38	0.15	0.02	0.094	0.41	0.36	0.00	0.000	0.000	0.000
39	0.15	0.02	0.145	0.42	0.36	0.00	0.000	0.000	0.000
40	0.16	0.02	0.206	0.43	0.36	0.00	0.000	0.000	0.000
41	0.16	0.02	0.279	0.44	0.36	0.00	0.000	0.000	0.000
42	0.17	0.03	0.362	0.46	0.36	0.00	0.000	0.000	0.000
43	0.17	0.03	0.456	0.47	0.36	0.00	0.000	0.000	0.000
44	0.17	0.03	0.561	0.48	0.36	0.00	0.000	0.000	0.000
45	0.18	0.03	0.677	0.49	0.36	0.00	0.000	0.000	0.000
46	0.18	0.03	0.803	0.50	0.36	0.00	0.000	0.000	0.000
47	0.19	0.03	0.941	0.51	0.36	0.00	0.000	0.000	0.000
48	0.19	0.03	1.089	0.52	0.36	0.00	0.000	0.000	0.000
49	0.19	0.03	1.248	0.53	0.36	0.00	0.000	0.000	0.000
50	0.20	0.03	1.418	0.54	0.36	0.00	0.000	0.000	0.000
51	0.20	0.03	1.599	0.55	0.36	0.00	0.000	0.000	0.000
52	0.21	0.03	1.790	0.56	0.36	0.00	0.000	0.000	0.000
53	0.21	0.03	1.993	0.57	0.36	0.00	0.000	0.000	0.000
54	0.21	0.03	2.206	0.59	0.36	0.00	0.000	0.000	0.000
55	0.22	0.03	2.430	0.60	0.36	0.00	0.000	0.000	0.000
56	0.22	0.03	2.665	0.61	0.36	0.00	0.000	0.000	0.000
57	0.23	0.03	2.911	0.62	0.36	0.00	0.000	0.000	0.000
58	0.23	0.03	3.167	0.63	0.36	0.00	0.000	0.000	0.000
59	0.23	0.04	3.435	0.64	0.36	0.00	0.000	0.000	0.000
60	0.24	0.04	3.713	0.65	0.36	0.00	0.000	0.000	0.000
61	0.24	0.04	4.002	0.66	0.36	0.00	0.000	0.000	0.000
62	0.25	0.04	4.302	0.67	0.36	0.00	0.000	0.000	0.000
63	0.25	0.04	4.613	0.68	0.36	0.00	0.000	0.000	0.000
64	0.25	0.04	4.935	0.69	0.36	0.00	0.000	0.000	0.000
65	0.26	0.04	5.267	0.70	0.36	0.00	0.000	0.000	0.000
66	0.26	0.04	5.611	0.72	0.36	0.00	0.000	0.000	0.000
67	0.27	0.04	5.965	0.73	0.36	0.00	0.000	0.000	0.000
68	0.27	0.04	6.330	0.74	0.36	0.00	0.000	0.000	0.000
69	0.27	0.04	6.706	0.75	0.36	0.00	0.000	0.000	0.000
70	0.28	0.04	7.092	0.76	0.36	0.00	0.000	0.000	0.000
71	0.28	0.04	7.490	0.77	0.36	0.00	0.000	0.000	0.000
72	0.29	0.04	7.898	0.78	0.36	0.00	0.000	0.000	0.000
73	0.29	0.04	8.318	0.79	0.36	0.00	0.000	0.000	0.000
74	0.29	0.04	8.748	0.80	0.36	0.00	0.000	0.000	0.000
75	0.30	0.04	9.189	0.81	0.36	0.00	0.000	0.000	0.000
76	0.30	0.05	9.640	0.82	0.36	0.00	0.000	0.000	0.000
77	0.31	0.05	10.103	0.83	0.36	0.00	0.000	0.000	0.000
78	0.31	0.05	10.576	0.85	0.36	0.00	0.000	0.000	0.000
79	0.31	0.05	11.061	0.86	0.36	0.00	0.000	0.000	0.000
80	0.32	0.05	11.556	0.87	0.36	0.00	0.000	0.000	0.000
81	0.32	0.05	12.062	0.88	0.36	0.00	0.000	0.000	0.000
82	0.33	0.05	12.579	0.89	0.36	0.00	0.000	0.000	0.000
83	0.33	0.05	13.106	0.90	0.36	0.00	0.000	0.000	0.000
84	0.33	0.05	13.645	0.91	0.36	0.00	0.000	0.000	0.000
85	0.34	0.05	14.194	0.92	0.36	0.00	0.000	0.000	0.000
86	0.34	0.05	14.754	0.93	0.36	0.00	0.000	0.000	0.000
87	0.35	0.05	15.325	0.94	0.36	0.00	0.000	0.000	0.000
88	0.35	0.05	15.907	0.95	0.36	0.00	0.000	0.000	0.000
89	0.35	0.05	16.500	0.96	0.36	0.00	0.000	0.000	0.000
90	0.36	0.05	17.103	0.98	0.36	0.00	0.000	0.000	0.000
91	0.36	0.05	17.718	0.99	0.36	0.00	0.000	0.000	0.000
92	0.37	0.06	18.343	1.00	0.36	0.00	0.000	0.000	0.000
93	0.37	0.06	18.979	1.01	0.36	0.00	0.000	0.000	0.000
94	0.37	0.06	19.626	1.02	0.36	0.00	0.000	0.000	0.000
95	0.38	0.06	20.283	1.03	0.36	0.00	0.000	0.000	0.000

Set up Design Storm · Routing through FF Basin · Routing through Basin Soakpit

Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
96	0.38	0.06	20.952	1.04	0.36	0.00	0.000	0.000	0.000
97	0.38	0.06	21.631	1.05	0.36	0.00	0.000	0.000	0.000
98	0.39	0.06	22.322	1.06	0.36	0.00	0.000	0.000	0.000
99	0.39	0.06	23.023	1.07	0.36	0.00	0.000	0.000	0.000
100	0.40	0.06	23.735	1.08	0.36	0.00	0.000	0.000	0.000
101	0.40	0.06	24.457	1.09	0.36	0.00	0.000	0.000	0.000
102	0.40	0.06	25.191	1.11	0.36	0.00	0.000	0.000	0.000
103	0.41	0.06	25.935	1.12	0.36	0.00	0.000	0.000	0.000
104	0.41	0.06	26.691	1.13	0.36	0.00	0.000	0.000	0.000
105	0.42	0.06	27.457	1.14	0.36	0.00	0.000	0.000	0.000
106	0.42	0.06	28.234	1.15	0.36	0.00	0.000	0.000	0.000
107	0.42	0.06	29.021	1.16	0.36	0.00	0.000	0.000	0.000
108	0.43	0.06	29.820	1.17	0.36	0.00	0.000	0.000	0.000
109	0.43	0.07	30.630	1.18	0.36	0.00	0.000	0.000	0.000
110	0.44	0.07	31.450	1.19	0.36	0.00	0.000	0.000	0.000
111	0.44	0.07	32.281	1.20	0.36	0.00	0.000	0.000	0.000
112	0.44	0.07	33.123	1.21	0.36	0.00	0.000	0.000	0.000
113	0.45	0.07	33.976	1.22	0.36	0.00	0.000	0.000	0.000
114	0.45	0.07	34.840	1.24	0.36	0.00	0.000	0.000	0.000
115	0.46	0.07	35.714	1.25	0.36	0.00	0.000	0.000	0.000
116	0.46	0.07	36.599	1.26	0.36	0.00	0.000	0.000	0.000
117	0.46	0.07	37.496	1.27	0.36	0.00	0.000	0.000	0.000
118	0.47	0.07	38.403	1.28	0.36	0.00	0.000	0.000	0.000
119	0.47	0.07	39.321	1.29	0.36	0.00	0.000	0.000	0.000
120	0.48	0.07	40.249	1.30	0.36	0.00	0.000	0.000	0.000
121	0.48	0.07	41.189	1.31	0.36	0.00	0.000	0.000	0.000
122	0.48	0.07	42.139	1.32	0.36	0.00	0.000	0.000	0.000
123	0.49	0.07	43.100	1.33	0.36	0.00	0.000	0.000	0.000
124	0.49	0.07	44.073	1.34	0.36	0.00	0.000	0.000	0.000
125	0.50	0.07	45.055	1.36	0.36	0.00	0.000	0.000	0.000
126	0.50	0.08	46.049	1.37	0.36	0.00	0.000	0.000	0.000
127	0.50	0.08	47.054	1.38	0.36	0.00	0.000	0.000	0.000
128	0.51	0.08	48.069	1.39	0.36	0.00	0.000	0.000	0.000
129	0.51	0.08	49.096	1.40	0.36	0.00	0.000	0.000	0.000
130	0.52	0.08	50.133	1.41	0.36	0.00	0.000	0.000	0.000
131	0.52	0.08	51.181	1.42	0.36	0.00	0.000	0.000	0.000
132	0.52	0.08	52.239	1.43	0.36	0.00	0.000	0.000	0.000
133	0.53	0.08	53.309	1.44	0.36	0.00	0.000	0.000	0.000
134	0.53	0.08	54.390	1.45	0.36	0.00	0.000	0.000	0.000
135	0.54	0.08	55.481	1.46	0.36	0.00	0.000	0.000	0.000
136	0.54	0.08	56.583	1.47	0.36	0.00	0.000	0.000	0.000
137	0.54	0.08	57.696	1.49	0.36	0.00	0.000	0.000	0.000
138	0.55	0.08	58.820	1.50	0.36	0.00	0.000	0.000	0.000
139	0.55	0.08	59.955	1.51	0.36	0.00	0.000	0.000	0.000
140	0.56	0.08	61.100	1.52	0.36	0.00	0.000	0.000	0.000
141	0.56	0.08	62.256	1.53	0.36	0.00	0.000	0.000	0.000
142	0.56	0.09	63.424	1.54	0.36	0.00	0.000	0.000	0.000
143	0.57	0.09	64.602	1.55	0.36	0.00	0.000	0.000	0.000
144	0.57	0.09	65.791	1.56	0.36	0.00	0.000	0.000	0.000
145	0.58	0.09	66.990	1.57	0.36	0.00	0.000	0.000	0.000
146	0.58	0.09	68.201	1.58	0.36	0.00	0.000	0.000	0.000
147	0.58	0.09	69.422	1.59	0.36	0.00	0.000	0.000	0.000
148	0.59	0.09	70.654	1.60	0.36	0.00	0.000	0.000	0.000
149	0.59	0.09	71.898	1.62	0.36	0.00	0.000	0.000	0.000
150	0.60	0.09	73.151	1.63	0.36	0.00	0.000	0.000	0.000
151	0.60	0.09	74.416	1.64	0.36	0.00	0.000	0.000	0.000
152	0.60	0.09	75.692	1.65	0.36	0.00	0.000	0.000	0.000
153	0.61	0.09	76.978	1.66	0.36	0.00	0.000	0.000	0.000
154	0.61	0.09	78.275	1.67	0.36	0.00	0.000	0.000	0.000
155	0.62	0.09	79.584	1.68	0.36	0.00	0.000	0.000	0.000
156	0.62	0.09	80.903	1.69	0.36	0.00	0.000	0.000	0.000
157	0.62	0.09	82.232	1.70	0.36	0.00	0.000	0.000	0.000
158	0.63	0.09	83.573	1.71	0.36	0.00	0.000	0.000	0.000
159	0.63	0.10	84.924	1.72	0.36	0.00	0.000	0.000	0.000
160	0.63	0.10	86.287	1.73	0.36	0.00	0.000	0.000	0.000
161	0.64	0.10	87.660	1.75	0.36	0.00	0.000	0.000	0.000
162	0.64	0.10	89.044	1.76	0.36	0.00	0.000	0.000	0.000
163	0.65	0.10	90.439	1.77	0.36	0.00	0.000	0.000	0.000
164	0.65	0.10	91.844	1.78	0.36	0.00	0.000	1121.21	671.46
165	0.65	0.10	93.261	1.79	0.36	0.00	0.000	0.000	0.000
166	0.66	0.10	94.688	1.80	0.36	0.00	0.000	0.000	0.000
167	0.66	0.10	96.127	1.81	0.36	0.00	0.000	0.000	0.000
168	0.67	0.10	97.576	1.82	0.36	0.00	0.000	0.000	0.000
169	0.67	0.10	99.035	1.83	0.36	0.00	0.000	0.000	0.000
170	0.67	0.10	100.506	1.84	0.36	0.00	0.000	0.000	0.000
171	0.68	0.10	101.988	1.85	0.36	0.00	0.000	0.000	0.000
172	0.68	0.10	103.480	1.86	0.36	0.00	0.000	0.000	0.000
173	0.69	0.10	104.983	1.88	0.36	0.00	0.000	0.000	0.000
174	0.69	0.10	106.498	1.89	0.36	0.00	0.000	0.000	0.000
175	0.69	0.10	108.022	1.90	0.36	0.00	0.000	0.000	0.000
176	0.70	0.11	109.558	1.91	0.36	0.00	0.000	0.000	0.000
177	0.70	0.11	111.105	1.92	0.36	0.00	0.000	0.000	0.000
178	0.71	0.11	112.662	1.93	0.36	0.00	0.000	0.000	0.000
179	0.71	0.11	114.231	1.94	0.36	0.00	0.000	0.000	0.000
180	0.71	0.11	115.810	1.95	0.36	0.00	0.000	0.000	0.000
181	0.72	0.11	117.400	1.96	0.36	0.00	0.000	0.000	0.000
182	0.72	0.11	119.000	1.97	0.36	0.00	0.000	0.000	0.000
183	0.73	0.11	120.612	1.98	0.36	0.00	0.000	0.000	0.000
184	0.73	0.11	122.235	1.99	0.36	0.00	0.000	0.000	0.000
185	0.73	0.11	123.868	2.01	0.36	0.00	0.000	0.000	0.000
186	0.74	0.11	125.512	2.02	0.36	0.00	0.000	0.000	0.000
187	0.74	0.11	127.167	2.03	0.36	0.00	0.000	0.000	0.000
188	0.75	0.11	128.833	2.04	0.36	0.00	0.000	0.000	0.000
189	0.75	0.11	130.510	2.05	0.36	0.00	0.000	0.000	0.000
190	0.75	0.11	132.197	2.06	0.36	0.00	0.000	0.000	0.000
191	0.76	0.11	133.895	2.07	0.36	0.00	0.000	0.000	0.000
192	0.76	0.12	135.605	2.08	0.36	0.00	0.000	0.000	0.000
193	0.77	0.12	137.325	2.09	0.36	0.00	0.000	0.000	0.000
194	0.77	0.12	139.056	2.10	0.36	0.00	0.000	0.000	0.000
195	0.77	0.12	140.797	2.11	0.36	0.00	0.000	0.000	0.000
196	0.78	0.12	142.550	2.12	0.36	0.00	0.000	0.000	0.000
197	0.78	0.12	144.313	2.14	0.36	0.00	0.000	0.000	0.000
198	0.79	0.12	146.087	2.15	0.36	0.00	0.000	0.000	0.000

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
199	0.79	0.12	147.873	2.16	0.36	0.00	0.000	0.000	0.000
200	0.79	0.12	149.668	2.17	0.36	0.00	0.000	0.000	0.000
201	0.80	0.12	151.475	2.18	0.36	0.00	0.000	0.000	0.000
202	0.80	0.12	153.293	2.19	0.36	0.00	0.000	0.000	0.000
203	0.81	0.12	155.121	2.20	0.36	0.00	0.000	0.000	0.000
204	0.81	0.12	156.961	2.21	0.36	0.00	0.000	0.000	0.000
205	0.81	0.12	158.811	2.22	0.36	0.00	0.000	0.000	0.000
206	0.82	0.12	160.672	2.23	0.36	0.00	0.000	0.000	0.000
207	0.82	0.12	162.543	2.24	0.36	0.00	0.000	0.000	0.000
208	0.83	0.12	164.426	2.25	0.36	0.00	0.000	0.000	0.000
209	0.83	0.13	166.320	2.27	0.36	0.00	0.000	0.000	0.000
210	0.83	0.13	168.224	2.28	0.36	0.00	0.000	0.000	0.000
211	0.84	0.13	170.139	2.29	0.36	0.00	0.000	0.000	0.000
212	0.84	0.13	172.065	2.30	0.36	0.00	0.000	0.000	0.000
213	0.85	0.13	174.002	2.31	0.36	0.00	0.000	0.000	0.000
214	0.85	0.13	175.950	2.32	0.36	0.00	0.000	0.000	0.000
215	0.85	0.13	177.908	2.33	0.36	0.00	0.000	0.000	0.000
216	0.86	0.13	179.877	2.34	0.36	0.00	0.000	0.000	0.000
217	0.86	0.13	181.858	2.35	0.36	0.00	0.000	0.000	0.000
218	0.87	0.13	183.849	2.36	0.36	0.00	0.000	0.000	0.000
219	0.87	0.13	185.851	2.37	0.36	0.00	0.000	0.000	0.000
220	0.87	0.13	187.863	2.38	0.36	0.00	0.000	0.000	0.000
221	0.88	0.13	189.887	2.40	0.36	0.00	0.000	0.000	0.000
222	0.88	0.13	191.921	2.41	0.36	0.00	0.000	0.000	0.000
223	0.88	0.13	193.967	2.42	0.36	0.00	0.000	0.000	0.000
224	0.89	0.13	196.023	2.43	0.36	0.00	0.000	0.000	0.000
225	0.89	0.13	198.090	2.44	0.36	0.00	0.000	0.000	0.000
226	0.90	0.14	200.167	2.45	0.36	0.00	0.000	0.000	0.000
227	0.90	0.14	202.256	2.46	0.36	0.00	0.000	0.000	0.000
228	0.90	0.14	204.355	2.47	0.36	0.00	0.000	0.000	0.000
229	0.91	0.14	206.466	2.48	0.36	0.00	0.000	0.000	0.000
230	0.91	0.14	208.587	2.49	0.36	0.00	0.000	0.000	0.000
231	0.92	0.14	210.719	2.50	0.36	0.00	0.000	0.000	0.000
232	0.92	0.14	212.862	2.51	0.36	0.00	0.000	0.000	0.000
233	0.92	0.14	215.015	2.53	0.36	0.00	0.000	0.000	0.000
234	0.93	0.14	217.180	2.54	0.36	0.00	0.000	0.000	0.000
235	0.93	0.14	219.355	2.55	0.36	0.00	0.000	0.000	0.000
236	0.94	0.14	221.541	2.56	0.36	0.00	0.000	0.000	0.000
237	0.94	0.14	223.738	2.57	0.36	0.00	0.000	0.000	0.000
238	0.94	0.14	225.946	2.58	0.36	0.00	0.000	0.000	0.000
239	0.95	0.14	228.165	2.59	0.36	0.00	0.000	0.000	0.000
240	0.95	0.14	230.394	2.60	0.36	0.00	0.000	0.000	0.000
241	0.96	0.14	232.635	2.61	0.36	0.00	0.000	0.000	0.000
242	0.96	0.15	234.886	2.62	0.36	0.00	0.000	0.000	0.000
243	0.96	0.15	237.148	2.63	0.36	0.00	0.000	0.000	0.000
244	0.97	0.15	239.421	2.64	0.36	0.00	0.000	0.000	0.000
245	0.97	0.15	241.704	2.66	0.36	0.00	0.000	0.000	0.000
246	0.98	0.15	243.999	2.67	0.36	0.00	0.000	0.000	0.000
247	0.98	0.15	246.304	2.68	0.36	0.00	0.000	0.000	0.000
248	0.98	0.15	248.621	2.69	0.36	0.00	0.000	0.000	0.000
249	0.99	0.15	250.948	2.70	0.36	0.00	0.000	0.000	0.000
250	0.99	0.15	253.286	2.71	0.36	0.00	0.000	0.000	0.000
251	1.00	0.15	255.634	2.72	0.36	0.00	0.000	0.000	0.000
252	1.00	0.15	257.994	2.73	0.36	0.00	0.000	0.000	0.000
253	1.00	0.15	260.364	2.74	0.36	0.00	0.000	0.000	0.000
254	1.01	0.15	262.746	2.75	0.36	0.00	0.000	0.000	0.000
255	1.01	0.15	265.138	2.76	0.36	0.00	0.000	0.000	0.000
256	1.02	0.15	267.541	2.78	0.36	0.00	0.000	0.000	0.000
257	1.02	0.15	269.955	2.79	0.36	0.00	0.000	0.000	0.000
258	1.02	0.15	272.379	2.80	0.36	0.00	0.000	0.000	0.000
259	1.03	0.16	274.815	2.81	0.36	0.00	0.000	0.000	0.000
260	1.03	0.16	277.261	2.82	0.36	0.00	0.000	0.000	0.000
261	1.04	0.16	279.718	2.83	0.36	0.00	0.000	0.000	0.000
262	1.04	0.16	282.186	2.84	0.36	0.00	0.000	0.000	0.000
263	1.04	0.16	284.665	2.85	0.36	0.00	0.000	0.000	0.000
264	1.05	0.16	287.155	2.86	0.36	0.00	0.000	0.000	0.000
265	1.05	0.16	289.655	2.87	0.36	0.00	0.000	0.000	0.000
266	1.06	0.16	292.167	2.88	0.36	0.00	0.000	0.000	0.000
267	1.06	0.16	294.689	2.89	0.36	0.00	0.000	0.000	0.000
268	1.06	0.16	297.222	2.91	0.36	0.00	0.000	0.000	0.000
269	1.07	0.16	299.766	2.92	0.36	0.00	0.000	0.000	0.000
270	1.07	0.16	302.321	2.93	0.36	0.00	0.000	0.000	0.000
271	1.08	0.16	304.886	2.94	0.36	0.00	0.000	0.000	0.000
272	1.08	0.16	307.463	2.95	0.36	0.00	0.000	0.000	0.000
273	1.08	0.16	310.050	2.96	0.36	0.00	0.000	0.000	0.000
274	1.09	0.16	312.648	2.97	0.36	0.00	0.000	0.000	0.000
275	1.09	0.16	315.257	2.98	0.36	0.00	0.000	0.000	0.000
276	1.10	0.17	317.877	2.99	0.36	0.00	0.000	0.000	0.000
277	1.10	0.17	320.507	3.00	0.36	0.00	0.000	0.000	0.000
278	1.10	0.17	323.149	3.01	0.36	0.00	0.000	0.000	0.000
279	1.11	0.17	325.801	3.02	0.36	0.00	0.000	0.000	0.000
280	1.11	0.17	328.464	3.04	0.36	0.00	0.000	0.000	0.000
281	1.12	0.17	331.138	3.05	0.36	0.00	0.000	0.000	0.000
282	1.12	0.17	333.823	3.06	0.36	0.00	0.000	0.000	0.000
283	1.12	0.17	336.518	3.07	0.36	0.00	0.000	0.000	0.000
284	1.13	0.17	339.225	3.08	0.36	0.00	0.000	0.000	0.000
285	1.13	0.17	341.942	3.09	0.36	0.00	0.000	0.000	0.000
286	1.13	0.17	344.670	3.10	0.36	0.00	0.000	0.000	0.000
287	1.14	0.17	347.409	3.11	0.36	0.00	0.000	0.000	0.000
288	1.14	0.17	350.159	3.12	0.36	0.00	0.000	0.000	0.000
289	1.15	0.17	352.920	3.13	0.36	0.00	0.000	0.000	0.000
290	1.15	0.17	355.692	3.14	0.36	0.00	0.000	0.000	0.000
291	1.15	0.17	358.474	3.15	0.36	0.00	0.000	0.000	0.000
292	1.16	0.17	361.267	3.17	0.36	0.00	0.000	0.000	0.000
293	1.16	0.18	364.071	3.18	0.36	0.00	0.000	0.000	0.000
294	1.17	0.18	366.886	3.19	0.36	0.00	0.000	0.000	0.000
295	1.17	0.18	369.712	3.20	0.36	0.00	0.000	0.000	0.000
296	1.17	0.18	372.548	3.21	0.36	0.00	0.000	0.000	0.000
297	1.18	0.18	375.396	3.22	0.36	0.00	0.000	0.000	0.000
298	1.18	0.18	378.254	3.23	0.36	0.00	0.000	0.000	0.000
299	1.19	0.18	381.123	3.24	0.36	0.00	0.000	0.000	0.000
300	1.19	0.18	384.003	3.25	0.36	0.00	0.000	0.000	0.000
301	1.19	0.18	386.894	3.26	0.36	0.00	0.000	0.000	0.000

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
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Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
302	1.20	0.18	389.795	3.27	0.36	0.00	0.000	0.000	0.000
303	1.20	0.18	392.708	3.28	0.36	0.00	0.000	0.000	0.000
304	1.21	0.18	395.631	3.30	0.36	0.00	0.000	0.000	0.000
305	1.21	0.18	398.565	3.31	0.36	0.00	0.000	0.000	0.000
306	1.21	0.18	401.510	3.32	0.36	0.00	0.000	0.000	0.000
307	1.22	0.18	404.466	3.33	0.36	0.00	0.000	0.000	0.000
308	1.22	0.18	407.433	3.34	0.36	0.00	0.000	0.000	0.000
309	1.23	0.19	410.410	3.35	0.36	0.00	0.000	0.000	0.000
310	1.23	0.19	413.399	3.36	0.36	0.00	0.000	0.000	0.000
311	1.23	0.19	416.398	3.37	0.36	0.00	0.000	0.000	0.000
312	1.24	0.19	419.408	3.38	0.36	0.00	0.000	0.000	0.000
313	1.24	0.19	422.429	3.39	0.36	0.00	0.000	0.000	0.000
314	1.25	0.19	425.460	3.40	0.36	0.00	0.000	0.000	0.000
315	1.25	0.19	428.503	3.41	0.36	0.00	0.000	0.000	0.000
316	1.25	0.19	431.556	3.43	0.36	0.00	0.000	0.000	0.000
317	1.26	0.19	434.620	3.44	0.36	0.00	0.000	0.000	0.000
318	1.26	0.19	437.695	3.45	0.36	0.00	0.000	0.000	0.000
319	1.27	0.19	440.781	3.46	0.36	0.00	0.000	0.000	0.000
320	1.27	0.19	443.878	3.47	0.36	0.00	0.000	0.000	0.000
321	1.27	0.19	446.986	3.48	0.36	0.00	0.000	0.000	0.000
322	1.28	0.19	450.104	3.49	0.36	0.97	0.000	0.966	0.000
323	1.28	0.19	452.268	3.50	0.36	3.14	0.000	1.250	0.000
324	1.29	0.19	452.268	3.51	0.36	3.15	1.890	1.250	0.000
325	1.29	0.19	452.268	3.52	0.36	3.16	3.791	1.250	0.000
326	1.29	0.20	452.268	3.53	0.36	3.17	5.703	1.250	0.000
327	1.30	0.20	452.268	3.54	0.36	3.18	7.625	1.250	0.000
328	1.30	0.20	452.268	3.56	0.36	3.19	9.559	1.250	0.000
329	1.31	0.20	452.268	3.57	0.36	3.21	11.503	1.250	0.000
330	1.31	0.20	452.268	3.58	0.36	3.22	13.458	1.250	0.000
331	1.31	0.20	452.268	3.59	0.36	3.23	15.424	1.250	0.000
332	1.32	0.20	452.268	3.60	0.36	3.24	17.401	1.250	0.000
333	1.32	0.20	452.268	3.61	0.36	3.25	19.389	1.250	0.000
334	1.33	0.20	452.268	3.62	0.36	3.26	21.387	1.250	0.000
335	1.33	0.20	452.268	3.63	0.36	3.27	23.397	1.250	0.000
336	1.33	0.20	452.268	3.64	0.36	3.28	25.417	1.250	0.000
337	1.34	0.20	452.268	3.65	0.36	3.29	27.448	1.250	0.000
338	1.34	0.20	452.268	3.66	0.36	3.30	29.490	1.250	0.000
339	1.35	0.20	452.268	3.67	0.36	3.31	31.542	1.250	0.000
340	1.35	0.20	452.268	3.69	0.36	3.32	33.606	1.250	0.000
341	1.35	0.20	452.268	3.70	0.36	3.34	35.680	1.250	0.000
342	1.36	0.20	452.268	3.71	0.36	3.35	37.765	1.250	0.000
343	1.36	0.21	452.268	3.72	0.36	3.36	39.861	1.250	0.000
344	1.37	0.21	452.268	3.73	0.36	3.37	41.968	1.250	0.000
345	1.37	0.21	452.268	3.74	0.36	3.38	44.086	1.250	0.000
346	1.37	0.21	452.268	3.75	0.36	3.39	46.215	1.250	0.000
347	1.38	0.21	452.268	3.76	0.36	3.40	48.354	1.250	0.000
348	1.38	0.21	452.268	3.77	0.36	3.41	50.504	1.250	0.000
349	1.38	0.21	452.268	3.78	0.36	3.42	52.665	1.250	0.000
350	1.39	0.21	452.268	3.79	0.36	3.43	54.837	1.250	0.000
351	1.39	0.21	452.268	3.80	0.36	3.44	57.020	1.250	0.000
352	1.40	0.21	452.268	3.82	0.36	3.45	59.214	1.250	0.000
353	1.40	0.21	452.268	3.83	0.36	3.47	61.418	1.250	0.000
354	1.40	0.21	452.268	3.84	0.36	3.48	63.633	1.250	0.000
355	1.41	0.21	452.268	3.85	0.36	3.49	65.860	1.250	0.000
356	1.41	0.21	452.268	3.86	0.36	3.50	68.097	1.250	0.000
357	1.42	0.21	452.268	3.87	0.36	3.51	70.344	1.250	0.000
358	1.42	0.21	452.268	3.88	0.36	3.52	72.603	1.250	0.000
359	1.42	0.22	452.268	3.89	0.36	3.53	74.872	1.250	0.000
360	1.43	0.22	452.268	3.90	0.36	3.54	77.153	1.250	0.000
361	1.43	0.22	452.268	3.91	0.36	3.55	79.444	1.250	0.000
362	1.44	0.22	452.268	3.92	0.36	3.56	81.746	1.250	0.000
363	1.44	0.22	452.268	3.93	0.36	3.57	84.059	1.250	0.000
364	1.44	0.22	452.268	3.95	0.36	3.58	86.383	1.250	0.000
365	1.45	0.22	452.268	3.96	0.36	3.60	88.717	1.250	0.000
366	1.45	0.22	452.268	3.97	0.36	3.61	91.062	1.250	0.000
367	1.46	0.22	452.268	3.98	0.36	3.62	93.419	1.250	0.000
368	1.46	0.22	452.268	3.99	0.36	3.63	95.786	1.250	0.000
369	1.46	0.22	452.268	4.00	0.36	3.64	98.164	1.250	0.000
370	1.47	0.22	452.268	4.01	0.36	3.65	100.552	1.250	0.000
371	1.47	0.22	452.268	4.02	0.36	3.66	102.952	1.250	0.000
372	1.48	0.22	452.268	4.03	0.36	3.67	105.362	1.250	0.000
373	1.48	0.22	452.268	4.04	0.36	3.68	107.784	1.250	0.000
374	1.48	0.22	452.268	4.05	0.36	3.69	110.216	1.250	0.000
375	1.49	0.22	452.268	4.07	0.36	3.70	112.659	1.250	0.000
376	1.49	0.23	452.268	4.08	0.36	3.71	115.112	1.250	0.000
377	1.50	0.23	452.268	4.09	0.36	3.73	117.577	1.250	0.000
378	1.50	0.23	452.268	4.10	0.36	3.74	120.052	1.250	0.000
379	1.50	0.23	452.268	4.11	0.36	3.75	122.539	1.250	0.000
380	1.51	0.23	452.268	4.12	0.36	3.76	125.036	1.250	0.000
381	1.51	0.23	452.268	4.13	0.36	3.77	127.544	1.250	0.000
382	1.52	0.23	452.268	4.14	0.36	3.78	130.063	1.250	0.000
383	1.52	0.23	452.268	4.15	0.36	3.79	132.592	1.250	0.000
384	1.52	0.23	452.268	4.16	0.36	3.80	135.133	1.250	0.000
385	1.53	0.23	452.268	4.17	0.36	3.81	137.684	1.250	0.000
386	1.53	0.23	452.268	4.18	0.36	3.82	140.246	1.250	0.319
387	1.54	0.23	452.587	4.20	0.36	4.15	142.500	1.250	2.903
388	1.54	0.23	455.171	4.21	0.36	6.75	142.500	1.250	5.498
389	1.54	0.23	457.765	4.22	0.36	9.35	142.500	1.250	8.103
390	1.55	0.23	460.371	4.23	0.36	11.97	142.500	1.250	10.720
391	1.55	0.23	462.987	4.24	0.36	14.60	142.500	1.250	13.347
392	1.56	0.23	465.615	4.25	0.36	17.24	142.500	1.250	15.985
393	1.56	0.24	468.253	4.26	0.36	19.88	142.500	1.250	18.634
394	1.56	0.24	470.901	4.27	0.36	22.54	142.500	1.250	21.294
395	1.57	0.24	473.561	4.28	0.36	25.21	142.500	1.250	23.964
396	1.57	0.24	476.232	4.29	0.36	27.90	142.500	1.250	26.646
397	1.58	0.24	478.913	4.30	0.36	30.59	142.500	1.250	29.338
398	1.58	0.24	481.605	4.31	0.36	33.29	142.500	1.250	32.041
399	1.58	0.24	484.309	4.33	0.36	36.00	142.500	1.250	34.755
400	1.59	0.24	487.022	4.34	0.36	38.73	142.500	1.250	37.480
401	1.59	0.24	489.747	4.35	0.36	41.47	142.500	1.250	40.215
402	1.60	0.24	492.483	4.36	0.36	44.21	142.500	1.250	42.962
403	1.60	0.24	495.229	4.37	0.36	46.97	142.500	1.250	45.719
404	1.60	0.24	497.987	4.38	0.36	49.74	142.500	1.250	48.487

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
405	1.61	0.24	500.755	4.39	0.36	52.52	142.500	1.250	51.266
406	1.61	0.24	503.534	4.40	0.36	55.31	142.500	1.250	54.056
407	1.62	0.24	506.324	4.41	0.36	58.11	142.500	1.250	56.857
408	1.62	0.24	509.124	4.42	0.36	60.92	142.500	1.250	59.668
409	1.62	0.25	511.936	4.43	0.36	63.74	142.500	1.250	62.491
410	1.63	0.25	514.758	4.44	0.36	66.57	142.500	1.250	65.324
411	1.63	0.25	517.591	4.46	0.36	69.42	142.500	1.250	68.168
412	1.63	0.25	520.435	4.47	0.36	72.27	142.500	1.250	71.023
413	1.64	0.25	523.290	4.48	0.36	75.14	142.500	1.250	73.888
414	1.64	0.25	526.156	4.49	0.36	78.01	142.500	1.250	76.765
415	1.65	0.25	529.032	4.50	0.36	80.90	142.500	1.250	79.652
416	1.65	0.25	531.920	4.51	0.36	83.80	142.500	1.250	82.550
417	1.65	0.25	534.818	4.52	0.36	86.71	142.500	1.250	85.459
418	1.66	0.25	537.727	4.53	0.36	89.63	142.500	1.250	88.379
419	1.66	0.25	540.647	4.54	0.36	92.56	142.500	1.250	91.310
420	1.67	0.25	543.578	4.55	0.36	95.50	142.500	1.250	94.252
421	1.67	0.25	546.519	4.56	0.36	98.45	142.500	1.250	97.204
422	1.67	0.25	549.472	4.57	0.36	101.42	142.500	1.250	100.167
423	1.68	0.25	552.435	4.59	0.36	104.39	142.500	1.250	103.141
424	1.68	0.25	555.409	4.60	0.36	107.38	142.500	1.250	106.126
425	1.69	0.25	558.394	4.61	0.36	110.37	142.500	1.250	109.122
426	1.69	0.26	561.390	4.62	0.36	113.38	142.500	1.250	112.129
427	1.69	0.26	564.396	4.63	0.36	116.40	142.500	1.250	115.146
428	1.70	0.26	567.414	4.64	0.36	119.42	142.500	1.250	118.174
429	1.70	0.26	570.442	4.65	0.36	122.46	142.500	1.250	121.214
430	1.71	0.26	573.481	4.66	0.36	125.51	142.500	1.250	124.264
431	1.71	0.26	576.531	4.67	0.36	128.57	142.500	1.250	127.324
432	1.71	0.26	579.592	4.68	0.36	131.65	142.500	1.250	130.396
433	1.72	0.26	582.664	4.69	0.36	134.73	142.500	1.250	133.479
434	1.72	0.26	585.746	4.70	0.36	137.82	142.500	1.250	136.572
435	1.73	0.26	588.839	4.72	0.36	140.93	142.500	1.250	139.676
436	1.73	0.26	591.944	4.73	0.36	144.04	142.500	1.250	142.791
437	1.73	0.26	595.059	4.74	0.36	147.17	142.500	1.250	145.917
438	1.74	0.26	598.184	4.75	0.36	150.30	142.500	1.250	149.054
439	1.74	0.26	601.321	4.76	0.36	153.45	142.500	1.250	152.201
440	1.75	0.26	604.469	4.77	0.36	156.61	142.500	1.250	155.360
441	1.75	0.26	607.627	4.78	0.36	159.78	142.500	1.250	158.529
442	1.75	0.26	610.796	4.79	0.36	162.96	142.500	1.250	161.709
443	1.76	0.27	613.976	4.80	0.36	166.15	142.500	1.250	164.900
444	1.76	0.27	617.167	4.81	0.36	169.35	142.500	1.250	168.101
445	1.77	0.27	620.369	4.82	0.36	172.56	142.500	1.250	171.314
446	1.77	0.27	623.582	4.83	0.36	175.79	142.500	1.250	174.537
447	1.77	0.27	626.805	4.85	0.36	179.02	142.500	1.250	177.772
448	1.78	0.27	630.039	4.86	0.36	182.27	142.500	1.250	181.017
449	1.78	0.27	633.284	4.87	0.36	185.52	142.500	1.250	184.273
450	1.79	0.27	636.540	4.88	0.36	188.79	142.500	1.250	187.540
451	1.79	0.27	639.807	4.89	0.36	192.07	142.500	1.250	190.817
452	1.79	0.27	643.085	4.90	0.36	195.36	142.500	1.250	194.106
453	1.80	0.27	646.373	4.91	0.36	198.65	142.500	1.250	197.405
454	1.80	0.27	649.672	4.92	0.36	201.97	142.500	1.250	200.715
455	1.81	0.27	652.983	4.93	0.36	205.29	142.500	1.250	204.036
456	1.81	0.27	656.304	4.94	0.36	208.62	142.500	1.250	207.368
457	1.81	0.27	659.635	4.95	0.36	211.96	142.500	1.250	210.711
458	1.82	0.27	662.978	4.96	0.36	215.31	142.500	1.250	214.064
459	1.82	0.28	666.332	4.98	0.36	218.68	142.500	1.250	217.428
460	1.83	0.28	669.696	4.99	0.36	222.05	142.500	1.250	220.804
461	1.83	0.28	673.071	5.00	0.36	225.44	142.500	1.250	224.190
462	1.83	0.28	676.457	5.01	0.36	228.84	142.500	1.250	227.586
463	1.84	0.28	679.854	5.02	0.36	232.24	142.500	1.250	230.994
464	1.84	0.28	683.262	5.03	0.36	235.66	142.500	1.250	234.413
465	1.85	0.28	686.680	5.04	0.36	239.09	142.500	1.250	237.842
466	1.85	0.28	690.110	5.05	0.36	242.53	142.500	1.250	241.282
467	1.85	0.28	693.550	5.06	0.36	245.98	142.500	1.250	244.733
468	1.86	0.28	697.001	5.07	0.36	249.45	142.500	1.250	248.195
469	1.86	0.28	700.463	5.08	0.36	252.92	142.500	1.250	251.668
470	1.87	0.28	703.935	5.09	0.36	256.40	142.500	1.250	255.152
471	1.87	0.28	707.419	5.11	0.36	259.90	142.500	1.250	258.646
472	1.87	0.28	710.913	5.12	0.36	263.40	142.500	1.250	262.151
473	1.88	0.28	714.419	5.13	0.36	266.92	142.500	1.250	265.667
474	1.88	0.28	717.935	5.14	0.36	270.44	142.500	1.250	269.194
475	1.88	0.28	721.462	5.15	0.36	273.98	142.500	1.250	272.732
476	1.89	0.29	725.000	5.16	0.36	277.53	142.500	1.250	276.281
477	1.89	0.29	728.548	5.17	0.36	281.09	142.500	1.250	279.840
478	1.90	0.29	732.108	5.18	0.36	284.66	142.500	1.250	283.410
479	1.90	0.29	735.678	5.19	0.36	288.24	142.500	1.250	286.992
480	1.90	0.29	739.259	5.20	0.36	291.83	142.500	1.250	290.584
481	1.91	0.29	742.851	5.21	0.36	295.44	142.500	1.250	294.186
482	1.91	0.29	746.454	5.22	0.36	299.05	142.500	1.250	297.800
483	1.92	0.29	750.068	5.24	0.36	302.67	142.500	1.250	301.425
484	1.92	0.29	753.692	5.25	0.36	306.31	142.500	1.250	305.060
485	1.92	0.29	757.327	5.26	0.36	309.96	142.500	1.250	308.706
486	1.93	0.29	760.974	5.27	0.36	313.61	142.500	1.250	312.363
487	1.93	0.29	764.631	5.28	0.36	317.28	142.500	1.250	316.031
488	1.94	0.29	768.298	5.29	0.36	320.96	142.500	1.250	319.710
489	1.94	0.29	771.977	5.30	0.36	324.65	142.500	1.250	323.399
490	1.94	0.29	775.667	5.31	0.36	328.35	142.500	1.250	327.100
491	1.95	0.29	779.367	5.32	0.36	332.06	142.500	1.250	330.811
492	1.95	0.29	783.078	5.33	0.36	335.78	142.500	1.250	334.533
493	1.96	0.30	786.800	5.34	0.36	339.52	142.500	1.250	338.266
494	1.96	0.30	790.533	5.35	0.36	343.26	142.500	1.250	342.009
495	1.96	0.30	794.277	5.37	0.36	347.01	142.500	1.250	345.764
496	1.97	0.30	798.032	5.38	0.36	350.78	142.500	1.250	349.529
497	1.97	0.30	801.797	5.39	0.36	354.56	142.500	1.250	353.306
498	1.98	0.30	805.573	5.40	0.36	358.34	142.500	1.250	357.093
499	1.98	0.30	809.360	5.41	0.36	362.14	142.500	1.250	360.891
500	1.98	0.30	813.158	5.42	0.36	365.95	142.500	1.250	364.700
501	1.99	0.30	816.967	5.43	0.36	369.77	142.500	1.250	368.519
502	1.99	0.30	820.787	5.44	0.36	373.60	142.500	1.250	372.350
503	2.00	0.30	824.617	5.45	0.36	377.44	142.500	1.250	376.191
504	2.00	0.30	828.458	5.46	0.36	381.29	142.500	1.250	380.043
505	1.99	0.30	832.311	5.44	0.36	385.12	142.500	1.250	383.870
506	1.98	0.30	836.137	5.41	0.36	388.92	142.500	1.250	387.671
507	1.97	0.30	839.939	5.39	0.36	392.70	142.500	1.250	391.448

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
508	1.96	0.30	843.715	5.36	0.36	396.45	142.500	1.250	395.199
509	1.95	0.30	847.466	5.34	0.36	400.17	142.500	1.250	398.924
510	1.94	0.29	851.192	5.31	0.36	403.87	142.500	1.250	402.625
511	1.94	0.29	854.892	5.29	0.36	407.55	142.500	1.250	406.300
512	1.93	0.29	858.567	5.26	0.36	411.20	142.500	1.250	409.950
513	1.92	0.29	862.217	5.24	0.36	414.82	142.500	1.250	413.574
514	1.91	0.29	865.842	5.21	0.36	418.42	142.500	1.250	417.173
515	1.90	0.29	869.441	5.19	0.36	422.00	142.500	1.250	420.747
516	1.89	0.29	873.015	5.16	0.36	425.55	142.500	1.250	424.296
517	1.88	0.28	876.563	5.13	0.36	429.07	142.500	1.250	427.819
518	1.87	0.28	880.087	5.11	0.36	432.57	142.500	1.250	431.317
519	1.86	0.28	883.585	5.08	0.36	436.04	142.500	1.250	434.790
520	1.85	0.28	887.057	5.06	0.36	439.49	142.500	1.250	438.237
521	1.84	0.28	890.505	5.03	0.36	442.91	142.500	1.250	441.660
522	1.83	0.28	893.927	5.01	0.36	446.31	142.500	1.250	445.056
523	1.82	0.28	897.324	4.98	0.36	449.68	142.500	1.250	448.428
524	1.81	0.27	900.695	4.96	0.36	453.02	142.500	1.250	451.774
525	1.81	0.27	904.042	4.93	0.36	456.35	142.500	1.250	455.095
526	1.80	0.27	907.363	4.91	0.36	459.64	142.500	1.250	458.391
527	1.79	0.27	910.658	4.88	0.36	462.91	142.500	1.250	461.661
528	1.78	0.27	913.929	4.86	0.36	466.16	142.500	1.250	464.906
529	1.77	0.27	917.174	4.83	0.36	469.38	142.500	1.250	468.126
530	1.76	0.27	920.394	4.81	0.36	472.57	142.500	1.250	471.321
531	1.75	0.26	923.588	4.78	0.36	475.74	142.500	1.250	474.490
532	1.74	0.26	926.757	4.76	0.36	478.88	142.500	1.250	477.634
533	1.73	0.26	929.901	4.73	0.36	482.00	142.500	1.250	480.753
534	1.72	0.26	933.020	4.70	0.36	485.10	142.500	1.250	483.846
535	1.71	0.26	936.113	4.68	0.36	488.16	142.500	1.250	486.914
536	1.70	0.26	939.181	4.65	0.36	491.21	142.500	1.250	489.957
537	1.69	0.26	942.224	4.63	0.36	494.22	142.500	1.250	492.974
538	1.69	0.25	945.242	4.60	0.36	497.22	142.500	1.250	495.966
539	1.68	0.25	948.234	4.58	0.36	500.18	142.500	1.250	498.933
540	1.67	0.25	951.201	4.55	0.36	503.12	142.500	1.250	501.875
541	1.66	0.25	954.142	4.53	0.36	506.04	142.500	1.250	504.791
542	1.65	0.25	957.058	4.50	0.36	508.93	142.500	1.250	507.682
543	1.64	0.25	959.949	4.48	0.36	511.80	142.500	1.250	510.548
544	1.63	0.25	962.815	4.45	0.36	514.64	142.500	1.250	513.388
545	1.62	0.24	965.656	4.43	0.36	517.45	142.500	1.250	516.203
546	1.61	0.24	968.471	4.40	0.36	520.24	142.500	1.250	518.993
547	1.60	0.24	971.260	4.38	0.36	523.01	142.500	1.250	521.758
548	1.59	0.24	974.025	4.35	0.36	525.75	142.500	1.250	524.497
549	1.58	0.24	976.764	4.33	0.36	528.46	142.500	1.250	527.211
550	1.57	0.24	979.478	4.30	0.36	531.15	142.500	1.250	529.899
551	1.56	0.24	982.167	4.27	0.36	533.81	142.500	1.250	532.563
552	1.56	0.23	984.830	4.25	0.36	536.45	142.500	1.250	535.201
553	1.55	0.23	987.468	4.22	0.36	539.06	142.500	1.250	537.813
554	1.54	0.23	990.081	4.20	0.36	541.65	142.500	1.250	540.401
555	1.53	0.23	992.668	4.17	0.36	544.21	142.500	1.250	542.963
556	1.52	0.23	995.231	4.15	0.36	546.75	142.500	1.250	545.500
557	1.51	0.23	997.768	4.12	0.36	549.26	142.500	1.250	548.012
558	1.50	0.23	1000.279	4.10	0.36	551.75	142.500	1.250	550.498
559	1.49	0.23	1002.765	4.07	0.36	554.21	142.500	1.250	552.959
560	1.48	0.22	1005.226	4.05	0.36	556.64	142.500	1.250	555.395
561	1.47	0.22	1007.662	4.02	0.36	559.06	142.500	1.250	557.805
562	1.46	0.22	1010.073	4.00	0.36	561.44	142.500	1.250	560.190
563	1.45	0.22	1012.458	3.97	0.36	563.80	142.500	1.250	562.550
564	1.44	0.22	1014.817	3.95	0.36	566.13	142.500	1.250	564.884
565	1.44	0.22	1017.152	3.92	0.36	568.44	142.500	1.250	567.194
566	1.43	0.22	1019.461	3.90	0.36	570.73	142.500	1.250	569.478
567	1.42	0.21	1021.745	3.87	0.36	572.99	142.500	1.250	571.736
568	1.41	0.21	1024.004	3.84	0.36	575.22	142.500	1.250	573.970
569	1.40	0.21	1026.237	3.82	0.36	577.43	142.500	1.250	576.178
570	1.39	0.21	1028.445	3.79	0.36	579.61	142.500	1.250	578.361
571	1.38	0.21	1030.628	3.77	0.36	581.77	142.500	1.250	580.518
572	1.37	0.21	1032.785	3.74	0.36	583.90	142.500	1.250	582.650
573	1.36	0.21	1034.918	3.72	0.36	586.01	142.500	1.250	584.757
574	1.35	0.20	1037.025	3.69	0.36	588.09	142.500	1.250	586.839
575	1.34	0.20	1039.106	3.67	0.36	590.14	142.500	1.250	588.895
576	1.33	0.20	1041.162	3.64	0.36	592.18	142.500	1.250	590.926
577	1.32	0.20	1043.193	3.62	0.36	594.18	142.500	1.250	592.932
578	1.31	0.20	1045.199	3.59	0.36	596.16	142.500	1.250	594.912
579	1.31	0.20	1047.180	3.57	0.36	598.12	142.500	1.250	596.867
580	1.30	0.20	1049.135	3.54	0.36	600.05	142.500	1.250	598.797
581	1.29	0.19	1051.065	3.52	0.36	601.95	142.500	1.250	600.702
582	1.28	0.19	1052.969	3.49	0.36	603.83	142.500	1.250	602.581
583	1.27	0.19	1054.848	3.47	0.36	605.68	142.500	1.250	604.435
584	1.26	0.19	1056.702	3.44	0.36	607.51	142.500	1.250	606.264
585	1.25	0.19	1058.531	3.41	0.36	609.32	142.500	1.250	608.067
586	1.24	0.19	1060.334	3.39	0.36	611.09	142.500	1.250	609.845
587	1.23	0.19	1062.112	3.36	0.36	612.85	142.500	1.250	611.598
588	1.22	0.18	1063.865	3.34	0.36	614.58	142.500	1.250	613.325
589	1.21	0.18	1065.593	3.31	0.36	616.28	142.500	1.250	615.027
590	1.20	0.18	1067.295	3.29	0.36	617.95	142.500	1.250	616.704
591	1.19	0.18	1068.972	3.26	0.36	619.61	142.500	1.250	618.356
592	1.19	0.18	1070.623	3.24	0.36	621.23	142.500	1.250	619.982
593	1.18	0.18	1072.250	3.21	0.36	622.83	142.500	1.250	621.583
594	1.17	0.18	1073.851	3.19	0.36	624.41	142.500	1.250	623.159
595	1.16	0.17	1075.426	3.16	0.36	625.96	142.500	1.250	624.709
596	1.15	0.17	1076.977	3.14	0.36	627.48	142.500	1.250	626.235
597	1.14	0.17	1078.502	3.11	0.36	628.98	142.500	1.250	627.734
598	1.13	0.17	1080.002	3.09	0.36	630.46	142.500	1.250	629.209
599	1.12	0.17	1081.476	3.06	0.36	631.91	142.500	1.250	630.658
600	1.11	0.17	1082.926	3.04	0.36	633.33	142.500	1.250	632.082
601	1.10	0.17	1084.350	3.01	0.36	634.73	142.500	1.250	633.481
602	1.09	0.16	1085.748	2.98	0.36	636.10	142.500	1.250	634.854
603	1.08	0.16	1087.122	2.96	0.36	637.45	142.500	1.250	636.202
604	1.07	0.16	1088.470	2.93	0.36	638.78	142.500	1.250	637.525
605	1.06	0.16	1089.793	2.91	0.36	640.07	142.500	1.250	638.823
606	1.06	0.16	1091.090	2.88	0.36	641.34	142.500	1.250	640.095
607	1.05	0.16	1092.362	2.86	0.36	642.59	142.500	1.250	641.342
608	1.04	0.16	1093.609	2.83	0.36	643.81	142.500	1.250	642.563
609	1.03	0.16	1094.831	2.81	0.36	645.01	142.500	1.250	643.760
610	1.02	0.15	1096.027	2.78	0.36	646.18	142.500	1.250	644.931

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
611	1.01	0.15	1097.198	2.76	0.36	647.33	142.500	1.250	646.076
612	1.00	0.15	1098.344	2.73	0.36	648.45	142.500	1.250	647.197
613	0.99	0.15	1099.464	2.71	0.36	649.54	142.500	1.250	648.292
614	0.98	0.15	1100.560	2.68	0.36	650.61	142.500	1.250	649.362
615	0.97	0.15	1101.629	2.66	0.36	651.66	142.500	1.250	650.407
616	0.96	0.15	1102.674	2.63	0.36	652.68	142.500	1.250	651.426
617	0.95	0.14	1103.693	2.61	0.36	653.67	142.500	1.250	652.420
618	0.94	0.14	1104.687	2.58	0.36	654.64	142.500	1.250	653.388
619	0.94	0.14	1105.656	2.55	0.36	655.58	142.500	1.250	654.332
620	0.93	0.14	1106.599	2.53	0.36	656.50	142.500	1.250	655.250
621	0.92	0.14	1107.517	2.50	0.36	657.39	142.500	1.250	656.143
622	0.91	0.14	1108.410	2.48	0.36	658.26	142.500	1.250	657.010
623	0.90	0.14	1109.278	2.45	0.36	659.10	142.500	1.250	657.852
624	0.89	0.13	1110.120	2.43	0.36	659.92	142.500	1.250	658.669
625	0.88	0.13	1110.937	2.40	0.36	660.71	142.500	1.250	659.461
626	0.87	0.13	1111.729	2.38	0.36	661.48	142.500	1.250	660.227
627	0.86	0.13	1112.495	2.35	0.36	662.22	142.500	1.250	660.968
628	0.85	0.13	1113.236	2.33	0.36	662.93	142.500	1.250	661.684
629	0.84	0.13	1113.952	2.30	0.36	663.62	142.500	1.250	662.375
630	0.83	0.13	1114.642	2.28	0.36	664.29	142.500	1.250	663.040
631	0.82	0.12	1115.307	2.25	0.36	664.93	142.500	1.250	663.680
632	0.81	0.12	1115.947	2.23	0.36	665.54	142.500	1.250	664.294
633	0.81	0.12	1116.562	2.20	0.36	666.13	142.500	1.250	664.883
634	0.80	0.12	1117.151	2.18	0.36	666.70	142.500	1.250	665.447
635	0.79	0.12	1117.715	2.15	0.36	667.24	142.500	1.250	665.986
636	0.78	0.12	1118.254	2.12	0.36	667.75	142.500	1.250	666.500
637	0.77	0.12	1118.767	2.10	0.36	668.24	142.500	1.250	666.988
638	0.76	0.11	1119.255	2.07	0.36	668.70	142.500	1.250	667.451
639	0.75	0.11	1119.718	2.05	0.36	669.14	142.500	1.250	667.888
640	0.74	0.11	1120.156	2.02	0.36	669.55	142.500	1.250	668.300
641	0.73	0.11	1120.568	2.00	0.36	669.94	142.500	1.250	668.687
642	0.72	0.11	1120.955	1.97	0.36	670.30	142.500	1.250	669.049
643	0.71	0.11	1121.316	1.95	0.36	670.64	142.500	1.250	669.385
644	0.70	0.11	1121.653	1.92	0.36	670.95	142.500	1.250	669.696
645	0.69	0.10	1121.964	1.90	0.36	671.23	142.500	1.250	669.982
646	0.69	0.10	1122.249	1.87	0.36	671.49	142.500	1.250	670.242
647	0.68	0.10	1122.510	1.85	0.36	671.73	142.500	1.250	670.478
648	0.67	0.10	1122.745	1.82	0.36	671.94	142.500	1.250	670.688
649	0.66	0.10	1122.955	1.80	0.36	672.12	142.500	1.250	670.872
650	0.65	0.10	1123.140	1.77	0.36	672.28	142.500	1.250	671.031
651	0.64	0.10	1123.299	1.75	0.36	672.42	142.500	1.250	671.165
652	0.63	0.10	1123.433	1.72	0.36	672.52	142.500	1.250	671.274
653	0.62	0.09	1123.542	1.69	0.36	672.61	142.500	1.250	671.358
654	0.61	0.09	1123.625	1.67	0.36	672.67	142.500	1.250	671.416
655	0.60	0.09	1123.683	1.64	0.36	672.70	142.500	1.250	671.448
656	0.59	0.09	1123.716	1.62	0.36	672.71	142.500	1.250	671.456
657	0.58	0.09	1123.723	1.59	0.36	672.69	142.500	1.250	671.438
658	0.57	0.09	1123.706	1.57	0.36	672.65	142.500	1.250	671.395
659	0.56	0.09	1123.663	1.54	0.36	672.58	142.500	1.250	671.327
660	0.56	0.08	1123.594	1.52	0.36	672.48	142.500	1.250	671.233
661	0.55	0.08	1123.501	1.49	0.36	672.36	142.500	1.250	671.114
662	0.54	0.08	1123.382	1.47	0.36	672.22	142.500	1.250	670.970
663	0.53	0.08	1123.238	1.44	0.36	672.05	142.500	1.250	670.801
664	0.52	0.08	1123.068	1.42	0.36	671.86	142.500	1.250	670.606
665	0.51	0.08	1122.873	1.39	0.36	671.64	142.500	1.250	670.386
666	0.50	0.08	1122.653	1.37	0.36	671.39	142.500	1.250	670.140
667	0.49	0.07	1122.408	1.34	0.36	671.12	142.500	1.250	669.869
668	0.48	0.07	1122.137	1.32	0.36	670.82	142.500	1.250	669.573
669	0.47	0.07	1121.841	1.29	0.36	670.50	142.500	1.250	669.252
670	0.46	0.07	1121.520	1.26	0.36	670.16	142.500	1.250	668.906
671	0.45	0.07	1121.173	1.24	0.36	669.78	142.500	1.250	668.534
672	0.44	0.07	1120.801	1.21	0.36	669.39	142.500	1.250	668.137
673	0.44	0.07	1120.404	1.19	0.36	668.96	142.500	1.250	667.714
674	0.43	0.06	1119.982	1.16	0.36	668.52	142.500	1.250	667.266
675	0.42	0.06	1119.534	1.14	0.36	668.04	142.500	1.250	666.793
676	0.41	0.06	1119.061	1.11	0.36	667.55	142.500	1.250	666.295
677	0.40	0.06	1118.563	1.09	0.36	667.02	142.500	1.250	665.771
678	0.39	0.06	1118.039	1.06	0.36	666.47	142.500	1.250	665.222
679	0.38	0.06	1117.490	1.04	0.36	665.90	142.500	1.250	664.648
680	0.37	0.06	1116.916	1.01	0.36	665.30	142.500	1.250	664.049
681	0.36	0.05	1116.316	0.99	0.36	664.67	142.500	1.250	663.424
682	0.35	0.05	1115.691	0.96	0.36	664.02	142.500	1.250	662.774
683	0.34	0.05	1115.041	0.94	0.36	663.35	142.500	1.250	662.098
684	0.33	0.05	1114.366	0.91	0.36	662.65	142.500	1.250	661.398
685	0.32	0.05	1113.665	0.89	0.36	661.92	142.500	1.250	660.672
686	0.31	0.05	1112.939	0.86	0.36	661.17	142.500	1.250	659.921
687	0.31	0.05	1112.188	0.83	0.36	660.39	142.500	1.250	659.144
688	0.30	0.04	1111.411	0.81	0.36	659.59	142.500	1.250	658.342
689	0.29	0.04	1110.610	0.78	0.36	658.76	142.500	1.250	657.515
690	0.28	0.04	1109.782	0.76	0.36	657.91	142.500	1.250	656.662
691	0.27	0.04	1108.930	0.73	0.36	657.03	142.500	1.250	655.785
692	0.26	0.04	1108.052	0.71	0.36	656.13	142.500	1.250	654.882
693	0.25	0.04	1107.149	0.68	0.36	655.20	142.500	1.250	653.953
694	0.24	0.04	1106.221	0.66	0.36	654.25	142.500	1.250	653.000
695	0.23	0.03	1105.267	0.63	0.36	653.27	142.500	1.250	652.021
696	0.22	0.03	1104.288	0.61	0.36	652.27	142.500	1.250	651.017
697	0.21	0.03	1103.284	0.58	0.36	651.24	142.500	1.250	649.987
698	0.20	0.03	1102.255	0.56	0.36	650.18	142.500	1.250	648.932
699	0.19	0.03	1101.200	0.53	0.36	649.10	142.500	1.250	647.852
700	0.19	0.03	1100.120	0.51	0.36	648.00	142.500	1.250	646.747
701	0.18	0.03	1099.014	0.48	0.36	646.87	142.500	1.250	645.616
702	0.17	0.03	1097.884	0.46	0.36	645.71	142.500	1.250	644.460
703	0.16	0.02	1096.728	0.43	0.36	644.53	142.500	1.250	643.279
704	0.15	0.02	1095.546	0.40	0.36	643.32	142.500	1.250	642.072
705	0.14	0.02	1094.340	0.38	0.36	642.09	142.500	1.250	640.841
706	0.13	0.02	1093.108	0.35	0.36	640.83	142.500	1.250	639.583
707	0.12	0.02	1091.851	0.33	0.36	639.55	142.500	1.250	638.301
708	0.11	0.02	1090.569	0.30	0.36	638.24	142.500	1.250	636.993
709	0.10	0.02	1089.261	0.28	0.36	636.91	142.500	1.250	635.660
710	0.09	0.01	1087.928	0.25	0.36	635.55	142.500	1.250	634.302
711	0.08	0.01	1086.569	0.23	0.36	634.17	142.500	1.250	632.918
712	0.07	0.01	1085.186	0.20	0.36	632.76	142.500	1.250	631.509
713	0.06	0.01	1083.777	0.18	0.36	631.33	142.500	1.250	630.075

Set up Design Storm   Routing through FF Basin   Routing through Basin Soakpit

			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
714	0.06	0.01	1082.343	0.15	0.36	629.87	142.500	1.250	628.616
715	0.05	0.01	1080.883	0.13	0.36	628.38	142.500	1.250	627.131
716	0.04	0.01	1079.398	0.10	0.36	626.87	142.500	1.250	625.621
717	0.03	0.00	1077.888	0.08	0.36	625.34	142.500	1.250	624.086
718	0.02	0.00	1076.353	0.05	0.36	623.77	142.500	1.250	622.525
719	0.01	0.00	1074.792	0.03	0.36	622.19	142.500	1.250	620.939
720	0.00	0.00	1073.206	0.00	0.36	620.58	142.500	1.250	619.328
721	0.00	0.00	1071.595	0.00	0.36	618.97	142.500	1.250	617.716
722	0.00	0.00	1069.984	0.00	0.36	617.36	142.500	1.250	616.105
723	0.00	0.00	1068.373	0.00	0.36	615.74	142.500	1.250	614.494
724	0.00	0.00	1066.761	0.00	0.36	614.13	142.500	1.250	612.883
725	0.00	0.00	1065.150	0.00	0.36	612.52	142.500	1.250	611.271
726	0.00	0.00	1063.539	0.00	0.36	610.91	142.500	1.250	609.660
727	0.00	0.00	1061.928	0.00	0.36	609.30	142.500	1.250	608.049
728	0.00	0.00	1060.316	0.00	0.36	607.69	142.500	1.250	606.438
729	0.00	0.00	1058.705	0.00	0.36	606.08	142.500	1.250	604.826
730	0.00	0.00	1057.094	0.00	0.36	604.47	142.500	1.250	603.215
731	0.00	0.00	1055.483	0.00	0.36	602.85	142.500	1.250	601.604
732	0.00	0.00	1053.871	0.00	0.36	601.24	142.500	1.250	599.993
733	0.00	0.00	1052.260	0.00	0.36	599.63	142.500	1.250	598.381
734	0.00	0.00	1050.649	0.00	0.36	598.02	142.500	1.250	596.770
735	0.00	0.00	1049.038	0.00	0.36	596.41	142.500	1.250	595.159
736	0.00	0.00	1047.426	0.00	0.36	594.80	142.500	1.250	593.548
737	0.00	0.00	1045.815	0.00	0.36	593.19	142.500	1.250	591.936
738	0.00	0.00	1044.204	0.00	0.36	591.58	142.500	1.250	590.325
739	0.00	0.00	1042.593	0.00	0.36	589.96	142.500	1.250	588.714
740	0.00	0.00	1040.981	0.00	0.36	588.35	142.500	1.250	587.103
741	0.00	0.00	1039.370	0.00	0.36	586.74	142.500	1.250	585.491
742	0.00	0.00	1037.759	0.00	0.36	585.13	142.500	1.250	583.880
743	0.00	0.00	1036.148	0.00	0.36	583.52	142.500	1.250	582.269
744	0.00	0.00	1034.536	0.00	0.36	581.91	142.500	1.250	580.658
745	0.00	0.00	1032.925	0.00	0.36	580.30	142.500	1.250	579.046
746	0.00	0.00	1031.314	0.00	0.36	578.69	142.500	1.250	577.435
747	0.00	0.00	1029.703	0.00	0.36	577.07	142.500	1.250	575.824
748	0.00	0.00	1028.091	0.00	0.36	575.46	142.500	1.250	574.213
749	0.00	0.00	1026.480	0.00	0.36	573.85	142.500	1.250	572.601
750	0.00	0.00	1024.869	0.00	0.36	572.24	142.500	1.250	570.990
751	0.00	0.00	1023.258	0.00	0.36	570.63	142.500	1.250	569.379
752	0.00	0.00	1021.646	0.00	0.36	569.02	142.500	1.250	567.768
753	0.00	0.00	1020.035	0.00	0.36	567.41	142.500	1.250	566.156
754	0.00	0.00	1018.424	0.00	0.36	565.80	142.500	1.250	564.545
755	0.00	0.00	1016.813	0.00	0.36	564.18	142.500	1.250	562.934
756	0.00	0.00	1015.201	0.00	0.36	562.57	142.500	1.250	561.323
757	0.00	0.00	1013.590	0.00	0.36	560.96	142.500	1.250	559.711
758	0.00	0.00	1011.979	0.00	0.36	559.35	142.500	1.250	558.100
759	0.00	0.00	1010.368	0.00	0.36	557.74	142.500	1.250	556.489
760	0.00	0.00	1008.756	0.00	0.36	556.13	142.500	1.250	554.878
761	0.00	0.00	1007.145	0.00	0.36	554.52	142.500	1.250	553.266
762	0.00	0.00	1005.534	0.00	0.36	552.91	142.500	1.250	551.655
763	0.00	0.00	1003.923	0.00	0.36	551.29	142.500	1.250	550.044
764	0.00	0.00	1002.311	0.00	0.36	549.68	142.500	1.250	548.433
765	0.00	0.00	1000.700	0.00	0.36	548.07	142.500	1.250	546.821
766	0.00	0.00	999.089	0.00	0.36	546.46	142.500	1.250	545.210
767	0.00	0.00	997.478	0.00	0.36	544.85	142.500	1.250	543.599
768	0.00	0.00	995.866	0.00	0.36	543.24	142.500	1.250	541.988
769	0.00	0.00	994.255	0.00	0.36	541.63	142.500	1.250	540.376
770	0.00	0.00	992.644	0.00	0.36	540.02	142.500	1.250	538.765
771	0.00	0.00	991.033	0.00	0.36	538.40	142.500	1.250	537.154
772	0.00	0.00	989.421	0.00	0.36	536.79	142.500	1.250	535.543
773	0.00	0.00	987.810	0.00	0.36	535.18	142.500	1.250	533.931
774	0.00	0.00	986.199	0.00	0.36	533.57	142.500	1.250	532.320
775	0.00	0.00	984.588	0.00	0.36	531.96	142.500	1.250	530.709
776	0.00	0.00	982.976	0.00	0.36	530.35	142.500	1.250	529.098
777	0.00	0.00	981.365	0.00	0.36	528.74	142.500	1.250	527.486
778	0.00	0.00	979.754	0.00	0.36	527.13	142.500	1.250	525.875
779	0.00	0.00	978.143	0.00	0.36	525.51	142.500	1.250	524.264
780	0.00	0.00	976.531	0.00	0.36	523.90	142.500	1.250	522.653
781	0.00	0.00	974.920	0.00	0.36	522.29	142.500	1.250	521.041
782	0.00	0.00	973.309	0.00	0.36	520.68	142.500	1.250	519.430
783	0.00	0.00	971.698	0.00	0.36	519.07	142.500	1.250	517.819
784	0.00	0.00	970.086	0.00	0.36	517.46	142.500	1.250	516.208
785	0.00	0.00	968.475	0.10	0.36	515.85	142.500	1.250	514.596
786	0.00	0.00	966.864	0.00	0.36	514.24	142.500	1.250	512.985
787	0.00	0.00	965.253	0.00	0.36	512.62	142.500	1.250	511.374
788	0.00	0.00	963.641	0.00	0.36	511.01	142.500	1.250	509.763
789	0.00	0.00	962.030	0.00	0.36	509.40	142.500	1.250	508.151
790	0.00	0.00	960.419	0.00	0.36	507.79	142.500	1.250	506.540
791	0.00	0.00	958.808	0.00	0.36	506.18	142.500	1.250	504.929
792	0.00	0.00	957.196	0.00	0.36	504.57	142.500	1.250	503.318
793	0.00	0.00	955.585	0.00	0.36	502.96	142.500	1.250	501.706
794	0.00	0.00	953.974	0.00	0.36	501.35	142.500	1.250	500.095
795	0.00	0.00	952.363	0.00	0.36	499.73	142.500	1.250	498.484
796	0.00	0.00	950.751	0.00	0.36	498.12	142.500	1.250	496.873
797	0.00	0.00	949.140	0.00	0.36	496.51	142.500	1.250	495.261
798	0.00	0.00	947.529	0.00	0.36	494.90	142.500	1.250	493.650
799	0.00	0.00	945.918	0.00	0.36	493.29	142.500	1.250	492.039
800	0.00	0.00	944.306	0.00	0.36	491.68	142.500	1.250	490.428
801	0.00	0.00	942.695	0.00	0.36	490.07	142.500	1.250	488.816
802	0.00	0.00	941.084	0.00	0.36	488.46	142.500	1.250	487.205
803	0.00	0.00	939.473	0.00	0.36	486.84	142.500	1.250	485.594
804	0.00	0.00	937.861	0.00	0.36	485.23	142.500	1.250	483.983
805	0.00	0.00	936.250	0.00	0.36	483.62	142.500	1.250	482.371
806	0.00	0.00	934.639	0.00	0.36	482.01	142.500	1.250	480.760
807	0.00	0.00	933.028	0.00	0.36	480.40	142.500	1.250	479.149
808	0.00	0.00	931.416	0.00	0.36	478.79	142.500	1.250	477.538
809	0.00	0.00	929.805	0.00	0.36	477.18	142.500	1.250	475.926
810	0.00	0.00	928.194	0.00	0.36	475.57	142.500	1.250	474.315
811	0.00	0.00	926.583	0.00	0.36	473.95	142.500	1.250	472.704
812	0.00	0.00	924.971	0.00	0.36	472.34	142.500	1.250	471.093
813	0.00	0.00	923.360	0.00	0.36	470.73	142.500	1.250	469.481
814	0.00	0.00	921.749	0.00	0.36	469.12	142.500	1.250	467.870
815	0.00	0.00	920.138	0.00	0.36	467.51	142.500	1.250	466.259
816	0.00	0.00	918.526	0.00	0.36	465.90	142.500	1.250	464.648

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
817	0.00	0.00	916.915	0.00	0.36	464.29	142.500	1.250	463.036
818	0.00	0.00	915.304	0.00	0.36	462.68	142.500	1.250	461.425
819	0.00	0.00	913.693	0.00	0.36	461.06	142.500	1.250	459.814
820	0.00	0.00	912.081	0.00	0.36	459.45	142.500	1.250	458.203
821	0.00	0.00	910.470	0.00	0.36	457.84	142.500	1.250	456.591
822	0.00	0.00	908.859	0.00	0.36	456.23	142.500	1.250	454.980
823	0.00	0.00	907.248	0.00	0.36	454.62	142.500	1.250	453.369
824	0.00	0.00	905.636	0.00	0.36	453.01	142.500	1.250	451.758
825	0.00	0.00	904.025	0.00	0.36	451.40	142.500	1.250	450.146
826	0.00	0.00	902.414	0.00	0.36	449.79	142.500	1.250	448.535
827	0.00	0.00	900.803	0.00	0.36	448.17	142.500	1.250	446.924
828	0.00	0.00	899.191	0.00	0.36	446.56	142.500	1.250	445.313
829	0.00	0.00	897.580	0.00	0.36	444.95	142.500	1.250	443.701
830	0.00	0.00	895.969	0.00	0.36	443.34	142.500	1.250	442.090
831	0.00	0.00	894.358	0.00	0.36	441.73	142.500	1.250	440.479
832	0.00	0.00	892.746	0.00	0.36	440.12	142.500	1.250	438.868
833	0.00	0.00	891.135	0.00	0.36	438.51	142.500	1.250	437.256
834	0.00	0.00	889.524	0.00	0.36	436.90	142.500	1.250	435.645
835	0.00	0.00	887.913	0.00	0.36	435.28	142.500	1.250	434.034
836	0.00	0.00	886.301	0.00	0.36	433.67	142.500	1.250	432.423
837	0.00	0.00	884.690	0.00	0.36	432.06	142.500	1.250	430.811
838	0.00	0.00	883.079	0.00	0.36	430.45	142.500	1.250	429.200
839	0.00	0.00	881.468	0.00	0.36	428.84	142.500	1.250	427.589
840	0.00	0.00	879.856	0.00	0.36	427.23	142.500	1.250	425.978
841	0.00	0.00	878.245	0.00	0.36	425.62	142.500	1.250	424.366
842	0.00	0.00	876.634	0.00	0.36	424.01	142.500	1.250	422.755
843	0.00	0.00	875.023	0.00	0.36	422.39	142.500	1.250	421.144
844	0.00	0.00	873.411	0.00	0.36	420.78	142.500	1.250	419.533
845	0.00	0.00	871.800	0.00	0.36	419.17	142.500	1.250	417.921
846	0.00	0.00	870.189	0.00	0.36	417.56	142.500	1.250	416.310
847	0.00	0.00	868.578	0.00	0.36	415.95	142.500	1.250	414.699
848	0.00	0.00	866.966	0.00	0.36	414.34	142.500	1.250	413.088
849	0.00	0.00	865.355	0.00	0.36	412.73	142.500	1.250	411.476
850	0.00	0.00	863.744	0.00	0.36	411.12	142.500	1.250	409.865
851	0.00	0.00	862.133	0.00	0.36	409.50	142.500	1.250	408.254
852	0.00	0.00	860.521	0.00	0.36	407.89	142.500	1.250	406.643
853	0.00	0.00	858.910	0.00	0.36	406.28	142.500	1.250	405.031
854	0.00	0.00	857.299	0.00	0.36	404.67	142.500	1.250	403.420
855	0.00	0.00	855.688	0.00	0.36	403.06	142.500	1.250	401.809
856	0.00	0.00	854.076	0.00	0.36	401.45	142.500	1.250	400.198
857	0.00	0.00	852.465	0.00	0.36	399.84	142.500	1.250	398.586
858	0.00	0.00	850.854	0.00	0.36	398.23	142.500	1.250	396.975
859	0.00	0.00	849.243	0.00	0.36	396.61	142.500	1.250	395.364
860	0.00	0.00	847.631	0.00	0.36	395.00	142.500	1.250	393.753
861	0.00	0.00	846.020	0.00	0.36	393.39	142.500	1.250	392.141
862	0.00	0.00	844.409	0.00	0.36	391.78	142.500	1.250	390.530
863	0.00	0.00	842.798	0.00	0.36	390.17	142.500	1.250	388.919
864	0.00	0.00	841.186	0.00	0.36	388.56	142.500	1.250	387.308
865	0.00	0.00	839.575	0.00	0.36	386.95	142.500	1.250	385.696
866	0.00	0.00	837.964	0.00	0.36	385.34	142.500	1.250	384.085
867	0.00	0.00	836.353	0.00	0.36	383.72	142.500	1.250	382.474
868	0.00	0.00	834.741	0.00	0.36	382.11	142.500	1.250	380.863
869	0.00	0.00	833.130	0.00	0.36	380.50	142.500	1.250	379.251
870	0.00	0.00	831.519	0.00	0.36	378.89	142.500	1.250	377.640
871	0.00	0.00	829.908	0.00	0.36	377.28	142.500	1.250	376.029
872	0.00	0.00	828.296	0.00	0.36	375.67	142.500	1.250	374.418
873	0.00	0.00	826.685	0.00	0.36	374.06	142.500	1.250	372.806
874	0.00	0.00	825.074	0.00	0.36	372.45	142.500	1.250	371.195
875	0.00	0.00	823.463	0.00	0.36	370.83	142.500	1.250	369.584
876	0.00	0.00	821.851	0.00	0.36	369.22	142.500	1.250	367.973
877	0.00	0.00	820.240	0.00	0.36	367.61	142.500	1.250	366.361
878	0.00	0.00	818.629	0.00	0.36	366.00	142.500	1.250	364.750
879	0.00	0.00	817.018	0.00	0.36	364.39	142.500	1.250	363.139
880	0.00	0.00	815.406	0.00	0.36	362.78	142.500	1.250	361.528
881	0.00	0.00	813.795	0.00	0.36	361.17	142.500	1.250	359.916
882	0.00	0.00	812.184	0.00	0.36	359.56	142.500	1.250	358.305
883	0.00	0.00	810.573	0.00	0.36	357.94	142.500	1.250	356.694
884	0.00	0.00	808.961	0.00	0.36	356.33	142.500	1.250	355.083
885	2.00	0.00	807.350	0.00	0.36	354.72	142.500	1.250	353.471
886	0.00	0.00	805.739	0.00	0.36	353.11	142.500	1.250	351.860
887	0.00	0.00	804.128	0.00	0.36	351.50	142.500	1.250	350.249
888	0.00	0.00	802.516	0.00	0.36	349.89	142.500	1.250	348.638
889	0.00	0.00	800.905	0.00	0.36	348.28	142.500	1.250	347.026
890	0.00	0.00	799.294	0.00	0.36	346.67	142.500	1.250	345.415
891	0.00	0.00	797.683	0.00	0.36	345.05	142.500	1.250	343.804
892	0.00	0.00	796.071	0.00	0.36	343.44	142.500	1.250	342.193
893	0.00	0.00	794.460	0.00	0.36	341.83	142.500	1.250	340.581
894	0.00	0.00	792.849	0.00	0.36	340.22	142.500	1.250	338.970
895	0.00	0.00	791.238	0.00	0.36	338.61	142.500	1.250	337.359
896	0.00	0.00	789.626	0.00	0.36	337.00	142.500	1.250	335.748
897	0.00	0.00	788.015	0.00	0.36	335.39	142.500	1.250	334.136
898	0.00	0.00	786.404	0.00	0.36	333.78	142.500	1.250	332.525
899	0.00	0.00	784.793	0.00	0.36	332.16	142.500	1.250	330.914
900	0.00	0.00	783.181	0.00	0.36	330.55	142.500	1.250	329.303
901	0.00	0.00	781.570	0.00	0.36	328.94	142.500	1.250	327.691
902	0.00	0.00	779.959	0.00	0.36	327.33	142.500	1.250	326.080
903	0.00	0.00	778.348	0.00	0.36	325.72	142.500	1.250	324.469
904	0.00	0.00	776.736	0.00	0.36	324.11	142.500	1.250	322.858
905	0.00	0.00	775.125	0.00	0.36	322.50	142.500	1.250	321.246
906	0.00	0.00	773.514	0.00	0.36	320.89	142.500	1.250	319.635
907	0.00	0.00	771.903	0.00	0.36	319.27	142.500	1.250	318.024
908	0.00	0.00	770.291	0.00	0.36	317.66	142.500	1.250	316.413
909	0.00	0.00	768.680	0.00	0.36	316.05	142.500	1.250	314.801
910	0.00	0.00	767.069	0.00	0.36	314.44	142.500	1.250	313.190
911	0.00	0.00	765.458	0.00	0.36	312.83	142.500	1.250	311.579
912	0.00	0.00	763.846	0.00	0.36	311.22	142.500	1.250	309.968
913	0.00	0.00	762.235	0.00	0.36	309.61	142.500	1.250	308.356
914	0.00	0.00	760.624	0.00	0.36	308.00	142.500	1.250	306.745
915	0.00	0.00	759.013	0.00	0.36	306.38	142.500	1.250	305.134
916	0.00	0.00	757.401	0.00	0.36	304.77	142.500	1.250	303.523
917	0.00	0.00	755.790	0.00	0.36	303.16	142.500	1.250	301.911
918	0.00	0.00	754.179	0.00	0.36	301.55	142.500	1.250	300.300
919	0.00	0.00	752.568	0.00	0.36	299.94	142.500	1.250	298.689

	Set up Design Storm			Routing through FF Basin					Routing through Basin Soakpit		
				Final FF Basin Volume:	**1071.595**				**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72		1521.20	1966.82	254.26			142.50	498.47	
Summary	2.00	108.72		1123.72	1966.82	845.61			142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)		Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)		Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
920	0.00	0.00		750.956	0.00	0.36		298.33	142.500	1.250	297.078
921	0.00	0.00		749.345	0.00	0.36		296.72	142.500	1.250	295.466
922	0.00	0.00		747.734	0.00	0.36		295.11	142.500	1.250	293.855
923	0.00	0.00		746.123	0.00	0.36		293.49	142.500	1.250	292.244
924	0.00	0.00		744.511	0.00	0.36		291.88	142.500	1.250	290.633
925	0.00	0.00		742.900	0.00	0.36		290.27	142.500	1.250	289.021
926	0.00	0.00		741.289	0.00	0.36		288.66	142.500	1.250	287.410
927	0.00	0.00		739.678	0.00	0.36		287.05	142.500	1.250	285.799
928	0.00	0.00		738.066	0.00	0.36		285.44	142.500	1.250	284.188
929	0.00	0.00		736.455	0.00	0.36		283.83	142.500	1.250	282.576
930	0.00	0.00		734.844	0.00	0.36		282.22	142.500	1.250	280.965
931	0.00	0.00		733.233	0.00	0.36		280.60	142.500	1.250	279.354
932	0.00	0.00		731.621	0.00	0.36		278.99	142.500	1.250	277.743
933	0.00	0.00		730.010	0.00	0.36		277.38	142.500	1.250	276.131
934	0.00	0.00		728.399	0.00	0.36		275.77	142.500	1.250	274.520
935	0.00	0.00		726.788	0.00	0.36		274.16	142.500	1.250	272.909
936	0.00	0.00		725.176	0.00	0.36		272.55	142.500	1.250	271.298
937	0.00	0.00		723.565	0.00	0.36		270.94	142.500	1.250	269.686
938	0.00	0.00		721.954	0.00	0.36		269.33	142.500	1.250	268.075
939	0.00	0.00		720.343	0.00	0.36		267.71	142.500	1.250	266.464
940	0.00	0.00		718.731	0.00	0.36		266.10	142.500	1.250	264.853
941	0.00	0.00		717.120	0.00	0.36		264.49	142.500	1.250	263.241
942	0.00	0.00		715.509	0.00	0.36		262.88	142.500	1.250	261.630
943	0.00	0.00		713.898	0.00	0.36		261.27	142.500	1.250	260.019
944	0.00	0.00		712.286	0.00	0.36		259.66	142.500	1.250	258.408
945	0.00	0.00		710.675	0.00	0.36		258.05	142.500	1.250	256.796
946	0.00	0.00		709.064	0.00	0.36		256.44	142.500	1.250	255.185
947	0.00	0.00		707.453	0.00	0.36		254.82	142.500	1.250	253.574
948	0.00	0.00		705.841	0.00	0.36		253.21	142.500	1.250	251.963
949	0.00	0.00		704.230	0.00	0.36		251.60	142.500	1.250	250.351
950	0.00	0.00		702.619	0.00	0.36		249.99	142.500	1.250	248.740
951	0.00	0.00		701.008	0.00	0.36		248.38	142.500	1.250	247.129
952	0.00	0.00		699.396	0.00	0.36		246.77	142.500	1.250	245.518
953	0.00	0.00		697.785	0.00	0.36		245.16	142.500	1.250	243.906
954	0.00	0.00		696.174	0.00	0.36		243.55	142.500	1.250	242.295
955	0.00	0.00		694.563	0.00	0.36		241.93	142.500	1.250	240.684
956	0.00	0.00		692.951	0.00	0.36		240.32	142.500	1.250	239.073
957	0.00	0.00		691.340	0.00	0.36		238.71	142.500	1.250	237.461
958	0.00	0.00		689.729	0.00	0.36		237.10	142.500	1.250	235.850
959	0.00	0.00		688.118	0.00	0.36		235.49	142.500	1.250	234.239
960	0.00	0.00		686.506	0.00	0.36		233.88	142.500	1.250	232.628
961	0.00	0.00		684.895	0.00	0.36		232.27	142.500	1.250	231.016
962	0.00	0.00		683.284	0.00	0.36		230.66	142.500	1.250	229.405
963	0.00	0.00		681.673	0.00	0.36		229.04	142.500	1.250	227.794
964	0.00	0.00		680.061	0.00	0.36		227.43	142.500	1.250	226.183
965	0.00	0.00		678.450	0.00	0.36		225.82	142.500	1.250	224.571
966	0.00	0.00		676.839	0.00	0.36		224.21	142.500	1.250	222.960
967	0.00	0.00		675.228	0.00	0.36		222.60	142.500	1.250	221.349
968	0.00	0.00		673.616	0.00	0.36		220.99	142.500	1.250	219.738
969	0.00	0.00		672.005	0.00	0.36		219.38	142.500	1.250	218.126
970	0.00	0.00		670.394	0.00	0.36		217.77	142.500	1.250	216.515
971	0.00	0.00		668.783	0.00	0.36		216.15	142.500	1.250	214.904
972	0.00	0.00		667.171	0.00	0.36		214.54	142.500	1.250	213.293
973	0.00	0.00		665.560	0.00	0.36		212.93	142.500	1.250	211.681
974	0.00	0.00		663.949	0.00	0.36		211.32	142.500	1.250	210.070
975	0.00	0.00		662.338	0.00	0.36		209.71	142.500	1.250	208.459
976	0.00	0.00		660.726	0.00	0.36		208.10	142.500	1.250	206.848
977	0.00	0.00		659.115	0.00	0.36		206.49	142.500	1.250	205.236
978	0.00	0.00		657.504	0.00	0.36		204.88	142.500	1.250	203.625
979	0.00	0.00		655.893	0.00	0.36		203.26	142.500	1.250	202.014
980	0.00	0.00		654.281	0.00	0.36		201.65	142.500	1.250	200.403
981	0.00	0.00		652.670	0.00	0.36		200.04	142.500	1.250	198.791
982	0.00	0.00		651.059	0.00	0.36		198.43	142.500	1.250	197.180
983	0.00	0.00		649.448	0.00	0.36		196.82	142.500	1.250	195.569
984	0.00	0.00		647.836	0.00	0.36		195.21	142.500	1.250	193.958
985	0.00	0.00		646.225	0.00	0.36		193.60	142.500	1.250	192.346
986	0.00	0.00		644.614	0.00	0.36		191.99	142.500	1.250	190.735
987	0.00	0.00		643.003	0.00	0.36		190.37	142.500	1.250	189.124
988	2.00	0.00		641.391	0.00	0.36		188.76	142.500	1.250	187.513
989	0.00	0.00		639.780	0.00	0.36		187.15	142.500	1.250	185.901
990	0.00	0.00		638.169	0.00	0.36		185.54	142.500	1.250	184.290
991	0.00	0.00		636.558	0.00	0.36		183.93	142.500	1.250	182.679
992	0.00	0.00		634.946	0.00	0.36		182.32	142.500	1.250	181.068
993	0.00	0.00		633.335	0.00	0.36		180.71	142.500	1.250	179.456
994	0.00	0.00		631.724	0.00	0.36		179.10	142.500	1.250	177.845
995	0.00	0.00		630.113	0.00	0.36		177.48	142.500	1.250	176.234
996	0.00	0.00		628.501	0.00	0.36		175.87	142.500	1.250	174.623
997	0.00	0.00		626.890	0.00	0.36		174.26	142.500	1.250	173.011
998	0.00	0.00		625.279	0.00	0.36		172.65	142.500	1.250	171.400
999	0.00	0.00		623.668	0.00	0.36		171.04	142.500	1.250	169.789
1000	0.00	0.00		622.056	0.00	0.36		169.43	142.500	1.250	168.178
1001	0.00	0.00		620.445	0.00	0.36		167.82	142.500	1.250	166.566
1002	0.00	0.00		618.834	0.00	0.36		166.21	142.500	1.250	164.955
1003	0.00	0.00		617.223	0.00	0.36		164.59	142.500	1.250	163.344
1004	0.00	0.00		615.611	0.00	0.36		162.98	142.500	1.250	161.733
1005	0.00	0.00		614.000	0.00	0.36		161.37	142.500	1.250	160.121
1006	0.00	0.00		612.389	0.00	0.36		159.76	142.500	1.250	158.510
1007	0.00	0.00		610.778	0.00	0.36		158.15	142.500	1.250	156.899
1008	0.00	0.00		609.166	0.00	0.36		156.54	142.500	1.250	155.288
1009	0.00	0.00		607.555	0.00	0.36		154.93	142.500	1.250	153.676
1010	0.00	0.00		605.944	0.00	0.36		153.32	142.500	1.250	152.065
1011	0.00	0.00		604.333	0.00	0.36		151.70	142.500	1.250	150.454
1012	0.00	0.00		602.721	0.00	0.36		150.09	142.500	1.250	148.843
1013	0.00	0.00		601.110	0.00	0.36		148.48	142.500	1.250	147.231
1014	0.00	0.00		599.499	0.00	0.36		146.87	142.500	1.250	145.620
1015	0.00	0.00		597.888	0.00	0.36		145.26	142.500	1.250	144.009
1016	0.00	0.00		596.276	0.00	0.36		143.65	142.500	1.250	142.398
1017	0.00	0.00		594.665	0.00	0.36		142.04	142.500	1.250	140.786
1018	0.00	0.00		593.054	0.00	0.36		140.43	142.500	1.250	139.175
1019	0.00	0.00		591.443	0.00	0.36		138.81	142.500	1.250	137.564
1020	0.00	0.00		589.831	0.00	0.36		137.20	142.500	1.250	135.953
1021	0.00	0.00		588.220	0.00	0.36		135.59	142.500	1.250	134.341
1022	0.00	0.00		586.609	0.00	0.36		133.98	142.500	1.250	132.730

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1023	0.00	0.00	584.998	0.00	0.36	132.37	142.500	1.250	131.119
1024	0.00	0.00	583.386	0.00	0.36	130.76	142.500	1.250	129.508
1025	0.00	0.00	581.775	0.00	0.36	129.15	142.500	1.250	127.896
1026	0.00	0.00	580.164	0.00	0.36	127.54	142.500	1.250	126.285
1027	0.00	0.00	578.553	0.00	0.36	125.92	142.500	1.250	124.674
1028	0.00	0.00	576.941	0.00	0.36	124.31	142.500	1.250	123.063
1029	0.00	0.00	575.330	0.00	0.36	122.70	142.500	1.250	121.451
1030	0.00	0.00	573.719	0.00	0.36	121.09	142.500	1.250	119.840
1031	0.00	0.00	572.108	0.00	0.36	119.48	142.500	1.250	118.229
1032	0.00	0.00	570.496	0.00	0.36	117.87	142.500	1.250	116.618
1033	0.00	0.00	568.885	0.00	0.36	116.26	142.500	1.250	115.006
1034	0.00	0.00	567.274	0.00	0.36	114.65	142.500	1.250	113.395
1035	0.00	0.00	565.663	0.00	0.36	113.03	142.500	1.250	111.784
1036	0.00	0.00	564.051	0.00	0.36	111.42	142.500	1.250	110.173
1037	0.00	0.00	562.440	0.00	0.36	109.81	142.500	1.250	108.561
1038	0.00	0.00	560.829	0.00	0.36	108.20	142.500	1.250	106.950
1039	0.00	0.00	559.218	0.00	0.36	106.59	142.500	1.250	105.339
1040	0.00	0.00	557.606	0.00	0.36	104.98	142.500	1.250	103.728
1041	0.00	0.00	555.995	0.00	0.36	103.37	142.500	1.250	102.116
1042	0.00	0.00	554.384	0.00	0.36	101.76	142.500	1.250	100.505
1043	0.00	0.00	552.773	0.00	0.36	100.14	142.500	1.250	98.894
1044	0.00	0.00	551.161	0.00	0.36	98.53	142.500	1.250	97.283
1045	0.00	0.00	549.550	0.00	0.36	96.92	142.500	1.250	95.671
1046	0.00	0.00	547.939	0.00	0.36	95.31	142.500	1.250	94.060
1047	0.00	0.00	546.328	0.00	0.36	93.70	142.500	1.250	92.449
1048	0.00	0.00	544.716	0.00	0.36	92.09	142.500	1.250	90.838
1049	0.00	0.00	543.105	0.00	0.36	90.48	142.500	1.250	89.226
1050	0.00	0.00	541.494	0.00	0.36	88.87	142.500	1.250	87.615
1051	0.00	0.00	539.883	0.00	0.36	87.25	142.500	1.250	86.004
1052	0.00	0.00	538.271	0.00	0.36	85.64	142.500	1.250	84.393
1053	0.00	0.00	536.660	0.00	0.36	84.03	142.500	1.250	82.781
1054	0.00	0.00	535.049	0.00	0.36	82.42	142.500	1.250	81.170
1055	0.00	0.00	533.438	0.00	0.36	80.81	142.500	1.250	79.559
1056	0.00	0.00	531.826	0.00	0.36	79.20	142.500	1.250	77.948
1057	0.00	0.00	530.215	0.00	0.36	77.59	142.500	1.250	76.336
1058	0.00	0.00	528.604	0.00	0.36	75.98	142.500	1.250	74.725
1059	0.00	0.00	526.993	0.00	0.36	74.36	142.500	1.250	73.114
1060	0.00	0.00	525.381	0.00	0.36	72.75	142.500	1.250	71.503
1061	0.00	0.00	523.770	0.00	0.36	71.14	142.500	1.250	69.891
1062	0.00	0.00	522.159	0.00	0.36	69.53	142.500	1.250	68.280
1063	0.00	0.00	520.548	0.00	0.36	67.92	142.500	1.250	66.669
1064	0.00	0.00	518.936	0.00	0.36	66.31	142.500	1.250	65.058
1065	0.00	0.00	517.325	0.00	0.36	64.70	142.500	1.250	63.446
1066	0.00	0.00	515.714	0.00	0.36	63.09	142.500	1.250	61.835
1067	0.00	0.00	514.103	0.00	0.36	61.47	142.500	1.250	60.224
1068	0.00	0.00	512.491	0.00	0.36	59.86	142.500	1.250	58.613
1069	0.00	0.00	510.880	0.00	0.36	58.25	142.500	1.250	57.001
1070	0.00	0.00	509.269	0.00	0.36	56.64	142.500	1.250	55.390
1071	0.00	0.00	507.658	0.00	0.36	55.03	142.500	1.250	53.779
1072	0.00	0.00	506.046	0.00	0.36	53.42	142.500	1.250	52.168
1073	0.00	0.00	504.435	0.00	0.36	51.81	142.500	1.250	50.556
1074	0.00	0.00	502.824	0.00	0.36	50.20	142.500	1.250	48.945
1075	0.00	0.00	501.213	0.00	0.36	48.58	142.500	1.250	47.334
1076	0.00	0.00	499.601	0.00	0.36	46.97	142.500	1.250	45.723
1077	0.00	0.00	497.990	0.00	0.36	45.36	142.500	1.250	44.111
1078	0.00	0.00	496.379	0.00	0.36	43.75	142.500	1.250	42.500
1079	0.00	0.00	494.768	0.00	0.36	42.14	142.500	1.250	40.889
1080	0.00	0.00	493.156	0.00	0.36	40.53	142.500	1.250	39.278
1081	0.00	0.00	491.545	0.00	0.36	38.92	142.500	1.250	37.666
1082	0.00	0.00	489.934	0.00	0.36	37.31	142.500	1.250	36.055
1083	0.00	0.00	488.323	0.00	0.36	35.69	142.500	1.250	34.444
1084	0.00	0.00	486.711	0.00	0.36	34.08	142.500	1.250	32.833
1085	0.00	0.00	485.100	0.00	0.36	32.47	142.500	1.250	31.221
1086	0.00	0.00	483.489	0.00	0.36	30.86	142.500	1.250	29.610
1087	0.00	0.00	481.878	0.00	0.36	29.25	142.500	1.250	27.999
1088	0.00	0.00	480.266	0.00	0.36	27.64	142.500	1.250	26.388
1089	0.00	0.00	478.655	0.00	0.36	26.03	142.500	1.250	24.776
1090	0.00	0.00	477.044	0.00	0.36	24.42	142.500	1.250	23.165
1091	2.00	0.00	475.433	0.00	0.36	22.80	142.500	1.250	21.554
1092	0.00	0.00	473.821	0.00	0.36	21.19	142.500	1.250	19.943
1093	0.00	0.00	472.210	0.00	0.36	19.58	142.500	1.250	18.331
1094	0.00	0.00	470.599	0.00	0.36	17.97	142.500	1.250	16.720
1095	0.00	0.00	468.988	0.00	0.36	16.36	142.500	1.250	15.109
1096	0.00	0.00	467.376	0.00	0.36	14.75	142.500	1.250	13.498
1097	0.00	0.00	465.765	0.00	0.36	13.14	142.500	1.250	11.886
1098	0.00	0.00	464.154	0.00	0.36	11.53	142.500	1.250	10.275
1099	0.00	0.00	462.543	0.00	0.36	9.91	142.500	1.250	8.664
1100	0.00	0.00	460.931	0.00	0.36	8.30	142.500	1.250	7.053
1101	0.00	0.00	459.320	0.00	0.36	6.69	142.500	1.250	5.441
1102	0.00	0.00	457.709	0.00	0.36	5.08	142.500	1.250	3.830
1103	0.00	0.00	456.098	0.00	0.36	3.47	142.500	1.250	2.219
1104	0.00	0.00	454.486	0.00	0.36	1.86	142.500	1.250	0.608
1105	0.00	0.00	452.875	0.00	0.36	0.25	142.500	1.250	0.000
1106	0.00	0.00	452.268	0.00	0.36	0.00	141.496	1.250	0.000
1107	0.00	0.00	451.906	0.00	0.36	0.00	140.246	1.250	0.000
1108	0.00	0.00	451.545	0.00	0.36	0.00	138.996	1.250	0.000
1109	0.00	0.00	451.184	0.00	0.36	0.00	137.746	1.250	0.000
1110	0.00	0.00	450.823	0.00	0.36	0.00	136.496	1.250	0.000
1111	0.00	0.00	450.461	0.00	0.36	0.00	135.246	1.250	0.000
1112	0.00	0.00	450.100	0.00	0.36	0.00	133.996	1.250	0.000
1113	0.00	0.00	449.739	0.00	0.36	0.00	132.746	1.250	0.000
1114	0.00	0.00	449.378	0.00	0.36	0.00	131.496	1.250	0.000
1115	0.00	0.00	449.016	0.00	0.36	0.00	130.246	1.250	0.000
1116	0.00	0.00	448.655	0.00	0.36	0.00	128.996	1.250	0.000
1117	0.00	0.00	448.294	0.00	0.36	0.00	127.746	1.250	0.000
1118	0.00	0.00	447.933	0.00	0.36	0.00	126.496	1.250	0.000
1119	0.00	0.00	447.571	0.00	0.36	0.00	125.246	1.250	0.000
1120	0.00	0.00	447.210	0.00	0.36	0.00	123.996	1.250	0.000
1121	0.00	0.00	446.849	0.00	0.36	0.00	122.746	1.250	0.000
1122	0.00	0.00	446.488	0.00	0.36	0.00	121.496	1.250	0.000
1123	0.00	0.00	446.126	0.00	0.36	0.00	120.246	1.250	0.000
1124	0.00	0.00	445.765	0.00	0.36	0.00	118.996	1.250	0.000
1125	0.00	0.00	445.404	0.00	0.36	0.00	117.746	1.250	0.000

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1126	0.00	0.00	445.043	0.00	0.36	0.00	116.496	1.250	0.000
1127	0.00	0.00	444.681	0.00	0.36	0.00	115.246	1.250	0.000
1128	0.00	0.00	444.320	0.00	0.36	0.00	113.996	1.250	0.000
1129	0.00	0.00	443.959	0.00	0.36	0.00	112.746	1.250	0.000
1130	0.00	0.00	443.598	0.00	0.36	0.00	111.496	1.250	0.000
1131	0.00	0.00	443.236	0.00	0.36	0.00	110.246	1.250	0.000
1132	0.00	0.00	442.875	0.00	0.36	0.00	108.996	1.250	0.000
1133	0.00	0.00	442.514	0.00	0.36	0.00	107.746	1.250	0.000
1134	0.00	0.00	442.153	0.00	0.36	0.00	106.496	1.250	0.000
1135	0.00	0.00	441.791	0.00	0.36	0.00	105.246	1.250	0.000
1136	0.00	0.00	441.430	0.00	0.36	0.00	103.996	1.250	0.000
1137	0.00	0.00	441.069	0.00	0.36	0.00	102.746	1.250	0.000
1138	0.00	0.00	440.708	0.00	0.36	0.00	101.496	1.250	0.000
1139	0.00	0.00	440.346	0.00	0.36	0.00	100.246	1.250	0.000
1140	0.00	0.00	439.985	0.00	0.36	0.00	98.996	1.250	0.000
1141	0.00	0.00	439.624	0.00	0.36	0.00	97.746	1.250	0.000
1142	0.00	0.00	439.263	0.00	0.36	0.00	96.496	1.250	0.000
1143	0.00	0.00	438.901	0.00	0.36	0.00	95.246	1.250	0.000
1144	0.00	0.00	438.540	0.00	0.36	0.00	93.996	1.250	0.000
1145	0.00	0.00	438.179	0.00	0.36	0.00	92.746	1.250	0.000
1146	0.00	0.00	437.818	0.00	0.36	0.00	91.496	1.250	0.000
1147	0.00	0.00	437.456	0.00	0.36	0.00	90.246	1.250	0.000
1148	0.00	0.00	437.095	0.00	0.36	0.00	88.996	1.250	0.000
1149	0.00	0.00	436.734	0.00	0.36	0.00	87.746	1.250	0.000
1150	0.00	0.00	436.373	0.00	0.36	0.00	86.496	1.250	0.000
1151	0.00	0.00	436.011	0.00	0.36	0.00	85.246	1.250	0.000
1152	0.00	0.00	435.650	0.00	0.36	0.00	83.996	1.250	0.000
1153	0.00	0.00	435.289	0.00	0.36	0.00	82.746	1.250	0.000
1154	0.00	0.00	434.928	0.00	0.36	0.00	81.496	1.250	0.000
1155	0.00	0.00	434.566	0.00	0.36	0.00	80.246	1.250	0.000
1156	0.00	0.00	434.205	0.00	0.36	0.00	78.996	1.250	0.000
1157	0.00	0.00	433.844	0.00	0.36	0.00	77.746	1.250	0.000
1158	0.00	0.00	433.483	0.00	0.36	0.00	76.496	1.250	0.000
1159	0.00	0.00	433.121	0.00	0.36	0.00	75.246	1.250	0.000
1160	0.00	0.00	432.760	0.00	0.36	0.00	73.996	1.250	0.000
1161	0.00	0.00	432.399	0.00	0.36	0.00	72.746	1.250	0.000
1162	0.00	0.00	432.038	0.00	0.36	0.00	71.496	1.250	0.000
1163	0.00	0.00	431.676	0.00	0.36	0.00	70.246	1.250	0.000
1164	0.00	0.00	431.315	0.00	0.36	0.00	68.996	1.250	0.000
1165	0.00	0.00	430.954	0.00	0.36	0.00	67.746	1.250	0.000
1166	0.00	0.00	430.593	0.00	0.36	0.00	66.496	1.250	0.000
1167	0.00	0.00	430.231	0.00	0.36	0.00	65.246	1.250	0.000
1168	0.00	0.00	429.870	0.00	0.36	0.00	63.996	1.250	0.000
1169	0.00	0.00	429.509	0.00	0.36	0.00	62.746	1.250	0.000
1170	0.00	0.00	429.148	0.00	0.36	0.00	61.496	1.250	0.000
1171	0.00	0.00	428.786	0.00	0.36	0.00	60.246	1.250	0.000
1172	0.00	0.00	428.425	0.00	0.36	0.00	58.996	1.250	0.000
1173	0.00	0.00	428.064	0.00	0.36	0.00	57.746	1.250	0.000
1174	0.00	0.00	427.703	0.00	0.36	0.00	56.496	1.250	0.000
1175	0.00	0.00	427.341	0.00	0.36	0.00	55.246	1.250	0.000
1176	0.00	0.00	426.980	0.00	0.36	0.00	53.996	1.250	0.000
1177	0.00	0.00	426.619	0.00	0.36	0.00	52.746	1.250	0.000
1178	0.00	0.00	426.258	0.00	0.36	0.00	51.496	1.250	0.000
1179	0.00	0.00	425.896	0.00	0.36	0.00	50.246	1.250	0.000
1180	0.00	0.00	425.535	0.00	0.36	0.00	48.996	1.250	0.000
1181	0.00	0.00	425.174	0.00	0.36	0.00	47.746	1.250	0.000
1182	0.00	0.00	424.813	0.00	0.36	0.00	46.496	1.250	0.000
1183	0.00	0.00	424.451	0.00	0.36	0.00	45.246	1.250	0.000
1184	0.00	0.00	424.090	0.00	0.36	0.00	43.996	1.250	0.000
1185	0.00	0.00	423.729	0.00	0.36	0.00	42.746	1.250	0.000
1186	0.00	0.00	423.368	0.00	0.36	0.00	41.496	1.250	0.000
1187	0.00	0.00	423.006	0.00	0.36	0.00	40.246	1.250	0.000
1188	0.00	0.00	422.645	0.00	0.36	0.00	38.996	1.250	0.000
1189	0.00	0.00	422.284	0.00	0.36	0.00	37.746	1.250	0.000
1190	0.00	0.00	421.923	0.00	0.36	0.00	36.496	1.250	0.000
1191	0.00	0.00	421.561	0.00	0.36	0.00	35.246	1.250	0.000
1192	0.00	0.00	421.200	0.00	0.36	0.00	33.996	1.250	0.000
1193	0.00	0.00	420.839	0.00	0.36	0.00	32.746	1.250	0.000
1194	2.00	0.00	420.478	0.00	0.36	0.00	31.496	1.250	0.000
1195	0.00	0.00	420.116	0.00	0.36	0.00	30.246	1.250	0.000
1196	0.00	0.00	419.755	0.00	0.36	0.00	28.996	1.250	0.000
1197	0.00	0.00	419.394	0.00	0.36	0.00	27.746	1.250	0.000
1198	0.00	0.00	419.033	0.00	0.36	0.00	26.496	1.250	0.000
1199	0.00	0.00	418.671	0.00	0.36	0.00	25.246	1.250	0.000
1200	0.00	0.00	418.310	0.00	0.36	0.00	23.996	1.250	0.000
1201	0.00	0.00	417.949	0.00	0.36	0.00	22.746	1.250	0.000
1202	0.00	0.00	417.588	0.00	0.36	0.00	21.496	1.250	0.000
1203	0.00	0.00	417.226	0.00	0.36	0.00	20.246	1.250	0.000
1204	0.00	0.00	416.865	0.00	0.36	0.00	18.996	1.250	0.000
1205	0.00	0.00	416.504	0.00	0.36	0.00	17.746	1.250	0.000
1206	0.00	0.00	416.143	0.00	0.36	0.00	16.496	1.250	0.000
1207	0.00	0.00	415.781	0.00	0.36	0.00	15.246	1.250	0.000
1208	0.00	0.00	415.420	0.00	0.36	0.00	13.996	1.250	0.000
1209	0.00	0.00	415.059	0.00	0.36	0.00	12.746	1.250	0.000
1210	0.00	0.00	414.698	0.00	0.36	0.00	11.496	1.250	0.000
1211	0.00	0.00	414.336	0.00	0.36	0.00	10.246	1.250	0.000
1212	0.00	0.00	413.975	0.00	0.36	0.00	8.996	1.250	0.000
1213	0.00	0.00	413.614	0.00	0.36	0.00	7.746	1.250	0.000
1214	0.00	0.00	413.253	0.00	0.36	0.00	6.496	1.250	0.000
1215	0.00	0.00	412.891	0.00	0.36	0.00	5.246	1.250	0.000
1216	0.00	0.00	412.530	0.00	0.36	0.00	3.996	1.250	0.000
1217	0.00	0.00	412.169	0.00	0.36	0.00	2.746	1.250	0.000
1218	0.00	0.00	411.808	0.00	0.36	0.00	1.496	1.250	0.000
1219	0.00	0.00	411.446	0.00	0.36	0.00	0.246	0.246	0.000
1220	0.00	0.00	411.085	0.00	0.36	0.00	0.000	0.000	0.000
1221	0.00	0.00	410.724	0.00	0.36	0.00	0.000	0.000	0.000
1222	0.00	0.00	410.363	0.00	0.36	0.00	0.000	0.000	0.000
1223	0.00	0.00	410.001	0.00	0.36	0.00	0.000	0.000	0.000
1224	0.00	0.00	409.640	0.00	0.36	0.00	0.000	0.000	0.000
1225	0.00	0.00	409.279	0.00	0.36	0.00	0.000	0.000	0.000
1226	0.00	0.00	408.918	0.00	0.36	0.00	0.000	0.000	0.000
1227	0.00	0.00	408.556	0.00	0.36	0.00	0.000	0.000	0.000
1228	0.00	0.00	408.195	0.00	0.36	0.00	0.000	0.000	0.000

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1229	0.00	0.00	407.834	0.00	0.36	0.00	0.000	0.000	0.000
1230	0.00	0.00	407.473	0.00	0.36	0.00	0.000	0.000	0.000
1231	0.00	0.00	407.111	0.00	0.36	0.00	0.000	0.000	0.000
1232	0.00	0.00	406.750	0.00	0.36	0.00	0.000	0.000	0.000
1233	0.00	0.00	406.389	0.00	0.36	0.00	0.000	0.000	0.000
1234	0.00	0.00	406.028	0.00	0.36	0.00	0.000	0.000	0.000
1235	0.00	0.00	405.666	0.00	0.36	0.00	0.000	0.000	0.000
1236	0.00	0.00	405.305	0.00	0.36	0.00	0.000	0.000	0.000
1237	0.00	0.00	404.944	0.00	0.36	0.00	0.000	0.000	0.000
1238	0.00	0.00	404.583	0.00	0.36	0.00	0.000	0.000	0.000
1239	0.00	0.00	404.221	0.00	0.36	0.00	0.000	0.000	0.000
1240	0.00	0.00	403.860	0.00	0.36	0.00	0.000	0.000	0.000
1241	0.00	0.00	403.499	0.00	0.36	0.00	0.000	0.000	0.000
1242	0.00	0.00	403.138	0.00	0.36	0.00	0.000	0.000	0.000
1243	0.00	0.00	402.776	0.00	0.36	0.00	0.000	0.000	0.000
1244	0.00	0.00	402.415	0.00	0.36	0.00	0.000	0.000	0.000
1245	0.00	0.00	402.054	0.00	0.36	0.00	0.000	0.000	0.000
1246	0.00	0.00	401.693	0.00	0.36	0.00	0.000	0.000	0.000
1247	0.00	0.00	401.331	0.00	0.36	0.00	0.000	0.000	0.000
1248	0.00	0.00	400.970	0.00	0.36	0.00	0.000	0.000	0.000
1249	0.00	0.00	400.609	0.00	0.36	0.00	0.000	0.000	0.000
1250	0.00	0.00	400.248	0.00	0.36	0.00	0.000	0.000	0.000
1251	0.00	0.00	399.886	0.00	0.36	0.00	0.000	0.000	0.000
1252	0.00	0.00	399.525	0.00	0.36	0.00	0.000	0.000	0.000
1253	0.00	0.00	399.164	0.00	0.36	0.00	0.000	0.000	0.000
1254	0.00	0.00	398.803	0.00	0.36	0.00	0.000	0.000	0.000
1255	0.00	0.00	398.441	0.00	0.36	0.00	0.000	0.000	0.000
1256	0.00	0.00	398.080	0.00	0.36	0.00	0.000	0.000	0.000
1257	0.00	0.00	397.719	0.00	0.36	0.00	0.000	0.000	0.000
1258	0.00	0.00	397.358	0.00	0.36	0.00	0.000	0.000	0.000
1259	0.00	0.00	396.996	0.00	0.36	0.00	0.000	0.000	0.000
1260	0.00	0.00	396.635	0.00	0.36	0.00	0.000	0.000	0.000
1261	0.00	0.00	396.274	0.00	0.36	0.00	0.000	0.000	0.000
1262	0.00	0.00	395.913	0.00	0.36	0.00	0.000	0.000	0.000
1263	0.00	0.00	395.551	0.00	0.36	0.00	0.000	0.000	0.000
1264	0.00	0.00	395.190	0.00	0.36	0.00	0.000	0.000	0.000
1265	0.00	0.00	394.829	0.00	0.36	0.00	0.000	0.000	0.000
1266	0.00	0.00	394.468	0.00	0.36	0.00	0.000	0.000	0.000
1267	0.00	0.00	394.106	0.00	0.36	0.00	0.000	0.000	0.000
1268	0.00	0.00	393.745	0.00	0.36	0.00	0.000	0.000	0.000
1269	0.00	0.00	393.384	0.00	0.36	0.00	0.000	0.000	0.000
1270	0.00	0.00	393.023	0.00	0.36	0.00	0.000	0.000	0.000
1271	0.00	0.00	392.661	0.00	0.36	0.00	0.000	0.000	0.000
1272	0.00	0.00	392.300	0.00	0.36	0.00	0.000	0.000	0.000
1273	0.00	0.00	391.939	0.00	0.36	0.00	0.000	0.000	0.000
1274	0.00	0.00	391.578	0.00	0.36	0.00	0.000	0.000	0.000
1275	0.00	0.00	391.216	0.00	0.36	0.00	0.000	0.000	0.000
1276	0.00	0.00	390.855	0.00	0.36	0.00	0.000	0.000	0.000
1277	0.00	0.00	390.494	0.00	0.36	0.00	0.000	0.000	0.000
1278	0.00	0.00	390.133	0.00	0.36	0.00	0.000	0.000	0.000
1279	0.00	0.00	389.771	0.00	0.36	0.00	0.000	0.000	0.000
1280	0.00	0.00	389.410	0.00	0.36	0.00	0.000	0.000	0.000
1281	0.00	0.00	389.049	0.00	0.36	0.00	0.000	0.000	0.000
1282	0.00	0.00	388.688	0.00	0.36	0.00	0.000	0.000	0.000
1283	0.00	0.00	388.326	0.00	0.36	0.00	0.000	0.000	0.000
1284	0.00	0.00	387.965	0.00	0.36	0.00	0.000	0.000	0.000
1285	0.00	0.00	387.604	0.00	0.36	0.00	0.000	0.000	0.000
1286	0.00	0.00	387.243	0.00	0.36	0.00	0.000	0.000	0.000
1287	0.00	0.00	386.881	0.00	0.36	0.00	0.000	0.000	0.000
1288	0.00	0.00	386.520	0.00	0.36	0.00	0.000	0.000	0.000
1289	0.00	0.00	386.159	0.00	0.36	0.00	0.000	0.000	0.000
1290	0.00	0.00	385.798	0.00	0.36	0.00	0.000	0.000	0.000
1291	0.00	0.00	385.436	0.00	0.36	0.00	0.000	0.000	0.000
1292	0.00	0.00	385.075	0.00	0.36	0.00	0.000	0.000	0.000
1293	0.00	0.00	384.714	0.00	0.36	0.00	0.000	0.000	0.000
1294	0.00	0.00	384.353	0.00	0.36	0.00	0.000	0.000	0.000
1295	0.00	0.00	383.991	0.00	0.36	0.00	0.000	0.000	0.000
1296	0.00	0.00	383.630	0.00	0.36	0.00	0.000	0.000	0.000
1297	2.00	0.00	383.269	0.00	0.36	0.00	0.000	0.000	0.000
1298	0.00	0.00	382.908	0.00	0.36	0.00	0.000	0.000	0.000
1299	0.00	0.00	382.546	0.00	0.36	0.00	0.000	0.000	0.000
1300	0.00	0.00	382.185	0.00	0.36	0.00	0.000	0.000	0.000
1301	0.00	0.00	381.824	0.00	0.36	0.00	0.000	0.000	0.000
1302	0.00	0.00	381.463	0.00	0.36	0.00	0.000	0.000	0.000
1303	0.00	0.00	381.101	0.00	0.36	0.00	0.000	0.000	0.000
1304	0.00	0.00	380.740	0.00	0.36	0.00	0.000	0.000	0.000
1305	0.00	0.00	380.379	0.00	0.36	0.00	0.000	0.000	0.000
1306	0.00	0.00	380.018	0.00	0.36	0.00	0.000	0.000	0.000
1307	0.00	0.00	379.656	0.00	0.36	0.00	0.000	0.000	0.000
1308	0.00	0.00	379.295	0.00	0.36	0.00	0.000	0.000	0.000
1309	0.00	0.00	378.934	0.00	0.36	0.00	0.000	0.000	0.000
1310	0.00	0.00	378.573	0.00	0.36	0.00	0.000	0.000	0.000
1311	0.00	0.00	378.211	0.00	0.36	0.00	0.000	0.000	0.000
1312	0.00	0.00	377.850	0.00	0.36	0.00	0.000	0.000	0.000
1313	0.00	0.00	377.489	0.00	0.36	0.00	0.000	0.000	0.000
1314	0.00	0.00	377.128	0.00	0.36	0.00	0.000	0.000	0.000
1315	0.00	0.00	376.766	0.00	0.36	0.00	0.000	0.000	0.000
1316	0.00	0.00	376.405	0.00	0.36	0.00	0.000	0.000	0.000
1317	0.00	0.00	376.044	0.00	0.36	0.00	0.000	0.000	0.000
1318	0.00	0.00	375.683	0.00	0.36	0.00	0.000	0.000	0.000
1319	0.00	0.00	375.321	0.00	0.36	0.00	0.000	0.000	0.000
1320	0.00	0.00	374.960	0.00	0.36	0.00	0.000	0.000	0.000
1321	0.00	0.00	374.599	0.00	0.36	0.00	0.000	0.000	0.000
1322	0.00	0.00	374.238	0.00	0.36	0.00	0.000	0.000	0.000
1323	0.00	0.00	373.876	0.00	0.36	0.00	0.000	0.000	0.000
1324	0.00	0.00	373.515	0.00	0.36	0.00	0.000	0.000	0.000
1325	0.00	0.00	373.154	0.00	0.36	0.00	0.000	0.000	0.000
1326	0.00	0.00	372.793	0.00	0.36	0.00	0.000	0.000	0.000
1327	0.00	0.00	372.431	0.00	0.36	0.00	0.000	0.000	0.000
1328	0.00	0.00	372.070	0.00	0.36	0.00	0.000	0.000	0.000
1329	0.00	0.00	371.709	0.00	0.36	0.00	0.000	0.000	0.000
1330	0.00	0.00	371.348	0.00	0.36	0.00	0.000	0.000	0.000
1331	0.00	0.00	370.986	0.00	0.36	0.00	0.000	0.000	0.000

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m^3)	Site Runoff (m^3/min)	Soakage (m^3/min)	Overflow (m^3/min)	Volume at start of timestep (m^3)	Soakage (m^3)	Excess (m^3)
1332	0.00	0.00	370.625	0.00	0.36	0.00	0.000	0.000	0.000
1333	0.00	0.00	370.264	0.00	0.36	0.00	0.000	0.000	0.000
1334	0.00	0.00	369.903	0.00	0.36	0.00	0.000	0.000	0.000
1335	0.00	0.00	369.541	0.00	0.36	0.00	0.000	0.000	0.000
1336	0.00	0.00	369.180	0.00	0.36	0.00	0.000	0.000	0.000
1337	0.00	0.00	368.819	0.00	0.36	0.00	0.000	0.000	0.000
1338	0.00	0.00	368.458	0.00	0.36	0.00	0.000	0.000	0.000
1339	0.00	0.00	368.096	0.00	0.36	0.00	0.000	0.000	0.000
1340	0.00	0.00	367.735	0.00	0.36	0.00	0.000	0.000	0.000
1341	0.00	0.00	367.374	0.00	0.36	0.00	0.000	0.000	0.000
1342	0.00	0.00	367.013	0.00	0.36	0.00	0.000	0.000	0.000
1343	0.00	0.00	366.651	0.00	0.36	0.00	0.000	0.000	0.000
1344	0.00	0.00	366.290	0.00	0.36	0.00	0.000	0.000	0.000
1345	0.00	0.00	365.929	0.00	0.36	0.00	0.000	0.000	0.000
1346	0.00	0.00	365.568	0.00	0.36	0.00	0.000	0.000	0.000
1347	0.00	0.00	365.206	0.00	0.36	0.00	0.000	0.000	0.000
1348	0.00	0.00	364.845	0.00	0.36	0.00	0.000	0.000	0.000
1349	0.00	0.00	364.484	0.00	0.36	0.00	0.000	0.000	0.000
1350	0.00	0.00	364.123	0.00	0.36	0.00	0.000	0.000	0.000
1351	0.00	0.00	363.761	0.00	0.36	0.00	0.000	0.000	0.000
1352	0.00	0.00	363.400	0.00	0.36	0.00	0.000	0.000	0.000
1353	0.00	0.00	363.039	0.00	0.36	0.00	0.000	0.000	0.000
1354	0.00	0.00	362.678	0.00	0.36	0.00	0.000	0.000	0.000
1355	0.00	0.00	362.316	0.00	0.36	0.00	0.000	0.000	0.000
1356	0.00	0.00	361.955	0.00	0.36	0.00	0.000	0.000	0.000
1357	0.00	0.00	361.594	0.00	0.36	0.00	0.000	0.000	0.000
1358	0.00	0.00	361.233	0.00	0.36	0.00	0.000	0.000	0.000
1359	0.00	0.00	360.871	0.00	0.36	0.00	0.000	0.000	0.000
1360	0.00	0.00	360.510	0.00	0.36	0.00	0.000	0.000	0.000
1361	0.00	0.00	360.149	0.00	0.36	0.00	0.000	0.000	0.000
1362	0.00	0.00	359.788	0.00	0.36	0.00	0.000	0.000	0.000
1363	0.00	0.00	359.426	0.00	0.36	0.00	0.000	0.000	0.000
1364	0.00	0.00	359.065	0.00	0.36	0.00	0.000	0.000	0.000
1365	0.00	0.00	358.704	0.00	0.36	0.00	0.000	0.000	0.000
1366	0.00	0.00	358.343	0.00	0.36	0.00	0.000	0.000	0.000
1367	0.00	0.00	357.981	0.00	0.36	0.00	0.000	0.000	0.000
1368	0.00	0.00	357.620	0.00	0.36	0.00	0.000	0.000	0.000
1369	0.00	0.00	357.259	0.00	0.36	0.00	0.000	0.000	0.000
1370	0.00	0.00	356.898	0.00	0.36	0.00	0.000	0.000	0.000
1371	0.00	0.00	356.536	0.00	0.36	0.00	0.000	0.000	0.000
1372	0.00	0.00	356.175	0.00	0.36	0.00	0.000	0.000	0.000
1373	0.00	0.00	355.814	0.00	0.36	0.00	0.000	0.000	0.000
1374	0.00	0.00	355.453	0.00	0.36	0.00	0.000	0.000	0.000
1375	0.00	0.00	355.091	0.00	0.36	0.00	0.000	0.000	0.000
1376	0.00	0.00	354.730	0.00	0.36	0.00	0.000	0.000	0.000
1377	0.00	0.00	354.369	0.00	0.36	0.00	0.000	0.000	0.000
1378	0.00	0.00	354.008	0.00	0.36	0.00	0.000	0.000	0.000
1379	0.00	0.00	353.646	0.00	0.36	0.00	0.000	0.000	0.000
1380	0.00	0.00	353.285	0.00	0.36	0.00	0.000	0.000	0.000
1381	0.00	0.00	352.924	0.00	0.36	0.00	0.000	0.000	0.000
1382	0.00	0.00	352.563	0.00	0.36	0.00	0.000	0.000	0.000
1383	0.00	0.00	352.201	0.00	0.36	0.00	0.000	0.000	0.000
1384	0.00	0.00	351.840	0.00	0.36	0.00	0.000	0.000	0.000
1385	0.00	0.00	351.479	0.00	0.36	0.00	0.000	0.000	0.000
1386	0.00	0.00	351.118	0.00	0.36	0.00	0.000	0.000	0.000
1387	0.00	0.00	350.756	0.00	0.36	0.00	0.000	0.000	0.000
1388	0.00	0.00	350.395	0.00	0.36	0.00	0.000	0.000	0.000
1389	0.00	0.00	350.034	0.00	0.36	0.00	0.000	0.000	0.000
1390	0.00	0.00	349.673	0.00	0.36	0.00	0.000	0.000	0.000
1391	0.00	0.00	349.311	0.00	0.36	0.00	0.000	0.000	0.000
1392	0.00	0.00	348.950	0.00	0.36	0.00	0.000	0.000	0.000
1393	0.00	0.00	348.589	0.00	0.36	0.00	0.000	0.000	0.000
1394	0.00	0.00	348.228	0.00	0.36	0.00	0.000	0.000	0.000
1395	0.00	0.00	347.866	0.00	0.36	0.00	0.000	0.000	0.000
1396	0.00	0.00	347.505	0.00	0.36	0.00	0.000	0.000	0.000
1397	0.00	0.00	347.144	0.00	0.36	0.00	0.000	0.000	0.000
1398	0.00	0.00	346.783	0.00	0.36	0.00	0.000	0.000	0.000
1399	0.00	0.00	346.421	0.00	0.36	0.00	0.000	0.000	0.000
1400	0.00	0.00	346.060	0.00	0.36	0.00	0.000	0.000	0.000
1401	0.00	0.00	345.699	0.00	0.36	0.00	0.000	0.000	0.000
1402	0.00	0.00	345.338	0.00	0.36	0.00	0.000	0.000	0.000
1403	0.00	0.00	344.976	0.00	0.36	0.00	0.000	0.000	0.000
1404	0.00	0.00	344.615	0.00	0.36	0.00	0.000	0.000	0.000
1405	0.00	0.00	344.254	0.00	0.36	0.00	0.000	0.000	0.000
1406	0.00	0.00	343.893	0.00	0.36	0.00	0.000	0.000	0.000
1407	0.00	0.00	343.531	0.00	0.36	0.00	0.000	0.000	0.000
1408	0.00	0.00	343.170	0.00	0.36	0.00	0.000	0.000	0.000
1409	0.00	0.00	342.809	0.00	0.36	0.00	0.000	0.000	0.000
1410	0.00	0.00	342.448	0.00	0.36	0.00	0.000	0.000	0.000
1411	0.00	0.00	342.086	0.00	0.36	0.00	0.000	0.000	0.000
1412	0.00	0.00	341.725	0.00	0.36	0.00	0.000	0.000	0.000
1413	0.00	0.00	341.364	0.00	0.36	0.00	0.000	0.000	0.000
1414	0.00	0.00	341.003	0.00	0.36	0.00	0.000	0.000	0.000
1415	0.00	0.00	340.641	0.00	0.36	0.00	0.000	0.000	0.000
1416	0.00	0.00	340.280	0.00	0.36	0.00	0.000	0.000	0.000
1417	0.00	0.00	339.919	0.00	0.36	0.00	0.000	0.000	0.000
1418	0.00	0.00	339.558	0.00	0.36	0.00	0.000	0.000	0.000
1419	0.00	0.00	339.196	0.00	0.36	0.00	0.000	0.000	0.000
1420	0.00	0.00	338.835	0.00	0.36	0.00	0.000	0.000	0.000
1421	0.00	0.00	338.474	0.00	0.36	0.00	0.000	0.000	0.000
1422	0.00	0.00	338.113	0.00	0.36	0.00	0.000	0.000	0.000
1423	0.00	0.00	337.751	0.00	0.36	0.00	0.000	0.000	0.000
1424	0.00	0.00	337.390	0.00	0.36	0.00	0.000	0.000	0.000
1425	0.00	0.00	337.029	0.00	0.36	0.00	0.000	0.000	0.000
1426	0.00	0.00	336.668	0.00	0.36	0.00	0.000	0.000	0.000
1427	0.00	0.00	336.306	0.00	0.36	0.00	0.000	0.000	0.000
1428	0.00	0.00	335.945	0.00	0.36	0.00	0.000	0.000	0.000
1429	0.00	0.00	335.584	0.00	0.36	0.00	0.000	0.000	0.000
1430	0.00	0.00	335.223	0.00	0.36	0.00	0.000	0.000	0.000
1431	0.00	0.00	334.861	0.00	0.36	0.00	0.000	0.000	0.000
1432	0.00	0.00	334.500	0.00	0.36	0.00	0.000	0.000	0.000
1433	0.00	0.00	334.139	0.00	0.36	0.00	0.000	0.000	0.000
1434	0.00	0.00	333.778	0.00	0.36	0.00	0.000	0.000	0.000

	Set up Design Storm		Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1435	0.00	0.00	333.416	0.00	0.36	0.00	0.000	0.000	0.000
1436	0.00	0.00	333.055	0.00	0.36	0.00	0.000	0.000	0.000
1437	0.00	0.00	332.694	0.00	0.36	0.00	0.000	0.000	0.000
1438	0.00	0.00	332.333	0.00	0.36	0.00	0.000	0.000	0.000
1439	0.00	0.00	331.971	0.00	0.36	0.00	0.000	0.000	0.000
1440	0.00	0.00	331.610	0.00	0.36	0.00	0.000	0.000	0.000
1441	0.00	0.00	331.249	0.00	0.36	0.00	0.000	0.000	0.000
1442	0.00	0.00	330.888	0.00	0.36	0.00	0.000	0.000	0.000
1443	0.00	0.00	330.526	0.00	0.36	0.00	0.000	0.000	0.000
1444	0.00	0.00	330.165	0.00	0.36	0.00	0.000	0.000	0.000
1445	0.00	0.00	329.804	0.00	0.36	0.00	0.000	0.000	0.000
1446	0.00	0.00	329.443	0.00	0.36	0.00	0.000	0.000	0.000
1447	0.00	0.00	329.081	0.00	0.36	0.00	0.000	0.000	0.000
1448	0.00	0.00	328.720	0.00	0.36	0.00	0.000	0.000	0.000
1449	0.00	0.00	328.359	0.00	0.36	0.00	0.000	0.000	0.000
1450	0.00	0.00	327.998	0.00	0.36	0.00	0.000	0.000	0.000
1451	0.00	0.00	327.636	0.00	0.36	0.00	0.000	0.000	0.000
1452	0.00	0.00	327.275	0.00	0.36	0.00	0.000	0.000	0.000
1453	0.00	0.00	326.914	0.00	0.36	0.00	0.000	0.000	0.000
1454	0.00	0.00	326.553	0.00	0.36	0.00	0.000	0.000	0.000
1455	0.00	0.00	326.191	0.00	0.36	0.00	0.000	0.000	0.000
1456	0.00	0.00	325.830	0.00	0.36	0.00	0.000	0.000	0.000
1457	0.00	0.00	325.469	0.00	0.36	0.00	0.000	0.000	0.000
1458	0.00	0.00	325.108	0.00	0.36	0.00	0.000	0.000	0.000
1459	0.00	0.00	324.746	0.00	0.36	0.00	0.000	0.000	0.000
1460	0.00	0.00	324.385	0.00	0.36	0.00	0.000	0.000	0.000
1461	0.00	0.00	324.024	0.00	0.36	0.00	0.000	0.000	0.000
1462	0.00	0.00	323.663	0.00	0.36	0.00	0.000	0.000	0.000
1463	0.00	0.00	323.301	0.00	0.36	0.00	0.000	0.000	0.000
1464	0.00	0.00	322.940	0.00	0.36	0.00	0.000	0.000	0.000
1465	0.00	0.00	322.579	0.00	0.36	0.00	0.000	0.000	0.000
1466	0.00	0.00	322.218	0.00	0.36	0.00	0.000	0.000	0.000
1467	0.00	0.00	321.856	0.00	0.36	0.00	0.000	0.000	0.000
1468	0.00	0.00	321.495	0.00	0.36	0.00	0.000	0.000	0.000
1469	0.00	0.00	321.134	0.00	0.36	0.00	0.000	0.000	0.000
1470	0.00	0.00	320.773	0.00	0.36	0.00	0.000	0.000	0.000
1471	0.00	0.00	320.411	0.00	0.36	0.00	0.000	0.000	0.000
1472	0.00	0.00	320.050	0.00	0.36	0.00	0.000	0.000	0.000
1473	0.00	0.00	319.689	0.00	0.36	0.00	0.000	0.000	0.000
1474	0.00	0.00	319.328	0.00	0.36	0.00	0.000	0.000	0.000
1475	0.00	0.00	318.966	0.00	0.36	0.00	0.000	0.000	0.000
1476	0.00	0.00	318.605	0.00	0.36	0.00	0.000	0.000	0.000
1477	0.00	0.00	318.244	0.00	0.36	0.00	0.000	0.000	0.000
1478	0.00	0.00	317.883	0.00	0.36	0.00	0.000	0.000	0.000
1479	0.00	0.00	317.521	0.00	0.36	0.00	0.000	0.000	0.000
1480	0.00	0.00	317.160	0.00	0.36	0.00	0.000	0.000	0.000
1481	0.00	0.00	316.799	0.00	0.36	0.00	0.000	0.000	0.000
1482	0.00	0.00	316.438	0.00	0.36	0.00	0.000	0.000	0.000
1483	0.00	0.00	316.076	0.00	0.36	0.00	0.000	0.000	0.000
1484	0.00	0.00	315.715	0.00	0.36	0.00	0.000	0.000	0.000
1485	0.00	0.00	315.354	0.00	0.36	0.00	0.000	0.000	0.000
1486	0.00	0.00	314.993	0.00	0.36	0.00	0.000	0.000	0.000
1487	0.00	0.00	314.631	0.00	0.36	0.00	0.000	0.000	0.000
1488	0.00	0.00	314.270	0.00	0.36	0.00	0.000	0.000	0.000
1489	0.00	0.00	313.909	0.00	0.36	0.00	0.000	0.000	0.000
1490	0.00	0.00	313.548	0.00	0.36	0.00	0.000	0.000	0.000
1491	0.00	0.00	313.186	0.00	0.36	0.00	0.000	0.000	0.000
1492	0.00	0.00	312.825	0.00	0.36	0.00	0.000	0.000	0.000
1493	0.00	0.00	312.464	0.00	0.36	0.00	0.000	0.000	0.000
1494	0.00	0.00	312.103	0.00	0.36	0.00	0.000	0.000	0.000
1495	0.00	0.00	311.741	0.00	0.36	0.00	0.000	0.000	0.000
1496	0.00	0.00	311.380	0.00	0.36	0.00	0.000	0.000	0.000
1497	0.00	0.00	311.019	0.00	0.36	0.00	0.000	0.000	0.000
1498	0.00	0.00	310.658	0.00	0.36	0.00	0.000	0.000	0.000
1499	0.00	0.00	310.296	0.00	0.36	0.00	0.000	0.000	0.000
1500	0.00	0.00	309.935	0.00	0.36	0.00	0.000	0.000	0.000
1501	0.00	0.00	309.574	0.00	0.36	0.00	0.000	0.000	0.000
1502	0.00	0.00	309.213	0.00	0.36	0.00	0.000	0.000	0.000
1503	2.00	0.00	308.851	0.00	0.36	0.00	0.000	0.000	0.000
1504	0.00	0.00	308.490	0.00	0.36	0.00	0.000	0.000	0.000
1505	0.00	0.00	308.129	0.00	0.36	0.00	0.000	0.000	0.000
1506	0.00	0.00	307.768	0.00	0.36	0.00	0.000	0.000	0.000
1507	0.00	0.00	307.406	0.00	0.36	0.00	0.000	0.000	0.000
1508	0.00	0.00	307.045	0.00	0.36	0.00	0.000	0.000	0.000
1509	0.00	0.00	306.684	0.00	0.36	0.00	0.000	0.000	0.000
1510	0.00	0.00	306.323	0.00	0.36	0.00	0.000	0.000	0.000
1511	0.00	0.00	305.961	0.00	0.36	0.00	0.000	0.000	0.000
1512	0.00	0.00	305.600	0.00	0.36	0.00	0.000	0.000	0.000
1513	0.00	0.00	305.239	0.00	0.36	0.00	0.000	0.000	0.000
1514	0.00	0.00	304.878	0.00	0.36	0.00	0.000	0.000	0.000
1515	0.00	0.00	304.516	0.00	0.36	0.00	0.000	0.000	0.000
1516	0.00	0.00	304.155	0.00	0.36	0.00	0.000	0.000	0.000
1517	0.00	0.00	303.794	0.00	0.36	0.00	0.000	0.000	0.000
1518	0.00	0.00	303.433	0.00	0.36	0.00	0.000	0.000	0.000
1519	0.00	0.00	303.071	0.00	0.36	0.00	0.000	0.000	0.000
1520	0.00	0.00	302.710	0.00	0.36	0.00	0.000	0.000	0.000
1521	0.00	0.00	302.349	0.00	0.36	0.00	0.000	0.000	0.000
1522	0.00	0.00	301.988	0.00	0.36	0.00	0.000	0.000	0.000
1523	0.00	0.00	301.626	0.00	0.36	0.00	0.000	0.000	0.000
1524	0.00	0.00	301.265	0.00	0.36	0.00	0.000	0.000	0.000
1525	0.00	0.00	300.904	0.00	0.36	0.00	0.000	0.000	0.000
1526	0.00	0.00	300.543	0.00	0.36	0.00	0.000	0.000	0.000
1527	0.00	0.00	300.181	0.00	0.36	0.00	0.000	0.000	0.000
1528	0.00	0.00	299.820	0.00	0.36	0.00	0.000	0.000	0.000
1529	0.00	0.00	299.459	0.00	0.36	0.00	0.000	0.000	0.000
1530	0.00	0.00	299.098	0.00	0.36	0.00	0.000	0.000	0.000
1531	0.00	0.00	298.736	0.00	0.36	0.00	0.000	0.000	0.000
1532	0.00	0.00	298.375	0.00	0.36	0.00	0.000	0.000	0.000
1533	0.00	0.00	298.014	0.00	0.36	0.00	0.000	0.000	0.000
1534	0.00	0.00	297.653	0.00	0.36	0.00	0.000	0.000	0.000
1535	0.00	0.00	297.291	0.00	0.36	0.00	0.000	0.000	0.000
1536	0.00	0.00	296.930	0.00	0.36	0.00	0.000	0.000	0.000
1537	0.00	0.00	296.569	0.00	0.36	0.00	0.000	0.000	0.000

Northern SMA Calulations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1538	0.00	0.00	296.208	0.00	0.36	0.00	0.000	0.000	0.000
1539	0.00	0.00	295.846	0.00	0.36	0.00	0.000	0.000	0.000
1540	0.00	0.00	295.485	0.00	0.36	0.00	0.000	0.000	0.000
1541	0.00	0.00	295.124	0.00	0.36	0.00	0.000	0.000	0.000
1542	0.00	0.00	294.763	0.00	0.36	0.00	0.000	0.000	0.000
1543	0.00	0.00	294.401	0.00	0.36	0.00	0.000	0.000	0.000
1544	0.00	0.00	294.040	0.00	0.36	0.00	0.000	0.000	0.000
1545	0.00	0.00	293.679	0.00	0.36	0.00	0.000	0.000	0.000
1546	0.00	0.00	293.318	0.00	0.36	0.00	0.000	0.000	0.000
1547	0.00	0.00	292.956	0.00	0.36	0.00	0.000	0.000	0.000
1548	0.00	0.00	292.595	0.00	0.36	0.00	0.000	0.000	0.000
1549	0.00	0.00	292.234	0.00	0.36	0.00	0.000	0.000	0.000
1550	0.00	0.00	291.873	0.00	0.36	0.00	0.000	0.000	0.000
1551	0.00	0.00	291.511	0.00	0.36	0.00	0.000	0.000	0.000
1552	0.00	0.00	291.150	0.00	0.36	0.00	0.000	0.000	0.000
1553	0.00	0.00	290.789	0.00	0.36	0.00	0.000	0.000	0.000
1554	0.00	0.00	290.428	0.00	0.36	0.00	0.000	0.000	0.000
1555	0.00	0.00	290.066	0.00	0.36	0.00	0.000	0.000	0.000
1556	0.00	0.00	289.705	0.00	0.36	0.00	0.000	0.000	0.000
1557	0.00	0.00	289.344	0.00	0.36	0.00	0.000	0.000	0.000
1558	0.00	0.00	288.983	0.00	0.36	0.00	0.000	0.000	0.000
1559	0.00	0.00	288.621	0.00	0.36	0.00	0.000	0.000	0.000
1560	0.00	0.00	288.260	0.00	0.36	0.00	0.000	0.000	0.000
1561	0.00	0.00	287.899	0.00	0.36	0.00	0.000	0.000	0.000
1562	0.00	0.00	287.538	0.00	0.36	0.00	0.000	0.000	0.000
1563	0.00	0.00	287.176	0.00	0.36	0.00	0.000	0.000	0.000
1564	0.00	0.00	286.815	0.00	0.36	0.00	0.000	0.000	0.000
1565	0.00	0.00	286.454	0.00	0.36	0.00	0.000	0.000	0.000
1566	0.00	0.00	286.093	0.00	0.36	0.00	0.000	0.000	0.000
1567	0.00	0.00	285.731	0.00	0.36	0.00	0.000	0.000	0.000
1568	0.00	0.00	285.370	0.00	0.36	0.00	0.000	0.000	0.000
1569	0.00	0.00	285.009	0.00	0.36	0.00	0.000	0.000	0.000
1570	0.00	0.00	284.648	0.00	0.36	0.00	0.000	0.000	0.000
1571	0.00	0.00	284.286	0.00	0.36	0.00	0.000	0.000	0.000
1572	0.00	0.00	283.925	0.00	0.36	0.00	0.000	0.000	0.000
1573	0.00	0.00	283.564	0.00	0.36	0.00	0.000	0.000	0.000
1574	0.00	0.00	283.203	0.00	0.36	0.00	0.000	0.000	0.000
1575	0.00	0.00	282.841	0.00	0.36	0.00	0.000	0.000	0.000
1576	0.00	0.00	282.480	0.00	0.36	0.00	0.000	0.000	0.000
1577	0.00	0.00	282.119	0.00	0.36	0.00	0.000	0.000	0.000
1578	0.00	0.00	281.758	0.00	0.36	0.00	0.000	0.000	0.000
1579	0.00	0.00	281.396	0.00	0.36	0.00	0.000	0.000	0.000
1580	0.00	0.00	281.035	0.00	0.36	0.00	0.000	0.000	0.000
1581	0.00	0.00	280.674	0.00	0.36	0.00	0.000	0.000	0.000
1582	0.00	0.00	280.313	0.00	0.36	0.00	0.000	0.000	0.000
1583	0.00	0.00	279.951	0.00	0.36	0.00	0.000	0.000	0.000
1584	0.00	0.00	279.590	0.00	0.36	0.00	0.000	0.000	0.000
1585	0.00	0.00	279.229	0.00	0.36	0.00	0.000	0.000	0.000
1586	0.00	0.00	278.868	0.00	0.36	0.00	0.000	0.000	0.000
1587	0.00	0.00	278.506	0.00	0.36	0.00	0.000	0.000	0.000
1588	0.00	0.00	278.145	0.00	0.36	0.00	0.000	0.000	0.000
1589	0.00	0.00	277.784	0.00	0.36	0.00	0.000	0.000	0.000
1590	0.00	0.00	277.423	0.00	0.36	0.00	0.000	0.000	0.000
1591	0.00	0.00	277.061	0.00	0.36	0.00	0.000	0.000	0.000
1592	0.00	0.00	276.700	0.00	0.36	0.00	0.000	0.000	0.000
1593	0.00	0.00	276.339	0.00	0.36	0.00	0.000	0.000	0.000
1594	0.00	0.00	275.978	0.00	0.36	0.00	0.000	0.000	0.000
1595	0.00	0.00	275.616	0.00	0.36	0.00	0.000	0.000	0.000
1596	0.00	0.00	275.255	0.00	0.36	0.00	0.000	0.000	0.000
1597	0.00	0.00	274.894	0.00	0.36	0.00	0.000	0.000	0.000
1598	0.00	0.00	274.533	0.00	0.36	0.00	0.000	0.000	0.000
1599	0.00	0.00	274.171	0.00	0.36	0.00	0.000	0.000	0.000
1600	0.00	0.00	273.810	0.00	0.36	0.00	0.000	0.000	0.000
1601	0.00	0.00	273.449	0.00	0.36	0.00	0.000	0.000	0.000
1602	0.00	0.00	273.088	0.00	0.36	0.00	0.000	0.000	0.000
1603	0.00	0.00	272.726	0.00	0.36	0.00	0.000	0.000	0.000
1604	0.00	0.00	272.365	0.00	0.36	0.00	0.000	0.000	0.000
1605	0.00	0.00	272.004	0.00	0.36	0.00	0.000	0.000	0.000
1606	0.00	0.00	271.643	0.00	0.36	0.00	0.000	0.000	0.000
1607	0.00	0.00	271.281	0.00	0.36	0.00	0.000	0.000	0.000
1608	0.00	0.00	270.920	0.00	0.36	0.00	0.000	0.000	0.000
1609	0.00	0.00	270.559	0.00	0.36	0.00	0.000	0.000	0.000
1610	0.00	0.00	270.198	0.00	0.36	0.00	0.000	0.000	0.000
1611	0.00	0.00	269.836	0.00	0.36	0.00	0.000	0.000	0.000
1612	0.00	0.00	269.475	0.00	0.36	0.00	0.000	0.000	0.000
1613	0.00	0.00	269.114	0.00	0.36	0.00	0.000	0.000	0.000
1614	0.00	0.00	268.753	0.00	0.36	0.00	0.000	0.000	0.000
1615	0.00	0.00	268.391	0.00	0.36	0.00	0.000	0.000	0.000
1616	0.00	0.00	268.030	0.00	0.36	0.00	0.000	0.000	0.000
1617	0.00	0.00	267.669	0.00	0.36	0.00	0.000	0.000	0.000
1618	0.00	0.00	267.308	0.00	0.36	0.00	0.000	0.000	0.000
1619	0.00	0.00	266.946	0.00	0.36	0.00	0.000	0.000	0.000
1620	0.00	0.00	266.585	0.00	0.36	0.00	0.000	0.000	0.000
1621	0.00	0.00	266.224	0.00	0.36	0.00	0.000	0.000	0.000
1622	0.00	0.00	265.863	0.00	0.36	0.00	0.000	0.000	0.000
1623	0.00	0.00	265.501	0.00	0.36	0.00	0.000	0.000	0.000
1624	0.00	0.00	265.140	0.00	0.36	0.00	0.000	0.000	0.000
1625	0.00	0.00	264.779	0.00	0.36	0.00	0.000	0.000	0.000
1626	0.00	0.00	264.418	0.00	0.36	0.00	0.000	0.000	0.000
1627	0.00	0.00	264.056	0.00	0.36	0.00	0.000	0.000	0.000
1628	0.00	0.00	263.695	0.00	0.36	0.00	0.000	0.000	0.000
1629	0.00	0.00	263.334	0.00	0.36	0.00	0.000	0.000	0.000
1630	0.00	0.00	262.973	0.00	0.36	0.00	0.000	0.000	0.000
1631	0.00	0.00	262.611	0.00	0.36	0.00	0.000	0.000	0.000
1632	0.00	0.00	262.250	0.00	0.36	0.00	0.000	0.000	0.000
1633	0.00	0.00	261.889	0.00	0.36	0.00	0.000	0.000	0.000
1634	0.00	0.00	261.528	0.00	0.36	0.00	0.000	0.000	0.000
1635	0.00	0.00	261.166	0.00	0.36	0.00	0.000	0.000	0.000
1636	0.00	0.00	260.805	0.00	0.36	0.00	0.000	0.000	0.000
1637	0.00	0.00	260.444	0.00	0.36	0.00	0.000	0.000	0.000
1638	0.00	0.00	260.083	0.00	0.36	0.00	0.000	0.000	0.000
1639	0.00	0.00	259.721	0.00	0.36	0.00	0.000	0.000	0.000
1640	0.00	0.00	259.360	0.00	0.36	0.00	0.000	0.000	0.000

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1641	0.00	0.00	258.999	0.00	0.36	0.00	0.000	0.000	0.000
1642	0.00	0.00	258.638	0.00	0.36	0.00	0.000	0.000	0.000
1643	0.00	0.00	258.276	0.00	0.36	0.00	0.000	0.000	0.000
1644	0.00	0.00	257.915	0.00	0.36	0.00	0.000	0.000	0.000
1645	0.00	0.00	257.554	0.00	0.36	0.00	0.000	0.000	0.000
1646	0.00	0.00	257.193	0.00	0.36	0.00	0.000	0.000	0.000
1647	0.00	0.00	256.831	0.00	0.36	0.00	0.000	0.000	0.000
1648	0.00	0.00	256.470	0.00	0.36	0.00	0.000	0.000	0.000
1649	0.00	0.00	256.109	0.00	0.36	0.00	0.000	0.000	0.000
1650	0.00	0.00	255.748	0.00	0.36	0.00	0.000	0.000	0.000
1651	0.00	0.00	255.386	0.00	0.36	0.00	0.000	0.000	0.000
1652	0.00	0.00	255.025	0.00	0.36	0.00	0.000	0.000	0.000
1653	0.00	0.00	254.664	0.00	0.36	0.00	0.000	0.000	0.000
1654	0.00	0.00	254.303	0.00	0.36	0.00	0.000	0.000	0.000
1655	0.00	0.00	253.941	0.00	0.36	0.00	0.000	0.000	0.000
1656	0.00	0.00	253.580	0.00	0.36	0.00	0.000	0.000	0.000
1657	0.00	0.00	253.219	0.00	0.36	0.00	0.000	0.000	0.000
1658	0.00	0.00	252.858	0.00	0.36	0.00	0.000	0.000	0.000
1659	0.00	0.00	252.496	0.00	0.36	0.00	0.000	0.000	0.000
1660	0.00	0.00	252.135	0.00	0.36	0.00	0.000	0.000	0.000
1661	0.00	0.00	251.774	0.00	0.36	0.00	0.000	0.000	0.000
1662	0.00	0.00	251.413	0.00	0.36	0.00	0.000	0.000	0.000
1663	0.00	0.00	251.051	0.00	0.36	0.00	0.000	0.000	0.000
1664	0.00	0.00	250.690	0.00	0.36	0.00	0.000	0.000	0.000
1665	0.00	0.00	250.329	0.00	0.36	0.00	0.000	0.000	0.000
1666	0.00	0.00	249.968	0.00	0.36	0.00	0.000	0.000	0.000
1667	0.00	0.00	249.606	0.00	0.36	0.00	0.000	0.000	0.000
1668	0.00	0.00	249.245	0.00	0.36	0.00	0.000	0.000	0.000
1669	0.00	0.00	248.884	0.00	0.36	0.00	0.000	0.000	0.000
1670	0.00	0.00	248.523	0.00	0.36	0.00	0.000	0.000	0.000
1671	0.00	0.00	248.161	0.00	0.36	0.00	0.000	0.000	0.000
1672	0.00	0.00	247.800	0.00	0.36	0.00	0.000	0.000	0.000
1673	0.00	0.00	247.439	0.00	0.36	0.00	0.000	0.000	0.000
1674	0.00	0.00	247.078	0.00	0.36	0.00	0.000	0.000	0.000
1675	0.00	0.00	246.716	0.00	0.36	0.00	0.000	0.000	0.000
1676	0.00	0.00	246.355	0.00	0.36	0.00	0.000	0.000	0.000
1677	0.00	0.00	245.994	0.00	0.36	0.00	0.000	0.000	0.000
1678	0.00	0.00	245.633	0.00	0.36	0.00	0.000	0.000	0.000
1679	0.00	0.00	245.271	0.00	0.36	0.00	0.000	0.000	0.000
1680	0.00	0.00	244.910	0.00	0.36	0.00	0.000	0.000	0.000
1681	0.00	0.00	244.549	0.00	0.36	0.00	0.000	0.000	0.000
1682	0.00	0.00	244.188	0.00	0.36	0.00	0.000	0.000	0.000
1683	0.00	0.00	243.826	0.00	0.36	0.00	0.000	0.000	0.000
1684	0.00	0.00	243.465	0.00	0.36	0.00	0.000	0.000	0.000
1685	0.00	0.00	243.104	0.00	0.36	0.00	0.000	0.000	0.000
1686	0.00	0.00	242.743	0.00	0.36	0.00	0.000	0.000	0.000
1687	0.00	0.00	242.381	0.00	0.36	0.00	0.000	0.000	0.000
1688	0.00	0.00	242.020	0.00	0.36	0.00	0.000	0.000	0.000
1689	0.00	0.00	241.659	0.00	0.36	0.00	0.000	0.000	0.000
1690	0.00	0.00	241.298	0.00	0.36	0.00	0.000	0.000	0.000
1691	0.00	0.00	240.936	0.00	0.36	0.00	0.000	0.000	0.000
1692	0.00	0.00	240.575	0.00	0.36	0.00	0.000	0.000	0.000
1693	0.00	0.00	240.214	0.00	0.36	0.00	0.000	0.000	0.000
1694	0.00	0.00	239.853	0.00	0.36	0.00	0.000	0.000	0.000
1695	0.00	0.00	239.491	0.00	0.36	0.00	0.000	0.000	0.000
1696	0.00	0.00	239.130	0.00	0.36	0.00	0.000	0.000	0.000
1697	0.00	0.00	238.769	0.00	0.36	0.00	0.000	0.000	0.000
1698	0.00	0.00	238.408	0.00	0.36	0.00	0.000	0.000	0.000
1699	0.00	0.00	238.046	0.00	0.36	0.00	0.000	0.000	0.000
1700	0.00	0.00	237.685	0.00	0.36	0.00	0.000	0.000	0.000
1701	0.00	0.00	237.324	0.00	0.36	0.00	0.000	0.000	0.000
1702	0.00	0.00	236.963	0.00	0.36	0.00	0.000	0.000	0.000
1703	0.00	0.00	236.601	0.00	0.36	0.00	0.000	0.000	0.000
1704	0.00	0.00	236.240	0.00	0.36	0.00	0.000	0.000	0.000
1705	0.00	0.00	235.879	0.00	0.36	0.00	0.000	0.000	0.000
1706	0.00	0.00	235.518	0.00	0.36	0.00	0.000	0.000	0.000
1707	0.00	0.00	235.156	0.00	0.36	0.00	0.000	0.000	0.000
1708	0.00	0.00	234.795	0.00	0.36	0.00	0.000	0.000	0.000
1709	0.00	0.00	234.434	0.00	0.36	0.00	0.000	0.000	0.000
1710	0.00	0.00	234.073	0.00	0.36	0.00	0.000	0.000	0.000
1711	0.00	0.00	233.711	0.00	0.36	0.00	0.000	0.000	0.000
1712	0.00	0.00	233.350	0.00	0.36	0.00	0.000	0.000	0.000
1713	0.00	0.00	232.989	0.00	0.36	0.00	0.000	0.000	0.000
1714	0.00	0.00	232.628	0.00	0.36	0.00	0.000	0.000	0.000
1715	0.00	0.00	232.266	0.00	0.36	0.00	0.000	0.000	0.000
1716	0.00	0.00	231.905	0.00	0.36	0.00	0.000	0.000	0.000
1717	0.00	0.00	231.544	0.00	0.36	0.00	0.000	0.000	0.000
1718	0.00	0.00	231.183	0.00	0.36	0.00	0.000	0.000	0.000
1719	0.00	0.00	230.821	0.00	0.36	0.00	0.000	0.000	0.000
1720	0.00	0.00	230.460	0.00	0.36	0.00	0.000	0.000	0.000
1721	0.00	0.00	230.099	0.00	0.36	0.00	0.000	0.000	0.000
1722	0.00	0.00	229.738	0.00	0.36	0.00	0.000	0.000	0.000
1723	0.00	0.00	229.376	0.00	0.36	0.00	0.000	0.000	0.000
1724	0.00	0.00	229.015	0.00	0.36	0.00	0.000	0.000	0.000
1725	0.00	0.00	228.654	0.00	0.36	0.00	0.000	0.000	0.000
1726	0.00	0.00	228.293	0.00	0.36	0.00	0.000	0.000	0.000
1727	0.00	0.00	227.931	0.00	0.36	0.00	0.000	0.000	0.000
1728	0.00	0.00	227.570	0.00	0.36	0.00	0.000	0.000	0.000
1729	0.00	0.00	227.209	0.00	0.36	0.00	0.000	0.000	0.000
1730	0.00	0.00	226.848	0.00	0.36	0.00	0.000	0.000	0.000
1731	0.00	0.00	226.486	0.00	0.36	0.00	0.000	0.000	0.000
1732	0.00	0.00	226.125	0.00	0.36	0.00	0.000	0.000	0.000
1733	0.00	0.00	225.764	0.00	0.36	0.00	0.000	0.000	0.000
1734	0.00	0.00	225.403	0.00	0.36	0.00	0.000	0.000	0.000
1735	0.00	0.00	225.041	0.00	0.36	0.00	0.000	0.000	0.000
1736	0.00	0.00	224.680	0.00	0.36	0.00	0.000	0.000	0.000
1737	0.00	0.00	224.319	0.00	0.36	0.00	0.000	0.000	0.000
1738	0.00	0.00	223.958	0.00	0.36	0.00	0.000	0.000	0.000
1739	0.00	0.00	223.596	0.00	0.36	0.00	0.000	0.000	0.000
1740	0.00	0.00	223.235	0.00	0.36	0.00	0.000	0.000	0.000
1741	0.00	0.00	222.874	0.00	0.36	0.00	0.000	0.000	0.000
1742	0.00	0.00	222.513	0.00	0.36	0.00	0.000	0.000	0.000
1743	0.00	0.00	222.151	0.00	0.36	0.00	0.000	0.000	0.000

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1744	0.00	0.00	221.790	0.00	0.36	0.00	0.000	0.000	0.000
1745	0.00	0.00	221.429	0.00	0.36	0.00	0.000	0.000	0.000
1746	0.00	0.00	221.068	0.00	0.36	0.00	0.000	0.000	0.000
1747	0.00	0.00	220.706	0.00	0.36	0.00	0.000	0.000	0.000
1748	0.00	0.00	220.345	0.00	0.36	0.00	0.000	0.000	0.000
1749	0.00	0.00	219.984	0.00	0.36	0.00	0.000	0.000	0.000
1750	0.00	0.00	219.623	0.00	0.36	0.00	0.000	0.000	0.000
1751	0.00	0.00	219.261	0.00	0.36	0.00	0.000	0.000	0.000
1752	0.00	0.00	218.900	0.00	0.36	0.00	0.000	0.000	0.000
1753	0.00	0.00	218.539	0.00	0.36	0.00	0.000	0.000	0.000
1754	0.00	0.00	218.178	0.00	0.36	0.00	0.000	0.000	0.000
1755	0.00	0.00	217.816	0.00	0.36	0.00	0.000	0.000	0.000
1756	0.00	0.00	217.455	0.00	0.36	0.00	0.000	0.000	0.000
1757	0.00	0.00	217.094	0.00	0.36	0.00	0.000	0.000	0.000
1758	0.00	0.00	216.733	0.00	0.36	0.00	0.000	0.000	0.000
1759	0.00	0.00	216.371	0.00	0.36	0.00	0.000	0.000	0.000
1760	0.00	0.00	216.010	0.00	0.36	0.00	0.000	0.000	0.000
1761	0.00	0.00	215.649	0.00	0.36	0.00	0.000	0.000	0.000
1762	0.00	0.00	215.288	0.00	0.36	0.00	0.000	0.000	0.000
1763	0.00	0.00	214.926	0.00	0.36	0.00	0.000	0.000	0.000
1764	0.00	0.00	214.565	0.00	0.36	0.00	0.000	0.000	0.000
1765	0.00	0.00	214.204	0.00	0.36	0.00	0.000	0.000	0.000
1766	0.00	0.00	213.843	0.00	0.36	0.00	0.000	0.000	0.000
1767	0.00	0.00	213.481	0.00	0.36	0.00	0.000	0.000	0.000
1768	0.00	0.00	213.120	0.00	0.36	0.00	0.000	0.000	0.000
1769	0.00	0.00	212.759	0.00	0.36	0.00	0.000	0.000	0.000
1770	0.00	0.00	212.398	0.00	0.36	0.00	0.000	0.000	0.000
1771	0.00	0.00	212.036	0.00	0.36	0.00	0.000	0.000	0.000
1772	0.00	0.00	211.675	0.00	0.36	0.00	0.000	0.000	0.000
1773	0.00	0.00	211.314	0.00	0.36	0.00	0.000	0.000	0.000
1774	0.00	0.00	210.953	0.00	0.36	0.00	0.000	0.000	0.000
1775	0.00	0.00	210.591	0.00	0.36	0.00	0.000	0.000	0.000
1776	0.00	0.00	210.230	0.00	0.36	0.00	0.000	0.000	0.000
1777	0.00	0.00	209.869	0.00	0.36	0.00	0.000	0.000	0.000
1778	0.00	0.00	209.508	0.00	0.36	0.00	0.000	0.000	0.000
1779	0.00	0.00	209.146	0.00	0.36	0.00	0.000	0.000	0.000
1780	0.00	0.00	208.785	0.00	0.36	0.00	0.000	0.000	0.000
1781	0.00	0.00	208.424	0.00	0.36	0.00	0.000	0.000	0.000
1782	0.00	0.00	208.063	0.00	0.36	0.00	0.000	0.000	0.000
1783	0.00	0.00	207.701	0.00	0.36	0.00	0.000	0.000	0.000
1784	0.00	0.00	207.340	0.00	0.36	0.00	0.000	0.000	0.000
1785	0.00	0.00	206.979	0.00	0.36	0.00	0.000	0.000	0.000
1786	0.00	0.00	206.618	0.00	0.36	0.00	0.000	0.000	0.000
1787	0.00	0.00	206.256	0.00	0.36	0.00	0.000	0.000	0.000
1788	0.00	0.00	205.895	0.00	0.36	0.00	0.000	0.000	0.000
1789	0.00	0.00	205.534	0.00	0.36	0.00	0.000	0.000	0.000
1790	0.00	0.00	205.173	0.00	0.36	0.00	0.000	0.000	0.000
1791	0.00	0.00	204.811	0.00	0.36	0.00	0.000	0.000	0.000
1792	0.00	0.00	204.450	0.00	0.36	0.00	0.000	0.000	0.000
1793	0.00	0.00	204.089	0.00	0.36	0.00	0.000	0.000	0.000
1794	0.00	0.00	203.728	0.00	0.36	0.00	0.000	0.000	0.000
1795	0.00	0.00	203.366	0.00	0.36	0.00	0.000	0.000	0.000
1796	0.00	0.00	203.005	0.00	0.36	0.00	0.000	0.000	0.000
1797	0.00	0.00	202.644	0.00	0.36	0.00	0.000	0.000	0.000
1798	0.00	0.00	202.283	0.00	0.36	0.00	0.000	0.000	0.000
1799	0.00	0.00	201.921	0.00	0.36	0.00	0.000	0.000	0.000
1800	0.00	0.00	201.560	0.00	0.36	0.00	0.000	0.000	0.000
1801	0.00	0.00	201.199	0.00	0.36	0.00	0.000	0.000	0.000
1802	0.00	0.00	200.838	0.00	0.36	0.00	0.000	0.000	0.000
1803	0.00	0.00	200.476	0.00	0.36	0.00	0.000	0.000	0.000
1804	0.00	0.00	200.115	0.00	0.36	0.00	0.000	0.000	0.000
1805	0.00	0.00	199.754	0.00	0.36	0.00	0.000	0.000	0.000
1806	0.00	0.00	199.393	0.00	0.36	0.00	0.000	0.000	0.000
1807	0.00	0.00	199.031	0.00	0.36	0.00	0.000	0.000	0.000
1808	0.00	0.00	198.670	0.00	0.36	0.00	0.000	0.000	0.000
1809	0.00	0.00	198.309	0.00	0.36	0.00	0.000	0.000	0.000
1810	0.00	0.00	197.948	0.00	0.36	0.00	0.000	0.000	0.000
1811	0.00	0.00	197.586	0.00	0.36	0.00	0.000	0.000	0.000
1812	2.00	0.00	197.225	0.00	0.36	0.00	0.000	0.000	0.000
1813	0.00	0.00	196.864	0.00	0.36	0.00	0.000	0.000	0.000
1814	0.00	0.00	196.503	0.00	0.36	0.00	0.000	0.000	0.000
1815	0.00	0.00	196.141	0.00	0.36	0.00	0.000	0.000	0.000
1816	0.00	0.00	195.780	0.00	0.36	0.00	0.000	0.000	0.000
1817	0.00	0.00	195.419	0.00	0.36	0.00	0.000	0.000	0.000
1818	0.00	0.00	195.058	0.00	0.36	0.00	0.000	0.000	0.000
1819	0.00	0.00	194.696	0.00	0.36	0.00	0.000	0.000	0.000
1820	0.00	0.00	194.335	0.00	0.36	0.00	0.000	0.000	0.000
1821	0.00	0.00	193.974	0.00	0.36	0.00	0.000	0.000	0.000
1822	0.00	0.00	193.613	0.00	0.36	0.00	0.000	0.000	0.000
1823	0.00	0.00	193.251	0.00	0.36	0.00	0.000	0.000	0.000
1824	0.00	0.00	192.890	0.00	0.36	0.00	0.000	0.000	0.000
1825	0.00	0.00	192.529	0.00	0.36	0.00	0.000	0.000	0.000
1826	0.00	0.00	192.168	0.00	0.36	0.00	0.000	0.000	0.000
1827	0.00	0.00	191.806	0.00	0.36	0.00	0.000	0.000	0.000
1828	0.00	0.00	191.445	0.00	0.36	0.00	0.000	0.000	0.000
1829	0.00	0.00	191.084	0.00	0.36	0.00	0.000	0.000	0.000
1830	0.00	0.00	190.723	0.00	0.36	0.00	0.000	0.000	0.000
1831	0.00	0.00	190.361	0.00	0.36	0.00	0.000	0.000	0.000
1832	0.00	0.00	190.000	0.00	0.36	0.00	0.000	0.000	0.000
1833	0.00	0.00	189.639	0.00	0.36	0.00	0.000	0.000	0.000
1834	0.00	0.00	189.278	0.00	0.36	0.00	0.000	0.000	0.000
1835	0.00	0.00	188.916	0.00	0.36	0.00	0.000	0.000	0.000
1836	0.00	0.00	188.555	0.00	0.36	0.00	0.000	0.000	0.000
1837	0.00	0.00	188.194	0.00	0.36	0.00	0.000	0.000	0.000
1838	0.00	0.00	187.833	0.00	0.36	0.00	0.000	0.000	0.000
1839	0.00	0.00	187.471	0.00	0.36	0.00	0.000	0.000	0.000
1840	0.00	0.00	187.110	0.00	0.36	0.00	0.000	0.000	0.000
1841	0.00	0.00	186.749	0.00	0.36	0.00	0.000	0.000	0.000
1842	0.00	0.00	186.388	0.00	0.36	0.00	0.000	0.000	0.000
1843	0.00	0.00	186.026	0.00	0.36	0.00	0.000	0.000	0.000
1844	0.00	0.00	185.665	0.00	0.36	0.00	0.000	0.000	0.000
1845	0.00	0.00	185.304	0.00	0.36	0.00	0.000	0.000	0.000
1846	0.00	0.00	184.943	0.00	0.36	0.00	0.000	0.000	0.000

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1847	0.00	0.00	184.581	0.00	0.36	0.00	0.000	0.000	0.000
1848	0.00	0.00	184.220	0.00	0.36	0.00	0.000	0.000	0.000
1849	0.00	0.00	183.859	0.00	0.36	0.00	0.000	0.000	0.000
1850	0.00	0.00	183.498	0.00	0.36	0.00	0.000	0.000	0.000
1851	0.00	0.00	183.136	0.00	0.36	0.00	0.000	0.000	0.000
1852	0.00	0.00	182.775	0.00	0.36	0.00	0.000	0.000	0.000
1853	0.00	0.00	182.414	0.00	0.36	0.00	0.000	0.000	0.000
1854	0.00	0.00	182.053	0.00	0.36	0.00	0.000	0.000	0.000
1855	0.00	0.00	181.691	0.00	0.36	0.00	0.000	0.000	0.000
1856	0.00	0.00	181.330	0.00	0.36	0.00	0.000	0.000	0.000
1857	0.00	0.00	180.969	0.00	0.36	0.00	0.000	0.000	0.000
1858	0.00	0.00	180.608	0.00	0.36	0.00	0.000	0.000	0.000
1859	0.00	0.00	180.246	0.00	0.36	0.00	0.000	0.000	0.000
1860	0.00	0.00	179.885	0.00	0.36	0.00	0.000	0.000	0.000
1861	0.00	0.00	179.524	0.00	0.36	0.00	0.000	0.000	0.000
1862	0.00	0.00	179.163	0.00	0.36	0.00	0.000	0.000	0.000
1863	0.00	0.00	178.801	0.00	0.36	0.00	0.000	0.000	0.000
1864	0.00	0.00	178.440	0.00	0.36	0.00	0.000	0.000	0.000
1865	0.00	0.00	178.079	0.00	0.36	0.00	0.000	0.000	0.000
1866	0.00	0.00	177.718	0.00	0.36	0.00	0.000	0.000	0.000
1867	0.00	0.00	177.356	0.00	0.36	0.00	0.000	0.000	0.000
1868	0.00	0.00	176.995	0.00	0.36	0.00	0.000	0.000	0.000
1869	0.00	0.00	176.634	0.00	0.36	0.00	0.000	0.000	0.000
1870	0.00	0.00	176.273	0.00	0.36	0.00	0.000	0.000	0.000
1871	0.00	0.00	175.911	0.00	0.36	0.00	0.000	0.000	0.000
1872	0.00	0.00	175.550	0.00	0.36	0.00	0.000	0.000	0.000
1873	0.00	0.00	175.189	0.00	0.36	0.00	0.000	0.000	0.000
1874	0.00	0.00	174.828	0.00	0.36	0.00	0.000	0.000	0.000
1875	0.00	0.00	174.466	0.00	0.36	0.00	0.000	0.000	0.000
1876	0.00	0.00	174.105	0.00	0.36	0.00	0.000	0.000	0.000
1877	0.00	0.00	173.744	0.00	0.36	0.00	0.000	0.000	0.000
1878	0.00	0.00	173.383	0.00	0.36	0.00	0.000	0.000	0.000
1879	0.00	0.00	173.021	0.00	0.36	0.00	0.000	0.000	0.000
1880	0.00	0.00	172.660	0.00	0.36	0.00	0.000	0.000	0.000
1881	0.00	0.00	172.299	0.00	0.36	0.00	0.000	0.000	0.000
1882	0.00	0.00	171.938	0.00	0.36	0.00	0.000	0.000	0.000
1883	0.00	0.00	171.576	0.00	0.36	0.00	0.000	0.000	0.000
1884	0.00	0.00	171.215	0.00	0.36	0.00	0.000	0.000	0.000
1885	0.00	0.00	170.854	0.00	0.36	0.00	0.000	0.000	0.000
1886	0.00	0.00	170.493	0.00	0.36	0.00	0.000	0.000	0.000
1887	0.00	0.00	170.131	0.00	0.36	0.00	0.000	0.000	0.000
1888	0.00	0.00	169.770	0.00	0.36	0.00	0.000	0.000	0.000
1889	0.00	0.00	169.409	0.00	0.36	0.00	0.000	0.000	0.000
1890	0.00	0.00	169.048	0.00	0.36	0.00	0.000	0.000	0.000
1891	0.00	0.00	168.686	0.00	0.36	0.00	0.000	0.000	0.000
1892	0.00	0.00	168.325	0.00	0.36	0.00	0.000	0.000	0.000
1893	0.00	0.00	167.964	0.00	0.36	0.00	0.000	0.000	0.000
1894	0.00	0.00	167.603	0.00	0.36	0.00	0.000	0.000	0.000
1895	0.00	0.00	167.241	0.00	0.36	0.00	0.000	0.000	0.000
1896	0.00	0.00	166.880	0.00	0.36	0.00	0.000	0.000	0.000
1897	0.00	0.00	166.519	0.00	0.36	0.00	0.000	0.000	0.000
1898	0.00	0.00	166.158	0.00	0.36	0.00	0.000	0.000	0.000
1899	0.00	0.00	165.796	0.00	0.36	0.00	0.000	0.000	0.000
1900	0.00	0.00	165.435	0.00	0.36	0.00	0.000	0.000	0.000
1901	0.00	0.00	165.074	0.00	0.36	0.00	0.000	0.000	0.000
1902	0.00	0.00	164.713	0.00	0.36	0.00	0.000	0.000	0.000
1903	0.00	0.00	164.351	0.00	0.36	0.00	0.000	0.000	0.000
1904	0.00	0.00	163.990	0.00	0.36	0.00	0.000	0.000	0.000
1905	0.00	0.00	163.629	0.00	0.36	0.00	0.000	0.000	0.000
1906	0.00	0.00	163.268	0.00	0.36	0.00	0.000	0.000	0.000
1907	0.00	0.00	162.906	0.00	0.36	0.00	0.000	0.000	0.000
1908	0.00	0.00	162.545	0.00	0.36	0.00	0.000	0.000	0.000
1909	0.00	0.00	162.184	0.00	0.36	0.00	0.000	0.000	0.000
1910	0.00	0.00	161.823	0.00	0.36	0.00	0.000	0.000	0.000
1911	0.00	0.00	161.461	0.00	0.36	0.00	0.000	0.000	0.000
1912	0.00	0.00	161.100	0.00	0.36	0.00	0.000	0.000	0.000
1913	0.00	0.00	160.739	0.00	0.36	0.00	0.000	0.000	0.000
1914	0.00	0.00	160.378	0.00	0.36	0.00	0.000	0.000	0.000
1915	0.00	0.00	160.016	0.00	0.36	0.00	0.000	0.000	0.000
1916	0.00	0.00	159.655	0.00	0.36	0.00	0.000	0.000	0.000
1917	0.00	0.00	159.294	0.00	0.36	0.00	0.000	0.000	0.000
1918	0.00	0.00	158.933	0.00	0.36	0.00	0.000	0.000	0.000
1919	0.00	0.00	158.571	0.00	0.36	0.00	0.000	0.000	0.000
1920	0.00	0.00	158.210	0.00	0.36	0.00	0.000	0.000	0.000
1921	0.00	0.00	157.849	0.00	0.36	0.00	0.000	0.000	0.000
1922	0.00	0.00	157.488	0.00	0.36	0.00	0.000	0.000	0.000
1923	0.00	0.00	157.126	0.00	0.36	0.00	0.000	0.000	0.000
1924	0.00	0.00	156.765	0.00	0.36	0.00	0.000	0.000	0.000
1925	0.00	0.00	156.404	0.00	0.36	0.00	0.000	0.000	0.000
1926	0.00	0.00	156.043	0.00	0.36	0.00	0.000	0.000	0.000
1927	0.00	0.00	155.681	0.00	0.36	0.00	0.000	0.000	0.000
1928	0.00	0.00	155.320	0.00	0.36	0.00	0.000	0.000	0.000
1929	0.00	0.00	154.959	0.00	0.36	0.00	0.000	0.000	0.000
1930	0.00	0.00	154.598	0.00	0.36	0.00	0.000	0.000	0.000
1931	0.00	0.00	154.236	0.00	0.36	0.00	0.000	0.000	0.000
1932	0.00	0.00	153.875	0.00	0.36	0.00	0.000	0.000	0.000
1933	0.00	0.00	153.514	0.00	0.36	0.00	0.000	0.000	0.000
1934	0.00	0.00	153.153	0.00	0.36	0.00	0.000	0.000	0.000
1935	0.00	0.00	152.791	0.00	0.36	0.00	0.000	0.000	0.000
1936	0.00	0.00	152.430	0.00	0.36	0.00	0.000	0.000	0.000
1937	0.00	0.00	152.069	0.00	0.36	0.00	0.000	0.000	0.000
1938	0.00	0.00	151.708	0.00	0.36	0.00	0.000	0.000	0.000
1939	0.00	0.00	151.346	0.00	0.36	0.00	0.000	0.000	0.000
1940	0.00	0.00	150.985	0.00	0.36	0.00	0.000	0.000	0.000
1941	0.00	0.00	150.624	0.00	0.36	0.00	0.000	0.000	0.000
1942	0.00	0.00	150.263	0.00	0.36	0.00	0.000	0.000	0.000
1943	0.00	0.00	149.901	0.00	0.36	0.00	0.000	0.000	0.000
1944	0.00	0.00	149.540	0.00	0.36	0.00	0.000	0.000	0.000
1945	0.00	0.00	149.179	0.00	0.36	0.00	0.000	0.000	0.000
1946	0.00	0.00	148.818	0.00	0.36	0.00	0.000	0.000	0.000
1947	0.00	0.00	148.456	0.00	0.36	0.00	0.000	0.000	0.000
1948	0.00	0.00	148.095	0.00	0.36	0.00	0.000	0.000	0.000
1949	0.00	0.00	147.734	0.00	0.36	0.00	0.000	0.000	0.000

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1950	0.00	0.00	147.373	0.00	0.36	0.00	0.000	0.000	0.000
1951	0.00	0.00	147.011	0.00	0.36	0.00	0.000	0.000	0.000
1952	0.00	0.00	146.650	0.00	0.36	0.00	0.000	0.000	0.000
1953	0.00	0.00	146.289	0.00	0.36	0.00	0.000	0.000	0.000
1954	0.00	0.00	145.928	0.00	0.36	0.00	0.000	0.000	0.000
1955	0.00	0.00	145.566	0.00	0.36	0.00	0.000	0.000	0.000
1956	0.00	0.00	145.205	0.00	0.36	0.00	0.000	0.000	0.000
1957	0.00	0.00	144.844	0.00	0.36	0.00	0.000	0.000	0.000
1958	0.00	0.00	144.483	0.00	0.36	0.00	0.000	0.000	0.000
1959	0.00	0.00	144.121	0.00	0.36	0.00	0.000	0.000	0.000
1960	0.00	0.00	143.760	0.00	0.36	0.00	0.000	0.000	0.000
1961	0.00	0.00	143.399	0.00	0.36	0.00	0.000	0.000	0.000
1962	0.00	0.00	143.038	0.00	0.36	0.00	0.000	0.000	0.000
1963	0.00	0.00	142.676	0.00	0.36	0.00	0.000	0.000	0.000
1964	0.00	0.00	142.315	0.00	0.36	0.00	0.000	0.000	0.000
1965	0.00	0.00	141.954	0.00	0.36	0.00	0.000	0.000	0.000
1966	0.00	0.00	141.593	0.00	0.36	0.00	0.000	0.000	0.000
1967	0.00	0.00	141.231	0.00	0.36	0.00	0.000	0.000	0.000
1968	0.00	0.00	140.870	0.00	0.36	0.00	0.000	0.000	0.000
1969	0.00	0.00	140.509	0.00	0.36	0.00	0.000	0.000	0.000
1970	0.00	0.00	140.148	0.00	0.36	0.00	0.000	0.000	0.000
1971	0.00	0.00	139.786	0.00	0.36	0.00	0.000	0.000	0.000
1972	0.00	0.00	139.425	0.00	0.36	0.00	0.000	0.000	0.000
1973	0.00	0.00	139.064	0.00	0.36	0.00	0.000	0.000	0.000
1974	0.00	0.00	138.703	0.00	0.36	0.00	0.000	0.000	0.000
1975	0.00	0.00	138.341	0.00	0.36	0.00	0.000	0.000	0.000
1976	0.00	0.00	137.980	0.00	0.36	0.00	0.000	0.000	0.000
1977	0.00	0.00	137.619	0.00	0.36	0.00	0.000	0.000	0.000
1978	0.00	0.00	137.258	0.00	0.36	0.00	0.000	0.000	0.000
1979	0.00	0.00	136.896	0.00	0.36	0.00	0.000	0.000	0.000
1980	0.00	0.00	136.535	0.00	0.36	0.00	0.000	0.000	0.000
1981	0.00	0.00	136.174	0.00	0.36	0.00	0.000	0.000	0.000
1982	0.00	0.00	135.813	0.00	0.36	0.00	0.000	0.000	0.000
1983	0.00	0.00	135.451	0.00	0.36	0.00	0.000	0.000	0.000
1984	0.00	0.00	135.090	0.00	0.36	0.00	0.000	0.000	0.000
1985	0.00	0.00	134.729	0.00	0.36	0.00	0.000	0.000	0.000
1986	0.00	0.00	134.368	0.00	0.36	0.00	0.000	0.000	0.000
1987	0.00	0.00	134.006	0.00	0.36	0.00	0.000	0.000	0.000
1988	0.00	0.00	133.645	0.00	0.36	0.00	0.000	0.000	0.000
1989	0.00	0.00	133.284	0.00	0.36	0.00	0.000	0.000	0.000
1990	0.00	0.00	132.923	0.00	0.36	0.00	0.000	0.000	0.000
1991	0.00	0.00	132.561	0.00	0.36	0.00	0.000	0.000	0.000
1992	0.00	0.00	132.200	0.00	0.36	0.00	0.000	0.000	0.000
1993	0.00	0.00	131.839	0.00	0.36	0.00	0.000	0.000	0.000
1994	0.00	0.00	131.478	0.00	0.36	0.00	0.000	0.000	0.000
1995	0.00	0.00	131.116	0.00	0.36	0.00	0.000	0.000	0.000
1996	0.00	0.00	130.755	0.00	0.36	0.00	0.000	0.000	0.000
1997	0.00	0.00	130.394	0.00	0.36	0.00	0.000	0.000	0.000
1998	0.00	0.00	130.033	0.00	0.36	0.00	0.000	0.000	0.000
1999	0.00	0.00	129.671	0.00	0.36	0.00	0.000	0.000	0.000
2000	0.00	0.00	129.310	0.00	0.36	0.00	0.000	0.000	0.000
2001	0.00	0.00	128.949	0.00	0.36	0.00	0.000	0.000	0.000
2002	0.00	0.00	128.588	0.00	0.36	0.00	0.000	0.000	0.000
2003	0.00	0.00	128.226	0.00	0.36	0.00	0.000	0.000	0.000
2004	0.00	0.00	127.865	0.00	0.36	0.00	0.000	0.000	0.000
2005	0.00	0.00	127.504	0.00	0.36	0.00	0.000	0.000	0.000
2006	0.00	0.00	127.143	0.00	0.36	0.00	0.000	0.000	0.000
2007	0.00	0.00	126.781	0.00	0.36	0.00	0.000	0.000	0.000
2008	0.00	0.00	126.420	0.00	0.36	0.00	0.000	0.000	0.000
2009	0.00	0.00	126.059	0.00	0.36	0.00	0.000	0.000	0.000
2010	0.00	0.00	125.698	0.00	0.36	0.00	0.000	0.000	0.000
2011	0.00	0.00	125.336	0.00	0.36	0.00	0.000	0.000	0.000
2012	0.00	0.00	124.975	0.00	0.36	0.00	0.000	0.000	0.000
2013	0.00	0.00	124.614	0.00	0.36	0.00	0.000	0.000	0.000
2014	0.00	0.00	124.253	0.00	0.36	0.00	0.000	0.000	0.000
2015	0.00	0.00	123.891	0.00	0.36	0.00	0.000	0.000	0.000
2016	0.00	0.00	123.530	0.00	0.36	0.00	0.000	0.000	0.000
2017	0.00	0.00	123.169	0.00	0.36	0.00	0.000	0.000	0.000
2018	2.00	0.00	122.808	0.00	0.36	0.00	0.000	0.000	671.46
2019	0.00	0.00	122.446	0.00	0.36	0.00	0.000	0.000	0.000
2020	0.00	0.00	122.085	0.00	0.36	0.00	0.000	0.000	0.000
2021	0.00	0.00	121.724	0.00	0.36	0.00	0.000	0.000	0.000
2022	0.00	0.00	121.363	0.00	0.36	0.00	0.000	0.000	0.000
2023	0.00	0.00	121.001	0.00	0.36	0.00	0.000	0.000	0.000
2024	0.00	0.00	120.640	0.00	0.36	0.00	0.000	0.000	0.000
2025	0.00	0.00	120.279	0.00	0.36	0.00	0.000	0.000	0.000
2026	0.00	0.00	119.918	0.00	0.36	0.00	0.000	0.000	0.000
2027	0.00	0.00	119.556	0.00	0.36	0.00	0.000	0.000	0.000
2028	0.00	0.00	119.195	0.00	0.36	0.00	0.000	0.000	0.000
2029	0.00	0.00	118.834	0.00	0.36	0.00	0.000	0.000	0.000
2030	0.00	0.00	118.473	0.00	0.36	0.00	0.000	0.000	0.000
2031	0.00	0.00	118.111	0.00	0.36	0.00	0.000	0.000	0.000
2032	0.00	0.00	117.750	0.00	0.36	0.00	0.000	0.000	0.000
2033	0.00	0.00	117.389	0.00	0.36	0.00	0.000	0.000	0.000
2034	0.00	0.00	117.028	0.00	0.36	0.00	0.000	0.000	0.000
2035	0.00	0.00	116.666	0.00	0.36	0.00	0.000	0.000	0.000
2036	0.00	0.00	116.305	0.00	0.36	0.00	0.000	0.000	0.000
2037	0.00	0.00	115.944	0.00	0.36	0.00	0.000	0.000	0.000
2038	0.00	0.00	115.583	0.00	0.36	0.00	0.000	0.000	0.000
2039	0.00	0.00	115.221	0.00	0.36	0.00	0.000	0.000	0.000
2040	0.00	0.00	114.860	0.00	0.36	0.00	0.000	0.000	0.000
2041	0.00	0.00	114.499	0.00	0.36	0.00	0.000	0.000	0.000
2042	0.00	0.00	114.138	0.00	0.36	0.00	0.000	0.000	0.000
2043	0.00	0.00	113.776	0.00	0.36	0.00	0.000	0.000	0.000
2044	0.00	0.00	113.415	0.00	0.36	0.00	0.000	0.000	0.000
2045	0.00	0.00	113.054	0.00	0.36	0.00	0.000	0.000	0.000
2046	0.00	0.00	112.693	0.00	0.36	0.00	0.000	0.000	0.000
2047	0.00	0.00	112.331	0.00	0.36	0.00	0.000	0.000	0.000
2048	0.00	0.00	111.970	0.00	0.36	0.00	0.000	0.000	0.000
2049	0.00	0.00	111.609	0.00	0.36	0.00	0.000	0.000	0.000
2050	0.00	0.00	111.248	0.00	0.36	0.00	0.000	0.000	0.000
2051	0.00	0.00	110.886	0.00	0.36	0.00	0.000	0.000	0.000
2052	0.00	0.00	110.525	0.00	0.36	0.00	0.000	0.000	0.000

	Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
				Final FF Basin Volume:	1071.595			**Final Basin Soakpit Volume:**	142.500	
Checks	720.00	108.72		1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72		1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)		Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
2053	0.00	0.00		110.164	0.00	0.36	0.00	0.000	0.000	0.000
2054	0.00	0.00		109.803	0.00	0.36	0.00	0.000	0.000	0.000
2055	0.00	0.00		109.441	0.00	0.36	0.00	0.000	0.000	0.000
2056	0.00	0.00		109.080	0.00	0.36	0.00	0.000	0.000	0.000
2057	0.00	0.00		108.719	0.00	0.36	0.00	0.000	0.000	0.000
2058	0.00	0.00		108.358	0.00	0.36	0.00	0.000	0.000	0.000
2059	0.00	0.00		107.996	0.00	0.36	0.00	0.000	0.000	0.000
2060	0.00	0.00		107.635	0.00	0.36	0.00	0.000	0.000	0.000
2061	0.00	0.00		107.274	0.00	0.36	0.00	0.000	0.000	0.000
2062	0.00	0.00		106.913	0.00	0.36	0.00	0.000	0.000	0.000
2063	0.00	0.00		106.551	0.00	0.36	0.00	0.000	0.000	0.000
2064	0.00	0.00		106.190	0.00	0.36	0.00	0.000	0.000	0.000
2065	0.00	0.00		105.829	0.00	0.36	0.00	0.000	0.000	0.000
2066	0.00	0.00		105.468	0.00	0.36	0.00	0.000	0.000	0.000
2067	0.00	0.00		105.106	0.00	0.36	0.00	0.000	0.000	0.000
2068	0.00	0.00		104.745	0.00	0.36	0.00	0.000	0.000	0.000
2069	0.00	0.00		104.384	0.00	0.36	0.00	0.000	0.000	0.000
2070	0.00	0.00		104.023	0.00	0.36	0.00	0.000	0.000	0.000
2071	0.00	0.00		103.661	0.00	0.36	0.00	0.000	0.000	0.000
2072	0.00	0.00		103.300	0.00	0.36	0.00	0.000	0.000	0.000
2073	0.00	0.00		102.939	0.00	0.36	0.00	0.000	0.000	0.000
2074	0.00	0.00		102.578	0.00	0.36	0.00	0.000	0.000	0.000
2075	0.00	0.00		102.216	0.00	0.36	0.00	0.000	0.000	0.000
2076	0.00	0.00		101.855	0.00	0.36	0.00	0.000	0.000	0.000
2077	0.00	0.00		101.494	0.00	0.36	0.00	0.000	0.000	0.000
2078	0.00	0.00		101.133	0.00	0.36	0.00	0.000	0.000	0.000
2079	0.00	0.00		100.771	0.00	0.36	0.00	0.000	0.000	0.000
2080	0.00	0.00		100.410	0.00	0.36	0.00	0.000	0.000	0.000
2081	0.00	0.00		100.049	0.00	0.36	0.00	0.000	0.000	0.000
2082	0.00	0.00		99.688	0.00	0.36	0.00	0.000	0.000	0.000
2083	0.00	0.00		99.326	0.00	0.36	0.00	0.000	0.000	0.000
2084	0.00	0.00		98.965	0.00	0.36	0.00	0.000	0.000	0.000
2085	0.00	0.00		98.604	0.00	0.36	0.00	0.000	0.000	0.000
2086	0.00	0.00		98.243	0.00	0.36	0.00	0.000	0.000	0.000
2087	0.00	0.00		97.881	0.00	0.36	0.00	0.000	0.000	0.000
2088	0.00	0.00		97.520	0.00	0.36	0.00	0.000	0.000	0.000
2089	0.00	0.00		97.159	0.00	0.36	0.00	0.000	0.000	0.000
2090	0.00	0.00		96.798	0.00	0.36	0.00	0.000	0.000	0.000
2091	0.00	0.00		96.436	0.00	0.36	0.00	0.000	0.000	0.000
2092	0.00	0.00		96.075	0.00	0.36	0.00	0.000	0.000	0.000
2093	0.00	0.00		95.714	0.00	0.36	0.00	0.000	0.000	0.000
2094	0.00	0.00		95.353	0.00	0.36	0.00	0.000	0.000	0.000
2095	0.00	0.00		94.991	0.00	0.36	0.00	0.000	0.000	0.000
2096	0.00	0.00		94.630	0.00	0.36	0.00	0.000	0.000	0.000
2097	0.00	0.00		94.269	0.00	0.36	0.00	0.000	0.000	0.000
2098	0.00	0.00		93.908	0.00	0.36	0.00	0.000	0.000	0.000
2099	0.00	0.00		93.546	0.00	0.36	0.00	0.000	0.000	0.000
2100	0.00	0.00		93.185	0.00	0.36	0.00	0.000	0.000	0.000
2101	0.00	0.00		92.824	0.00	0.36	0.00	0.000	0.000	0.000
2102	0.00	0.00		92.463	0.00	0.36	0.00	0.000	0.000	0.000
2103	0.00	0.00		92.101	0.00	0.36	0.00	0.000	0.000	0.000
2104	0.00	0.00		91.740	0.00	0.36	0.00	0.000	0.000	0.000
2105	0.00	0.00		91.379	0.00	0.36	0.00	0.000	0.000	0.000
2106	0.00	0.00		91.018	0.00	0.36	0.00	0.000	0.000	0.000
2107	0.00	0.00		90.656	0.00	0.36	0.00	0.000	0.000	0.000
2108	0.00	0.00		90.295	0.00	0.36	0.00	0.000	0.000	0.000
2109	0.00	0.00		89.934	0.00	0.36	0.00	0.000	0.000	0.000
2110	0.00	0.00		89.573	0.00	0.36	0.00	0.000	0.000	0.000
2111	0.00	0.00		89.211	0.00	0.36	0.00	0.000	0.000	0.000
2112	0.00	0.00		88.850	0.00	0.36	0.00	0.000	0.000	0.000
2113	0.00	0.00		88.489	0.00	0.36	0.00	0.000	0.000	0.000
2114	0.00	0.00		88.128	0.00	0.36	0.00	0.000	0.000	0.000
2115	0.00	0.00		87.766	0.00	0.36	0.00	0.000	0.000	0.000
2116	0.00	0.00		87.405	0.00	0.36	0.00	0.000	0.000	0.000
2117	0.00	0.00		87.044	0.00	0.36	0.00	0.000	0.000	0.000
2118	0.00	0.00		86.683	0.00	0.36	0.00	0.000	0.000	0.000
2119	0.00	0.00		86.321	0.00	0.36	0.00	0.000	0.000	0.000
2120	0.00	0.00		85.960	0.00	0.36	0.00	0.000	0.000	0.000
2121	0.00	0.00		85.599	0.00	0.36	0.00	0.000	0.000	0.000
2122	0.00	0.00		85.238	0.00	0.36	0.00	0.000	0.000	0.000
2123	0.00	0.00		84.876	0.00	0.36	0.00	0.000	0.000	0.000
2124	0.00	0.00		84.515	0.00	0.36	0.00	0.000	0.000	0.000
2125	0.00	0.00		84.154	0.00	0.36	0.00	0.000	0.000	0.000
2126	0.00	0.00		83.793	0.00	0.36	0.00	0.000	0.000	0.000
2127	0.00	0.00		83.431	0.00	0.36	0.00	0.000	0.000	0.000
2128	0.00	0.00		83.070	0.00	0.36	0.00	0.000	0.000	0.000
2129	0.00	0.00		82.709	0.00	0.36	0.00	0.000	0.000	0.000
2130	0.00	0.00		82.348	0.00	0.36	0.00	0.000	0.000	0.000
2131	0.00	0.00		81.986	0.00	0.36	0.00	0.000	0.000	0.000
2132	0.00	0.00		81.625	0.00	0.36	0.00	0.000	0.000	0.000
2133	0.00	0.00		81.264	0.00	0.36	0.00	0.000	0.000	0.000
2134	0.00	0.00		80.903	0.00	0.36	0.00	0.000	0.000	0.000
2135	0.00	0.00		80.541	0.00	0.36	0.00	0.000	0.000	0.000
2136	0.00	0.00		80.180	0.00	0.36	0.00	0.000	0.000	0.000
2137	0.00	0.00		79.819	0.00	0.36	0.00	0.000	0.000	0.000
2138	0.00	0.00		79.458	0.00	0.36	0.00	0.000	0.000	0.000
2139	0.00	0.00		79.096	0.00	0.36	0.00	0.000	0.000	0.000
2140	0.00	0.00		78.735	0.00	0.36	0.00	0.000	0.000	0.000
2141	0.00	0.00		78.374	0.00	0.36	0.00	0.000	0.000	0.000
2142	0.00	0.00		78.013	0.00	0.36	0.00	0.000	0.000	0.000
2143	0.00	0.00		77.651	0.00	0.36	0.00	0.000	0.000	0.000
2144	0.00	0.00		77.290	0.00	0.36	0.00	0.000	0.000	0.000
2145	0.00	0.00		76.929	0.00	0.36	0.00	0.000	0.000	0.000
2146	0.00	0.00		76.568	0.00	0.36	0.00	0.000	0.000	0.000
2147	0.00	0.00		76.206	0.00	0.36	0.00	0.000	0.000	0.000
2148	0.00	0.00		75.845	0.00	0.36	0.00	0.000	0.000	0.000
2149	0.00	0.00		75.484	0.00	0.36	0.00	0.000	0.000	0.000
2150	0.00	0.00		75.123	0.00	0.36	0.00	0.000	0.000	0.000
2151	0.00	0.00		74.761	0.00	0.36	0.00	0.000	0.000	0.000
2152	0.00	0.00		74.400	0.00	0.36	0.00	0.000	0.000	0.000
2153	0.00	0.00		74.039	0.00	0.36	0.00	0.000	0.000	0.000
2154	0.00	0.00		73.678	0.00	0.36	0.00	0.000	0.000	0.000
2155	0.00	0.00		73.316	0.00	0.36	0.00	0.000	0.000	0.000

	Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
				Final FF Basin Volume:	**1071.595**			**Final Basin Soakpit Volume:**	**142.500**	
Checks	720.00	108.72		1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72		1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)		Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
2156	0.00	0.00		72.955	0.00	0.36	0.00	0.000	0.000	0.000
2157	0.00	0.00		72.594	0.00	0.36	0.00	0.000	0.000	0.000
2158	0.00	0.00		72.233	0.00	0.36	0.00	0.000	0.000	0.000
2159	0.00	0.00		71.871	0.00	0.36	0.00	0.000	0.000	0.000
2160	0.00	0.00		71.510	0.00	0.36	0.00	0.000	0.000	0.000
2161	0.00	0.00		71.149	0.00	0.36	0.00	0.000	0.000	0.000
2162	0.00	0.00		70.788	0.00	0.36	0.00	0.000	0.000	0.000
2163	0.00	0.00		70.426	0.00	0.36	0.00	0.000	0.000	0.000
2164	0.00	0.00		70.065	0.00	0.36	0.00	0.000	0.000	0.000
2165	0.00	0.00		69.704	0.00	0.36	0.00	0.000	0.000	0.000
2166	0.00	0.00		69.343	0.00	0.36	0.00	0.000	0.000	0.000
2167	0.00	0.00		68.981	0.00	0.36	0.00	0.000	0.000	0.000
2168	0.00	0.00		68.620	0.00	0.36	0.00	0.000	0.000	0.000
2169	0.00	0.00		68.259	0.00	0.36	0.00	0.000	0.000	0.000
2170	0.00	0.00		67.898	0.00	0.36	0.00	0.000	0.000	0.000
2171	0.00	0.00		67.536	0.00	0.36	0.00	0.000	0.000	0.000
2172	0.00	0.00		67.175	0.00	0.36	0.00	0.000	0.000	0.000
2173	0.00	0.00		66.814	0.00	0.36	0.00	0.000	0.000	0.000
2174	0.00	0.00		66.453	0.00	0.36	0.00	0.000	0.000	0.000
2175	0.00	0.00		66.091	0.00	0.36	0.00	0.000	0.000	0.000
2176	0.00	0.00		65.730	0.00	0.36	0.00	0.000	0.000	0.000
2177	0.00	0.00		65.369	0.00	0.36	0.00	0.000	0.000	0.000
2178	0.00	0.00		65.008	0.00	0.36	0.00	0.000	0.000	0.000
2179	0.00	0.00		64.646	0.00	0.36	0.00	0.000	0.000	0.000
2180	0.00	0.00		64.285	0.00	0.36	0.00	0.000	0.000	0.000
2181	0.00	0.00		63.924	0.00	0.36	0.00	0.000	0.000	0.000
2182	0.00	0.00		63.563	0.00	0.36	0.00	0.000	0.000	0.000
2183	0.00	0.00		63.201	0.00	0.36	0.00	0.000	0.000	0.000
2184	0.00	0.00		62.840	0.00	0.36	0.00	0.000	0.000	0.000
2185	0.00	0.00		62.479	0.00	0.36	0.00	0.000	0.000	0.000
2186	0.00	0.00		62.118	0.00	0.36	0.00	0.000	0.000	0.000
2187	0.00	0.00		61.756	0.00	0.36	0.00	0.000	0.000	0.000
2188	0.00	0.00		61.395	0.00	0.36	0.00	0.000	0.000	0.000
2189	0.00	0.00		61.034	0.00	0.36	0.00	0.000	0.000	0.000
2190	0.00	0.00		60.673	0.00	0.36	0.00	0.000	0.000	0.000
2191	0.00	0.00		60.311	0.00	0.36	0.00	0.000	0.000	0.000
2192	0.00	0.00		59.950	0.00	0.36	0.00	0.000	0.000	0.000
2193	0.00	0.00		59.589	0.00	0.36	0.00	0.000	0.000	0.000
2194	0.00	0.00		59.228	0.00	0.36	0.00	0.000	0.000	0.000
2195	0.00	0.00		58.866	0.00	0.36	0.00	0.000	0.000	0.000
2196	0.00	0.00		58.505	0.00	0.36	0.00	0.000	0.000	0.000
2197	0.00	0.00		58.144	0.00	0.36	0.00	0.000	0.000	0.000
2198	0.00	0.00		57.783	0.00	0.36	0.00	0.000	0.000	0.000
2199	0.00	0.00		57.421	0.00	0.36	0.00	0.000	0.000	0.000
2200	0.00	0.00		57.060	0.00	0.36	0.00	0.000	0.000	0.000
2201	0.00	0.00		56.699	0.00	0.36	0.00	0.000	0.000	0.000
2202	0.00	0.00		56.338	0.00	0.36	0.00	0.000	0.000	0.000
2203	0.00	0.00		55.976	0.00	0.36	0.00	0.000	0.000	0.000
2204	0.00	0.00		55.615	0.00	0.36	0.00	0.000	0.000	0.000
2205	0.00	0.00		55.254	0.00	0.36	0.00	0.000	0.000	0.000
2206	0.00	0.00		54.893	0.00	0.36	0.00	0.000	0.000	0.000
2207	0.00	0.00		54.531	0.00	0.36	0.00	0.000	0.000	0.000
2208	0.00	0.00		54.170	0.00	0.36	0.00	0.000	0.000	0.000
2209	0.00	0.00		53.809	0.00	0.36	0.00	0.000	0.000	0.000
2210	0.00	0.00		53.448	0.00	0.36	0.00	0.000	0.000	0.000
2211	0.00	0.00		53.086	0.00	0.36	0.00	0.000	0.000	0.000
2212	0.00	0.00		52.725	0.00	0.36	0.00	0.000	0.000	0.000
2213	0.00	0.00		52.364	0.00	0.36	0.00	0.000	0.000	0.000
2214	0.00	0.00		52.003	0.00	0.36	0.00	0.000	0.000	0.000
2215	0.00	0.00		51.641	0.00	0.36	0.00	0.000	0.000	0.000
2216	0.00	0.00		51.280	0.00	0.36	0.00	0.000	0.000	0.000
2217	0.00	0.00		50.919	0.00	0.36	0.00	0.000	0.000	0.000
2218	0.00	0.00		50.558	0.00	0.36	0.00	0.000	0.000	0.000
2219	0.00	0.00		50.196	0.00	0.36	0.00	0.000	0.000	0.000
2220	0.00	0.00		49.835	0.00	0.36	0.00	0.000	0.000	0.000
2221	0.00	0.00		49.474	0.00	0.36	0.00	0.000	0.000	0.000
2222	0.00	0.00		49.113	0.00	0.36	0.00	0.000	0.000	0.000
2223	0.00	0.00		48.751	0.00	0.36	0.00	0.000	0.000	0.000
2224	2.00	0.00		48.390	0.00	0.36	0.00	0.000	0.000	0.000
2225	0.00	0.00		48.029	0.00	0.36	0.00	0.000	0.000	0.000
2226	0.00	0.00		47.668	0.00	0.36	0.00	0.000	0.000	0.000
2227	0.00	0.00		47.306	0.00	0.36	0.00	0.000	0.000	0.000
2228	0.00	0.00		46.945	0.00	0.36	0.00	0.000	0.000	0.000
2229	0.00	0.00		46.584	0.00	0.36	0.00	0.000	0.000	0.000
2230	0.00	0.00		46.223	0.00	0.36	0.00	0.000	0.000	0.000
2231	0.00	0.00		45.861	0.00	0.36	0.00	0.000	0.000	0.000
2232	0.00	0.00		45.500	0.00	0.36	0.00	0.000	0.000	0.000
2233	0.00	0.00		45.139	0.00	0.36	0.00	0.000	0.000	0.000
2234	0.00	0.00		44.778	0.00	0.36	0.00	0.000	0.000	0.000
2235	0.00	0.00		44.416	0.00	0.36	0.00	0.000	0.000	0.000
2236	0.00	0.00		44.055	0.00	0.36	0.00	0.000	0.000	0.000
2237	0.00	0.00		43.694	0.00	0.36	0.00	0.000	0.000	0.000
2238	0.00	0.00		43.333	0.00	0.36	0.00	0.000	0.000	0.000
2239	0.00	0.00		42.971	0.00	0.36	0.00	0.000	0.000	0.000
2240	0.00	0.00		42.610	0.00	0.36	0.00	0.000	0.000	0.000
2241	0.00	0.00		42.249	0.00	0.36	0.00	0.000	0.000	0.000
2242	0.00	0.00		41.888	0.00	0.36	0.00	0.000	0.000	0.000
2243	0.00	0.00		41.526	0.00	0.36	0.00	0.000	0.000	0.000
2244	0.00	0.00		41.165	0.00	0.36	0.00	0.000	0.000	0.000
2245	0.00	0.00		40.804	0.00	0.36	0.00	0.000	0.000	0.000
2246	0.00	0.00		40.443	0.00	0.36	0.00	0.000	0.000	0.000
2247	0.00	0.00		40.081	0.00	0.36	0.00	0.000	0.000	0.000
2248	0.00	0.00		39.720	0.00	0.36	0.00	0.000	0.000	0.000
2249	0.00	0.00		39.359	0.00	0.36	0.00	0.000	0.000	0.000
2250	0.00	0.00		38.998	0.00	0.36	0.00	0.000	0.000	0.000
2251	0.00	0.00		38.636	0.00	0.36	0.00	0.000	0.000	0.000
2252	0.00	0.00		38.275	0.00	0.36	0.00	0.000	0.000	0.000
2253	0.00	0.00		37.914	0.00	0.36	0.00	0.000	0.000	0.000
2254	0.00	0.00		37.553	0.00	0.36	0.00	0.000	0.000	0.000
2255	0.00	0.00		37.191	0.00	0.36	0.00	0.000	0.000	0.000
2256	0.00	0.00		36.830	0.00	0.36	0.00	0.000	0.000	0.000
2257	0.00	0.00		36.469	0.00	0.36	0.00	0.000	0.000	0.000
2258	0.00	0.00		36.108	0.00	0.36	0.00	0.000	0.000	0.000

	Set up Design Storm		Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	1071.595			Final Basin Soakpit Volume:	142.500	
Checks	720.00	108.72	1521.20	1966.82	254.26		142.50	498.47	
Summary	2.00	108.72	1123.72	1966.82	845.61		142.50	1121.21	671.46
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
2259	0.00	0.00	35.746	0.00	0.36	0.00	0.000	0.000	0.000
2260	0.00	0.00	35.385	0.00	0.36	0.00	0.000	0.000	0.000
2261	0.00	0.00	35.024	0.00	0.36	0.00	0.000	0.000	0.000
2262	0.00	0.00	34.663	0.00	0.36	0.00	0.000	0.000	0.000
2263	0.00	0.00	34.301	0.00	0.36	0.00	0.000	0.000	0.000
2264	0.00	0.00	33.940	0.00	0.36	0.00	0.000	0.000	0.000
2265	0.00	0.00	33.579	0.00	0.36	0.00	0.000	0.000	0.000
2266	0.00	0.00	33.218	0.00	0.36	0.00	0.000	0.000	0.000
2267	0.00	0.00	32.856	0.00	0.36	0.00	0.000	0.000	0.000
2268	0.00	0.00	32.495	0.00	0.36	0.00	0.000	0.000	0.000
2269	0.00	0.00	32.134	0.00	0.36	0.00	0.000	0.000	0.000
2270	0.00	0.00	31.773	0.00	0.36	0.00	0.000	0.000	0.000
2271	0.00	0.00	31.411	0.00	0.36	0.00	0.000	0.000	0.000
2272	0.00	0.00	31.050	0.00	0.36	0.00	0.000	0.000	0.000
2273	0.00	0.00	30.689	0.00	0.36	0.00	0.000	0.000	0.000
2274	0.00	0.00	30.328	0.00	0.36	0.00	0.000	0.000	0.000
2275	0.00	0.00	29.966	0.00	0.36	0.00	0.000	0.000	0.000
2276	0.00	0.00	29.605	0.00	0.36	0.00	0.000	0.000	0.000
2277	0.00	0.00	29.244	0.00	0.36	0.00	0.000	0.000	0.000
2278	0.00	0.00	28.883	0.00	0.36	0.00	0.000	0.000	0.000
2279	0.00	0.00	28.521	0.00	0.36	0.00	0.000	0.000	0.000
2280	0.00	0.00	28.160	0.00	0.36	0.00	0.000	0.000	0.000
2281	0.00	0.00	27.799	0.00	0.36	0.00	0.000	0.000	0.000
2282	0.00	0.00	27.438	0.00	0.36	0.00	0.000	0.000	0.000
2283	0.00	0.00	27.076	0.00	0.36	0.00	0.000	0.000	0.000
2284	0.00	0.00	26.715	0.00	0.36	0.00	0.000	0.000	0.000
2285	0.00	0.00	26.354	0.00	0.36	0.00	0.000	0.000	0.000
2286	0.00	0.00	25.993	0.00	0.36	0.00	0.000	0.000	0.000
2287	0.00	0.00	25.631	0.00	0.36	0.00	0.000	0.000	0.000
2288	0.00	0.00	25.270	0.00	0.36	0.00	0.000	0.000	0.000
2289	0.00	0.00	24.909	0.00	0.36	0.00	0.000	0.000	0.000
2290	0.00	0.00	24.548	0.00	0.36	0.00	0.000	0.000	0.000
2291	0.00	0.00	24.186	0.00	0.36	0.00	0.000	0.000	0.000
2292	0.00	0.00	23.825	0.00	0.36	0.00	0.000	0.000	0.000
2293	0.00	0.00	23.464	0.00	0.36	0.00	0.000	0.000	0.000
2294	0.00	0.00	23.103	0.00	0.36	0.00	0.000	0.000	0.000
2295	0.00	0.00	22.741	0.00	0.36	0.00	0.000	0.000	0.000
2296	0.00	0.00	22.380	0.00	0.36	0.00	0.000	0.000	0.000
2297	0.00	0.00	22.019	0.00	0.36	0.00	0.000	0.000	0.000
2298	0.00	0.00	21.658	0.00	0.36	0.00	0.000	0.000	0.000
2299	0.00	0.00	21.296	0.00	0.36	0.00	0.000	0.000	0.000
2300	0.00	0.00	20.935	0.00	0.36	0.00	0.000	0.000	0.000
2301	0.00	0.00	20.574	0.00	0.36	0.00	0.000	0.000	0.000
2302	0.00	0.00	20.213	0.00	0.36	0.00	0.000	0.000	0.000
2303	0.00	0.00	19.851	0.00	0.36	0.00	0.000	0.000	0.000
2304	0.00	0.00	19.490	0.00	0.36	0.00	0.000	0.000	0.000
2305	0.00	0.00	19.129	0.00	0.36	0.00	0.000	0.000	0.000
2306	0.00	0.00	18.768	0.00	0.36	0.00	0.000	0.000	0.000
2307	0.00	0.00	18.406	0.00	0.36	0.00	0.000	0.000	0.000
2308	0.00	0.00	18.045	0.00	0.36	0.00	0.000	0.000	0.000
2309	0.00	0.00	17.684	0.00	0.36	0.00	0.000	0.000	0.000
2310	0.00	0.00	17.323	0.00	0.36	0.00	0.000	0.000	0.000
2311	0.00	0.00	16.961	0.00	0.36	0.00	0.000	0.000	0.000
2312	0.00	0.00	16.600	0.00	0.36	0.00	0.000	0.000	0.000
2313	0.00	0.00	16.239	0.00	0.36	0.00	0.000	0.000	0.000
2314	0.00	0.00	15.878	0.00	0.36	0.00	0.000	0.000	0.000
2315	0.00	0.00	15.516	0.00	0.36	0.00	0.000	0.000	0.000
2316	0.00	0.00	15.155	0.00	0.36	0.00	0.000	0.000	0.000
2317	0.00	0.00	14.794	0.00	0.36	0.00	0.000	0.000	0.000
2318	0.00	0.00	14.433	0.00	0.36	0.00	0.000	0.000	0.000
2319	0.00	0.00	14.071	0.00	0.36	0.00	0.000	0.000	0.000
2320	0.00	0.00	13.710	0.00	0.36	0.00	0.000	0.000	0.000
2321	0.00	0.00	13.349	0.00	0.36	0.00	0.000	0.000	0.000
2322	0.00	0.00	12.988	0.00	0.36	0.00	0.000	0.000	0.000
2323	0.00	0.00	12.626	0.00	0.36	0.00	0.000	0.000	0.000
2324	0.00	0.00	12.265	0.00	0.36	0.00	0.000	0.000	0.000
2325	0.00	0.00	11.904	0.00	0.36	0.00	0.000	0.000	0.000
2326	0.00	0.00	11.543	0.00	0.36	0.00	0.000	0.000	0.000
2327	0.00	0.00	11.181	0.00	0.36	0.00	0.000	0.000	0.000
2328	0.00	0.00	10.820	0.00	0.36	0.00	0.000	0.000	0.000
2329	0.00	0.00	10.459	0.00	0.36	0.00	0.000	0.000	0.000
2330	0.00	0.00	10.098	0.00	0.36	0.00	0.000	0.000	0.000
2331	0.00	0.00	9.736	0.00	0.36	0.00	0.000	0.000	0.000
2332	0.00	0.00	9.375	0.00	0.36	0.00	0.000	0.000	0.000
2333	0.00	0.00	9.014	0.00	0.36	0.00	0.000	0.000	0.000
2334	0.00	0.00	8.653	0.00	0.36	0.00	0.000	0.000	0.000
2335	0.00	0.00	8.291	0.00	0.36	0.00	0.000	0.000	0.000
2336	0.00	0.00	7.930	0.00	0.36	0.00	0.000	0.000	0.000
2337	0.00	0.00	7.569	0.00	0.36	0.00	0.000	0.000	0.000
2338	0.00	0.00	7.208	0.00	0.36	0.00	0.000	0.000	0.000
2339	0.00	0.00	6.846	0.00	0.36	0.00	0.000	0.000	0.000
2340	0.00	0.00	6.485	0.00	0.36	0.00	0.000	0.000	0.000
2341	0.00	0.00	6.124	0.00	0.36	0.00	0.000	0.000	0.000
2342	0.00	0.00	5.763	0.00	0.36	0.00	0.000	0.000	0.000
2343	0.00	0.00	5.401	0.00	0.36	0.00	0.000	0.000	0.000
2344	0.00	0.00	5.040	0.00	0.36	0.00	0.000	0.000	0.000
2345	0.00	0.00	4.679	0.00	0.36	0.00	0.000	0.000	0.000
2346	0.00	0.00	4.318	0.00	0.36	0.00	0.000	0.000	0.000
2347	0.00	0.00	3.956	0.00	0.36	0.00	0.000	0.000	0.000
2348	0.00	0.00	3.595	0.00	0.36	0.00	0.000	0.000	0.000
2349	0.00	0.00	3.234	0.00	0.36	0.00	0.000	0.000	0.000
2350	0.00	0.00	2.873	0.00	0.36	0.00	0.000	0.000	0.000
2351	0.00	0.00	2.511	0.00	0.36	0.00	0.000	0.000	0.000
2352	0.00	0.00	2.150	0.00	0.36	0.00	0.000	0.000	0.000
2353	0.00	0.00	1.789	0.00	0.36	0.00	0.000	0.000	0.000
2354	0.00	0.00	1.428	0.00	0.36	0.00	0.000	0.000	0.000
2355	0.00	0.00	1.066	0.00	0.36	0.00	0.000	0.000	0.000
2356	0.00	0.00	0.705	0.00	0.36	0.00	0.000	0.000	0.000
2357	0.00	0.00	0.344	0.00	0.34	0.00	0.000	0.000	0.000
2358	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2359	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2360	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2361	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000

Stormwater Infrastructure Design

Client Name:	Carter Group Limited	
Job Name:	104 Ryans Road	
Scenario / Description:	Southern SMA: Infiltration Basin and Soak Pit Sizing	
Date:	21/01/2025	

Job Number:	C052850001	
Prepared By:	Cameron Swales and Oliver Saunders	
Checked By:	Eoghan O'Neill	
Version No.:	1	

Step 1: Characterise Site
Hardstand & Greenspace Areas - Route to FF Basin

Site Area	45430	m^2
Composite First Flush Coefficient	0.67	#

First Flush Basin Size
First Flush Design Event

Rainfall Depth	25	mm
First Flush Runoff Volume (WQV)	761.0	m^3

FF Basin Dimensions

Top Length	44	m
Top Width	43	m
Total Depth	3	m
Freeboard Depth	0.3	m
Depth to Overflow	2.7	m
Side Slopes	4	H : V
Total Volume	3120.0	m^3
Basin Volume (total less freeboard)	2583.1	m^3
Available Volume	1822.2	m^3

FF Basin Infiltration

Infiltration Rate	75	mm/hr
Base Infiltration	0.475	m^3/min
Base Area	380	m^2
Drain Time (full use of available WQV)	90.6	hrs

Basin Overflow Soakpit Size
Basin Soakpit Dimensions

Depth	3	m
Base Area	190	m^2
Void Ratio	0.38	#
Soakpit Volume	216.6	m^3

Basin Soakpit Infiltration

Infiltration Rate	600	mm/hr
Discharge Rate	1.900	m^3/min

Basin Soakpit Design Event

	Rainfall intensities (mm/hr) :: RCP8.5 for the period 2081-2100										
Scenario											
ARI	50										
	10m	20m	30m	1h	2h	6h	12h	24h	48h	72h	Critical Event
						CRITICAL					
Storm Duration (min):	10	20	30	60	120	360	720	1440	2880	4320	360
Average Intensity (mm/hr):	98.80	66.90	53.70	37.30	25.80	13.80	9.06	5.73	3.51	2.58	13.80
[Output] Peak Basin Volume (m^3):	492.39	660.15	760.95	760.95	942.05	1297.77	1242.81	760.95	760.95	760.95	1297.77
[Output] Misc. Checks Error Log:	None	None	None	None	None	None	None	None	None	None	No Errors Found
								1 day	2 days	3 days	

Summary:
Critical Storm Summary

TOTAL RAINFALL VOLUME	2520.27	m^3
Excess volume peak	1041.18	m^3
WQV - spare	781.01	m^3
FF Basin Drain Down Time	63.23	hrs

Inputs Summary

Storm Duration:	360	min
Average Intensity:	13.80	mm/hr
Peak Volume:	1802.13	m³
Desired Accuracy:	2	# of dp's

Date: 21/01/2025
By: Cameron Swales & Oliver Saunders
Reviewed: Eoghan O'Neill

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1779.174**			**Final Basin Soakpit Volume:**	**216.600**	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
0	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
1	0.01	0.00	0.000	0.06	0.06	0.00	0.000	0.000	0.000
2	0.02	0.00	0.000	0.11	0.11	0.00	0.000	0.000	0.000
3	0.02	0.01	0.000	0.17	0.17	0.00	0.000	0.000	0.000
4	0.03	0.01	0.000	0.22	0.22	0.00	0.000	0.000	0.000
5	0.04	0.01	0.000	0.28	0.28	0.00	0.000	0.000	0.000
6	0.05	0.01	0.000	0.33	0.33	0.00	0.000	0.000	0.000
7	0.06	0.01	0.000	0.39	0.39	0.00	0.000	0.000	0.000
8	0.06	0.01	0.000	0.44	0.44	0.00	0.000	0.000	0.000
9	0.07	0.02	0.000	0.50	0.48	0.00	0.000	0.000	0.000
10	0.08	0.02	0.025	0.56	0.48	0.00	0.000	0.000	0.000
11	0.09	0.02	0.106	0.61	0.48	0.00	0.000	0.000	0.000
12	0.10	0.02	0.242	0.67	0.48	0.00	0.000	0.000	0.000
13	0.10	0.02	0.434	0.72	0.48	0.00	0.000	0.000	0.000
14	0.11	0.03	0.681	0.78	0.48	0.00	0.000	0.000	0.000
15	0.12	0.03	0.984	0.83	0.48	0.00	0.000	0.000	0.000
16	0.13	0.03	1.342	0.89	0.48	0.00	0.000	0.000	0.000
17	0.13	0.03	1.756	0.94	0.48	0.00	0.000	0.000	0.000
18	0.14	0.03	2.226	1.00	0.48	0.00	0.000	0.000	0.000
19	0.15	0.03	2.751	1.06	0.48	0.00	0.000	0.000	0.000
20	0.16	0.04	3.331	1.11	0.48	0.00	0.000	0.000	0.000
21	0.17	0.04	3.968	1.17	0.48	0.00	0.000	0.000	0.000
22	0.17	0.04	4.660	1.22	0.48	0.00	0.000	0.000	0.000
23	0.18	0.04	5.407	1.28	0.48	0.00	0.000	0.000	0.000
24	0.19	0.04	6.210	1.33	0.48	0.00	0.000	0.000	0.000
25	0.20	0.05	7.068	1.39	0.48	0.00	0.000	0.000	0.000
26	0.21	0.05	7.982	1.44	0.48	0.00	0.000	0.000	0.000
27	0.21	0.05	8.952	1.50	0.48	0.00	0.000	0.000	0.000
28	0.22	0.05	9.977	1.56	0.48	0.00	0.000	0.000	0.000
29	0.23	0.05	11.058	1.61	0.48	0.00	0.000	0.000	0.000
30	0.24	0.05	12.194	1.67	0.48	0.00	0.000	0.000	0.000
31	0.25	0.06	13.386	1.72	0.48	0.00	0.000	0.000	0.000
32	0.25	0.06	14.633	1.78	0.48	0.00	0.000	0.000	0.000
33	0.26	0.06	15.936	1.83	0.48	0.00	0.000	0.000	0.000
34	0.27	0.06	17.295	1.89	0.48	0.00	0.000	0.000	0.000
35	0.28	0.06	18.709	1.94	0.48	0.00	0.000	0.000	0.000
36	0.29	0.07	20.179	2.00	0.48	0.00	0.000	0.000	0.000
37	0.29	0.07	21.704	2.06	0.48	0.00	0.000	0.000	0.000
38	0.30	0.07	23.285	2.11	0.48	0.00	0.000	0.000	0.000
39	0.31	0.07	24.921	2.17	0.48	0.00	0.000	0.000	0.000
40	0.32	0.07	26.613	2.22	0.48	0.00	0.000	0.000	0.000
41	0.33	0.07	28.360	2.28	0.48	0.00	0.000	0.000	0.000
42	0.33	0.08	30.163	2.33	0.48	0.00	0.000	0.000	0.000
43	0.34	0.08	32.022	2.39	0.48	0.00	0.000	0.000	0.000
44	0.35	0.08	33.936	2.44	0.48	0.00	0.000	0.000	0.000
45	0.36	0.08	35.906	2.50	0.48	0.00	0.000	0.000	0.000
46	0.37	0.08	37.931	2.56	0.48	0.00	0.000	0.000	0.000
47	0.37	0.09	40.012	2.61	0.48	0.00	0.000	0.000	0.000
48	0.38	0.09	42.148	2.67	0.48	0.00	0.000	0.000	0.000
49	0.39	0.09	44.340	2.72	0.48	0.00	0.000	0.000	0.000
50	0.40	0.09	46.588	2.78	0.48	0.00	0.000	0.000	0.000
51	0.40	0.09	48.891	2.83	0.48	0.00	0.000	0.000	0.000
52	0.41	0.09	51.249	2.89	0.48	0.00	0.000	0.000	0.000
53	0.42	0.10	53.664	2.94	0.48	0.00	0.000	0.000	0.000
54	0.43	0.10	56.133	3.00	0.48	0.00	0.000	0.000	0.000
55	0.44	0.10	58.659	3.06	0.48	0.00	0.000	0.000	0.000
56	0.44	0.10	61.240	3.11	0.48	0.00	0.000	0.000	0.000
57	0.45	0.10	63.876	3.17	0.48	0.00	0.000	0.000	0.000
58	0.46	0.11	66.568	3.22	0.48	0.00	0.000	0.000	0.000
59	0.47	0.11	69.316	3.28	0.48	0.00	0.000	0.000	0.000
60	0.48	0.11	72.119	3.33	0.48	0.00	0.000	0.000	0.000
61	0.48	0.11	74.978	3.39	0.48	0.00	0.000	0.000	0.000
62	0.49	0.11	77.892	3.44	0.48	0.00	0.000	0.000	0.000
63	0.50	0.12	80.862	3.50	0.48	0.00	0.000	0.000	0.000
64	0.51	0.12	83.887	3.56	0.48	0.00	0.000	0.000	0.000
65	0.52	0.12	86.968	3.61	0.48	0.00	0.000	0.000	0.000
66	0.52	0.12	90.104	3.67	0.48	0.00	0.000	0.000	0.000
67	0.53	0.12	93.297	3.72	0.48	0.00	0.000	0.000	0.000
68	0.54	0.12	96.544	3.78	0.48	0.00	0.000	0.000	0.000
69	0.55	0.13	99.847	3.83	0.48	0.00	0.000	0.000	0.000
70	0.56	0.13	103.206	3.89	0.48	0.00	0.000	0.000	0.000
71	0.56	0.13	106.620	3.94	0.48	0.00	0.000	0.000	0.000
72	0.57	0.13	110.090	4.00	0.48	0.00	0.000	0.000	0.000
73	0.58	0.13	113.616	4.06	0.48	0.00	0.000	0.000	0.000
74	0.59	0.14	117.197	4.11	0.48	0.00	0.000	0.000	0.000
75	0.60	0.14	120.833	4.17	0.48	0.00	0.000	0.000	0.000
76	0.60	0.14	124.525	4.22	0.48	0.00	0.000	0.000	0.000
77	0.61	0.14	128.273	4.28	0.48	0.00	0.000	0.000	0.000
78	0.62	0.14	132.076	4.33	0.48	0.00	0.000	0.000	0.000
79	0.63	0.14	135.935	4.39	0.48	0.00	0.000	0.000	0.000
80	0.63	0.15	139.849	4.44	0.48	0.00	0.000	0.000	0.000
81	0.64	0.15	143.819	4.50	0.48	0.00	0.000	0.000	0.000
82	0.65	0.15	147.845	4.56	0.48	0.00	0.000	0.000	0.000
83	0.66	0.15	151.926	4.61	0.48	0.00	0.000	0.000	0.000
84	0.67	0.15	156.063	4.67	0.48	0.00	0.000	0.000	0.000
85	0.67	0.16	160.255	4.72	0.48	0.00	0.000	0.000	0.000
86	0.68	0.16	164.502	4.78	0.48	0.00	0.000	0.000	0.000
87	0.69	0.16	168.806	4.83	0.48	0.00	0.000	0.000	0.000
88	0.70	0.16	173.165	4.89	0.48	0.00	0.000	0.000	0.000
89	0.71	0.16	177.579	4.94	0.48	0.00	0.000	0.000	0.000
90	0.71	0.16	182.049	5.00	0.48	0.00	0.000	0.000	0.000
91	0.72	0.17	186.575	5.06	0.48	0.00	0.000	0.000	0.000
92	0.73	0.17	191.156	5.11	0.48	0.00	0.000	0.000	0.000
93	0.74	0.17	195.792	5.17	0.48	0.00	0.000	0.000	0.000
94	0.75	0.17	200.485	5.22	0.48	0.00	0.000	0.000	0.000
95	0.75	0.17	205.232	5.28	0.48	0.00	0.000	0.000	0.000

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	**1779.174**			**Final Basin Soakpit Volume:**	**216.600**	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
96	0.76	0.18	210.036	5.33	0.48	0.00	0.000	0.000	0.000
97	0.77	0.18	214.895	5.39	0.48	0.00	0.000	0.000	0.000
98	0.78	0.18	219.809	5.45	0.48	0.00	0.000	0.000	0.000
99	0.79	0.18	224.779	5.50	0.48	0.00	0.000	0.000	0.000
100	0.79	0.18	229.805	5.56	0.48	0.00	0.000	0.000	0.000
101	0.80	0.18	234.886	5.61	0.48	0.00	0.000	0.000	0.000
102	0.81	0.19	240.023	5.67	0.48	0.00	0.000	0.000	0.000
103	0.82	0.19	245.215	5.72	0.48	0.00	0.000	0.000	0.000
104	0.83	0.19	250.463	5.78	0.48	0.00	0.000	0.000	0.000
105	0.83	0.19	255.766	5.83	0.48	0.00	0.000	0.000	0.000
106	0.84	0.19	261.125	5.89	0.48	0.00	0.000	0.000	0.000
107	0.85	0.20	266.540	5.95	0.48	0.00	0.000	0.000	0.000
108	0.86	0.20	272.010	6.00	0.48	0.00	0.000	0.000	0.000
109	0.87	0.20	277.535	6.06	0.48	0.00	0.000	0.000	0.000
110	0.87	0.20	283.117	6.11	0.48	0.00	0.000	0.000	0.000
111	0.88	0.20	288.753	6.17	0.48	0.00	0.000	0.000	0.000
112	0.89	0.20	294.446	6.22	0.48	0.00	0.000	0.000	0.000
113	0.90	0.21	300.194	6.28	0.48	0.00	0.000	0.000	0.000
114	0.90	0.21	305.997	6.33	0.48	0.00	0.000	0.000	0.000
115	0.91	0.21	311.856	6.39	0.48	0.00	0.000	0.000	0.000
116	0.92	0.21	317.771	6.45	0.48	0.00	0.000	0.000	0.000
117	0.93	0.21	323.741	6.50	0.48	0.00	0.000	0.000	0.000
118	0.94	0.22	329.767	6.56	0.48	0.00	0.000	0.000	0.000
119	0.94	0.22	335.848	6.61	0.48	0.00	0.000	0.000	0.000
120	0.95	0.22	341.985	6.67	0.48	0.00	0.000	0.000	0.000
121	0.96	0.22	348.177	6.72	0.48	0.00	0.000	0.000	0.000
122	0.97	0.22	354.425	6.78	0.48	0.00	0.000	0.000	0.000
123	0.98	0.22	360.729	6.83	0.48	0.00	0.000	0.000	0.000
124	0.98	0.23	367.088	6.89	0.48	0.00	0.000	0.000	0.000
125	0.99	0.23	373.502	6.95	0.48	0.00	0.000	0.000	0.000
126	1.00	0.23	379.972	7.00	0.48	0.00	0.000	0.000	0.000
127	1.01	0.23	386.498	7.06	0.48	0.00	0.000	0.000	0.000
128	1.02	0.23	393.080	7.11	0.48	0.00	0.000	0.000	0.000
129	1.02	0.24	399.716	7.17	0.48	0.00	0.000	0.000	0.000
130	1.03	0.24	406.409	7.22	0.48	0.00	0.000	0.000	0.000
131	1.04	0.24	413.157	7.28	0.48	0.00	0.000	0.000	0.000
132	1.05	0.24	419.960	7.33	0.48	0.00	0.000	0.000	0.000
133	1.06	0.24	426.820	7.39	0.48	0.00	0.000	0.000	0.000
134	1.06	0.24	433.734	7.45	0.48	0.00	0.000	0.000	0.000
135	1.07	0.25	440.705	7.50	0.48	0.00	0.000	0.000	0.000
136	1.08	0.25	447.730	7.56	0.48	0.00	0.000	0.000	0.000
137	1.09	0.25	454.812	7.61	0.48	0.00	0.000	0.000	0.000
138	1.10	0.25	461.949	7.67	0.48	0.00	0.000	0.000	0.000
139	1.10	0.25	469.141	7.72	0.48	0.00	0.000	0.000	0.000
140	1.11	0.26	476.389	7.78	0.48	0.00	0.000	0.000	0.000
141	1.12	0.26	483.693	7.83	0.48	0.00	0.000	0.000	0.000
142	1.13	0.26	491.052	7.89	0.48	0.00	0.000	0.000	0.000
143	1.13	0.26	498.467	7.95	0.48	0.00	0.000	0.000	0.000
144	1.14	0.26	505.937	8.00	0.48	0.00	0.000	0.000	0.000
145	1.15	0.26	513.463	8.06	0.48	0.00	0.000	0.000	0.000
146	1.16	0.27	521.044	8.11	0.48	0.00	0.000	0.000	0.000
147	1.17	0.27	528.681	8.17	0.48	0.00	0.000	0.000	0.000
148	1.17	0.27	536.374	8.22	0.48	0.00	0.000	0.000	0.000
149	1.18	0.27	544.122	8.28	0.48	0.00	0.000	0.000	0.000
150	1.19	0.27	551.926	8.33	0.48	0.00	0.000	0.000	0.000
151	1.20	0.28	559.785	8.39	0.48	0.00	0.000	0.000	0.000
152	1.21	0.28	567.700	8.45	0.48	0.00	0.000	0.000	0.000
153	1.21	0.28	575.670	8.50	0.48	0.00	0.000	0.000	0.000
154	1.22	0.28	583.696	8.56	0.48	0.00	0.000	0.000	0.000
155	1.23	0.28	591.778	8.61	0.48	0.00	0.000	0.000	0.000
156	1.24	0.28	599.915	8.67	0.48	0.00	0.000	0.000	0.000
157	1.25	0.29	608.107	8.72	0.48	0.00	0.000	0.000	0.000
158	1.25	0.29	616.355	8.78	0.48	0.00	0.000	0.000	0.000
159	1.26	0.29	624.659	8.83	0.48	0.00	0.000	0.000	0.000
160	1.27	0.29	633.018	8.89	0.48	0.00	0.000	0.000	0.000
161	1.28	0.29	641.433	8.95	0.48	0.00	0.000	0.000	0.000
162	1.29	0.30	649.904	9.00	0.48	0.00	0.000	0.000	0.000
163	1.29	0.30	658.430	9.06	0.48	0.00	0.000	0.000	0.000
164	1.30	0.30	667.011	9.11	0.48	0.00	0.000	0.000	0.000
165	1.31	0.30	675.648	9.17	0.48	0.00	0.000	0.000	0.000
166	1.32	0.30	684.341	9.22	0.48	0.00	0.000	0.000	0.000
167	1.33	0.30	693.089	9.28	0.48	0.00	0.000	0.000	0.000
168	1.33	0.31	701.893	9.33	0.48	0.00	0.000	0.000	0.000
169	1.34	0.31	710.752	9.39	0.48	0.00	0.000	0.000	0.000
170	1.35	0.31	719.667	9.45	0.48	0.00	0.000	0.000	0.000
171	1.36	0.31	728.638	9.50	0.48	0.00	0.000	0.000	0.000
172	1.37	0.31	737.664	9.56	0.48	0.00	0.000	0.000	0.000
173	1.37	0.32	746.745	9.61	0.48	0.00	0.000	0.000	0.000
174	1.38	0.32	755.883	9.67	0.48	4.12	0.000	1.900	0.000
175	1.39	0.32	760.953	9.72	0.48	9.25	2.223	1.900	0.000
176	1.40	0.32	760.953	9.78	0.48	9.30	9.571	1.900	0.000
177	1.40	0.32	760.953	9.83	0.48	9.36	16.975	1.900	0.000
178	1.41	0.32	760.953	9.89	0.48	9.41	24.434	1.900	0.000
179	1.42	0.33	760.953	9.95	0.48	9.47	31.949	1.900	0.000
180	1.43	0.33	760.953	10.00	0.48	9.53	39.520	1.900	0.000
181	1.44	0.33	760.953	10.06	0.48	9.58	47.146	1.900	0.000
182	1.44	0.33	760.953	10.11	0.48	9.64	54.828	1.900	0.000
183	1.45	0.33	760.953	10.17	0.48	9.69	62.565	1.900	0.000
184	1.46	0.34	760.953	10.22	0.48	9.75	70.358	1.900	0.000
185	1.47	0.34	760.953	10.28	0.48	9.80	78.206	1.900	0.000
186	1.48	0.34	760.953	10.33	0.48	9.86	86.110	1.900	0.000
187	1.48	0.34	760.953	10.39	0.48	9.92	94.069	1.900	0.000
188	1.49	0.34	760.953	10.45	0.48	9.97	102.084	1.900	0.000
189	1.50	0.35	760.953	10.50	0.48	10.03	110.155	1.900	0.000
190	1.51	0.35	760.953	10.56	0.48	10.08	118.281	1.900	0.000
191	1.52	0.35	760.953	10.61	0.48	10.14	126.463	1.900	0.000
192	1.52	0.35	760.953	10.67	0.48	10.19	134.700	1.900	0.000
193	1.53	0.35	760.953	10.72	0.48	10.25	142.993	1.900	0.000
194	1.54	0.35	760.953	10.78	0.48	10.30	151.341	1.900	0.000
195	1.55	0.36	760.953	10.83	0.48	10.36	159.745	1.900	0.000
196	1.56	0.36	760.953	10.89	0.48	10.42	168.205	1.900	0.000
197	1.56	0.36	760.953	10.95	0.48	10.47	176.720	1.900	0.000
198	1.57	0.36	760.953	11.00	0.48	10.53	185.290	1.900	0.000

Southern SMA Calculations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
199	1.58	0.36	760.953	11.06	0.48	10.58	193.917	1.900	0.000
200	1.59	0.37	760.953	11.11	0.48	10.64	202.598	1.900	0.000
201	1.60	0.37	760.953	11.17	0.48	10.69	211.336	1.900	3.529
202	1.60	0.37	764.481	11.22	0.48	14.28	216.600	1.900	12.377
203	1.61	0.37	773.329	11.28	0.48	23.18	216.600	1.900	21.281
204	1.62	0.37	782.234	11.33	0.48	32.14	216.600	1.900	30.241
205	1.63	0.37	791.193	11.39	0.48	41.16	216.600	1.900	39.256
206	1.63	0.38	800.208	11.45	0.48	50.23	216.600	1.900	48.326
207	1.64	0.38	809.279	11.50	0.48	59.35	216.600	1.900	57.453
208	1.65	0.38	818.405	11.56	0.48	68.53	216.600	1.900	66.634
209	1.66	0.38	827.587	11.61	0.48	77.77	216.600	1.900	75.872
210	1.67	0.38	836.824	11.67	0.48	87.06	216.600	1.900	85.165
211	1.67	0.39	846.117	11.72	0.48	96.41	216.600	1.900	94.513
212	1.68	0.39	855.466	11.78	0.48	105.82	216.600	1.900	103.917
213	1.69	0.39	864.870	11.83	0.48	115.28	216.600	1.900	113.377
214	1.70	0.39	874.329	11.89	0.48	124.79	216.600	1.900	122.892
215	1.71	0.39	883.845	11.95	0.48	134.36	216.600	1.900	132.463
216	1.71	0.39	893.415	12.00	0.48	143.99	216.600	1.900	142.089
217	1.72	0.40	903.042	12.06	0.48	153.67	216.600	1.900	151.771
218	1.73	0.40	912.724	12.11	0.48	163.41	216.600	1.900	161.509
219	1.74	0.40	922.461	12.17	0.48	173.20	216.600	1.900	171.301
220	1.75	0.40	932.254	12.22	0.48	183.05	216.600	1.900	181.150
221	1.75	0.40	942.103	12.28	0.48	192.95	216.600	1.900	191.054
222	1.76	0.41	952.007	12.33	0.48	202.91	216.600	1.900	201.014
223	1.77	0.41	961.966	12.39	0.48	212.93	216.600	1.900	211.029
224	1.78	0.41	971.982	12.45	0.48	223.00	216.600	1.900	221.100
225	1.79	0.41	982.052	12.50	0.48	233.13	216.600	1.900	231.226
226	1.79	0.41	992.179	12.56	0.48	243.31	216.600	1.900	241.408
227	1.80	0.41	1002.361	12.61	0.48	253.55	216.600	1.900	251.646
228	1.81	0.42	1012.598	12.67	0.48	263.84	216.600	1.900	261.939
229	1.82	0.42	1022.891	12.72	0.48	274.19	216.600	1.900	272.287
230	1.83	0.42	1033.240	12.78	0.48	284.59	216.600	1.900	282.691
231	1.83	0.42	1043.644	12.83	0.48	295.05	216.600	1.900	293.151
232	1.84	0.42	1054.104	12.89	0.48	305.57	216.600	1.900	303.667
233	1.85	0.43	1064.619	12.95	0.48	316.14	216.600	1.900	314.237
234	1.86	0.43	1075.190	13.00	0.48	326.76	216.600	1.900	324.864
235	1.87	0.43	1085.816	13.06	0.48	337.45	216.600	1.900	335.546
236	1.87	0.43	1096.498	13.11	0.48	348.18	216.600	1.900	346.283
237	1.88	0.43	1107.236	13.17	0.48	358.98	216.600	1.900	357.076
238	1.89	0.43	1118.029	13.22	0.48	369.83	216.600	1.900	367.925
239	1.90	0.44	1128.878	13.28	0.48	380.73	216.600	1.900	378.829
240	1.90	0.44	1139.782	13.33	0.48	391.69	216.600	1.900	389.789
241	1.91	0.44	1150.742	13.39	0.48	402.70	216.600	1.900	400.804
242	1.92	0.44	1161.757	13.45	0.48	413.78	216.600	1.900	411.875
243	1.93	0.44	1172.828	13.50	0.48	424.90	216.600	1.900	423.002
244	1.94	0.45	1183.954	13.56	0.48	436.08	216.600	1.900	434.184
245	1.94	0.45	1195.136	13.61	0.48	447.32	216.600	1.900	445.421
246	1.95	0.45	1206.374	13.67	0.48	458.61	216.600	1.900	456.715
247	1.96	0.45	1217.667	13.72	0.48	469.96	216.600	1.900	468.063
248	1.97	0.45	1229.016	13.78	0.48	481.37	216.600	1.900	479.468
249	1.98	0.45	1240.420	13.83	0.48	492.83	216.600	1.900	490.927
250	1.98	0.46	1251.880	13.89	0.48	504.34	216.600	1.900	502.443
251	1.99	0.46	1263.395	13.95	0.48	515.91	216.600	1.900	514.014
252	2.00	0.46	1274.966	14.00	0.48	527.54	216.600	1.900	525.640
253	1.98	0.46	1286.593	13.87	0.48	539.04	216.600	1.900	537.137
254	1.96	0.45	1298.090	13.74	0.48	550.40	216.600	1.900	548.504
255	1.94	0.45	1309.457	13.61	0.48	561.64	216.600	1.900	559.742
256	1.93	0.44	1320.695	13.48	0.48	572.75	216.600	1.900	570.850
257	1.91	0.44	1331.802	13.35	0.48	583.73	216.600	1.900	581.828
258	1.89	0.43	1342.781	13.22	0.48	594.58	216.600	1.900	592.677
259	1.87	0.43	1353.629	13.09	0.48	605.30	216.600	1.900	603.396
260	1.85	0.43	1364.348	12.96	0.48	615.89	216.600	1.900	613.985
261	1.83	0.42	1374.938	12.83	0.48	626.35	216.600	1.900	624.445
262	1.81	0.42	1385.398	12.71	0.48	636.68	216.600	1.900	634.775
263	1.80	0.41	1395.728	12.58	0.48	646.88	216.600	1.900	644.976
264	1.78	0.41	1405.928	12.45	0.48	656.95	216.600	1.900	655.046
265	1.76	0.40	1415.999	12.32	0.48	666.89	216.600	1.900	664.988
266	1.74	0.40	1425.940	12.19	0.48	676.70	216.600	1.900	674.799
267	1.72	0.40	1435.752	12.06	0.48	686.38	216.600	1.900	684.481
268	1.70	0.39	1445.433	11.93	0.48	695.93	216.600	1.900	694.033
269	1.69	0.39	1454.986	11.80	0.48	705.36	216.600	1.900	703.456
270	1.67	0.38	1464.408	11.67	0.48	714.65	216.600	1.900	712.749
271	1.65	0.38	1473.701	11.54	0.48	723.81	216.600	1.900	721.912
272	1.63	0.37	1482.865	11.41	0.48	732.85	216.600	1.900	730.946
273	1.61	0.37	1491.898	11.28	0.48	741.75	216.600	1.900	739.850
274	1.59	0.37	1500.802	11.15	0.48	750.52	216.600	1.900	748.624
275	1.57	0.36	1509.577	11.02	0.48	759.17	216.600	1.900	757.269
276	1.56	0.36	1518.221	10.89	0.48	767.68	216.600	1.900	765.784
277	1.54	0.35	1526.736	10.76	0.48	776.07	216.600	1.900	774.169
278	1.52	0.35	1535.122	10.63	0.48	784.33	216.600	1.900	782.425
279	1.50	0.35	1543.378	10.50	0.48	792.45	216.600	1.900	790.551
280	1.48	0.34	1551.504	10.37	0.48	800.45	216.600	1.900	798.548
281	1.46	0.34	1559.500	10.24	0.48	808.31	216.600	1.900	806.415
282	1.44	0.33	1567.367	10.11	0.48	816.05	216.600	1.900	814.152
283	1.43	0.33	1575.104	9.98	0.48	823.66	216.600	1.900	821.759
284	1.41	0.32	1582.712	9.85	0.48	831.14	216.600	1.900	829.237
285	1.39	0.32	1590.190	9.72	0.48	838.49	216.600	1.900	836.586
286	1.37	0.32	1597.538	9.59	0.48	845.70	216.600	1.900	843.804
287	1.35	0.31	1604.757	9.46	0.48	852.79	216.600	1.900	850.893
288	1.33	0.31	1611.846	9.33	0.48	859.75	216.600	1.900	857.853
289	1.31	0.30	1618.805	9.20	0.48	866.58	216.600	1.900	864.682
290	1.30	0.30	1625.635	9.08	0.48	873.28	216.600	1.900	871.382
291	1.28	0.29	1632.335	8.95	0.48	879.85	216.600	1.900	877.953
292	1.26	0.29	1638.905	8.82	0.48	886.29	216.600	1.900	884.393
293	1.24	0.29	1645.346	8.69	0.48	892.60	216.600	1.900	890.705
294	1.22	0.28	1651.657	8.56	0.48	898.79	216.600	1.900	896.886
295	1.20	0.28	1657.839	8.43	0.48	904.84	216.600	1.900	902.938
296	1.19	0.27	1663.890	8.30	0.48	910.76	216.600	1.900	908.860
297	1.17	0.27	1669.813	8.17	0.48	916.55	216.600	1.900	914.653
298	1.15	0.26	1675.605	8.04	0.48	922.22	216.600	1.900	920.316
299	1.13	0.26	1681.268	7.91	0.48	927.75	216.600	1.900	925.849
300	1.11	0.26	1686.801	7.78	0.48	933.15	216.600	1.900	931.253
301	1.09	0.25	1692.205	7.65	0.48	938.43	216.600	1.900	936.526

Southern SMA Calculations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	**1779.174**			**Final Basin Soakpit Volume:**	**216.600**	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
302	1.07	0.25	1697.479	7.52	0.48	943.57	216.600	1.900	941.671
303	1.06	0.24	1702.623	7.39	0.48	948.59	216.600	1.900	946.686
304	1.04	0.24	1707.638	7.26	0.48	953.47	216.600	1.900	951.571
305	1.02	0.23	1712.523	7.13	0.48	958.23	216.600	1.900	956.326
306	1.00	0.23	1717.278	7.00	0.48	962.85	216.600	1.900	960.952
307	0.98	0.23	1721.904	6.87	0.48	967.35	216.600	1.900	965.448
308	0.96	0.22	1726.400	6.74	0.48	971.71	216.600	1.900	969.814
309	0.94	0.22	1730.767	6.61	0.48	975.95	216.600	1.900	974.051
310	0.93	0.21	1735.004	6.48	0.48	980.06	216.600	1.900	978.158
311	0.91	0.21	1739.111	6.35	0.48	984.04	216.600	1.900	982.136
312	0.89	0.20	1743.088	6.22	0.48	987.88	216.600	1.900	985.984
313	0.87	0.20	1746.936	6.09	0.48	991.60	216.600	1.900	989.702
314	0.85	0.20	1750.655	5.96	0.48	995.19	216.600	1.900	993.291
315	0.83	0.19	1754.243	5.83	0.48	998.65	216.600	1.900	996.750
316	0.81	0.19	1757.702	5.70	0.48	1001.98	216.600	1.900	1000.079
317	0.80	0.18	1761.031	5.57	0.48	1005.18	216.600	1.900	1003.279
318	0.78	0.18	1764.231	5.45	0.48	1008.25	216.600	1.900	1006.349
319	0.76	0.17	1767.301	5.32	0.48	1011.19	216.600	1.900	1009.289
320	0.74	0.17	1770.242	5.19	0.48	1014.00	216.600	1.900	1012.100
321	0.72	0.17	1773.052	5.06	0.48	1016.68	216.600	1.900	1014.781
322	0.70	0.16	1775.733	4.93	0.48	1019.23	216.600	1.900	1017.332
323	0.69	0.16	1778.285	4.80	0.48	1021.65	216.600	1.900	1019.754
324	0.67	0.15	1780.707	4.67	0.48	1023.95	216.600	1.900	1022.046
325	0.65	0.15	1782.999	4.54	0.48	1026.11	216.600	1.900	1024.209
326	0.63	0.14	1785.161	4.41	0.48	1028.14	216.600	1.900	1026.242
327	0.61	0.14	1787.194	4.28	0.48	1030.05	216.600	1.900	1028.145
328	0.59	0.14	1789.098	4.15	0.48	1031.82	216.600	1.900	1029.919
329	0.57	0.13	1790.871	4.02	0.48	1033.46	216.600	1.900	1031.563
330	0.56	0.13	1792.515	3.89	0.48	1034.98	216.600	1.900	1033.077
331	0.54	0.12	1794.029	3.76	0.48	1036.36	216.600	1.900	1034.462
332	0.52	0.12	1795.414	3.63	0.48	1037.62	216.600	1.900	1035.717
333	0.50	0.12	1796.669	3.50	0.48	1038.74	216.600	1.900	1036.842
334	0.48	0.11	1797.795	3.37	0.48	1039.74	216.600	1.900	1037.838
335	0.46	0.11	1798.790	3.24	0.48	1040.60	216.600	1.900	1038.704
336	0.44	0.10	1799.656	3.11	0.48	1041.34	216.600	1.900	1039.440
337	0.43	0.10	1800.393	2.98	0.48	1041.95	216.600	1.900	1040.047
338	0.41	0.09	1801.000	2.85	0.48	1042.42	216.600	1.900	1040.524
339	0.39	0.09	1801.477	2.72	0.48	1042.77	216.600	1.900	1040.872
340	0.37	0.09	1801.824	2.59	0.48	1042.99	216.600	1.900	1041.090
341	0.35	0.08	1802.042	2.46	0.48	1043.08	216.600	1.900	1041.178
342	0.33	0.08	1802.130	2.33	0.48	1043.04	216.600	1.900	1041.136
343	0.31	0.07	1802.089	2.20	0.48	1042.87	216.600	1.900	1040.965
344	0.30	0.07	1801.918	2.07	0.48	1042.56	216.600	1.900	1040.665
345	0.28	0.06	1801.617	1.94	0.48	1042.13	216.600	1.900	1040.234
346	0.26	0.06	1801.187	1.82	0.48	1041.57	216.600	1.900	1039.674
347	0.24	0.06	1800.627	1.69	0.48	1040.88	216.600	1.900	1038.985
348	0.22	0.05	1799.937	1.56	0.48	1040.07	216.600	1.900	1038.165
349	0.20	0.05	1799.118	1.43	0.48	1039.12	216.600	1.900	1037.217
350	0.19	0.04	1798.169	1.30	0.48	1038.04	216.600	1.900	1036.138
351	0.17	0.04	1797.090	1.17	0.48	1036.83	216.600	1.900	1034.930
352	0.15	0.03	1795.882	1.04	0.48	1035.49	216.600	1.900	1033.592
353	0.13	0.03	1794.544	0.91	0.48	1034.02	216.600	1.900	1032.124
354	0.11	0.03	1793.077	0.78	0.48	1032.43	216.600	1.900	1030.527
355	0.09	0.02	1791.480	0.65	0.48	1030.70	216.600	1.900	1028.801
356	0.07	0.02	1789.753	0.52	0.48	1028.84	216.600	1.900	1026.944
357	0.06	0.01	1787.897	0.39	0.48	1026.86	216.600	1.900	1024.958
358	0.04	0.01	1785.911	0.26	0.48	1024.74	216.600	1.900	1022.842
359	0.02	0.00	1783.795	0.13	0.48	1022.50	216.600	1.900	1020.597
360	0.00	0.00	1781.549	0.00	0.48	1020.12	216.600	1.900	1018.222
361	0.00	0.00	1779.174	0.00	0.48	1017.75	216.600	1.900	1015.847
362	0.00	0.00	1776.799	0.00	0.48	1015.37	216.600	1.900	1013.472
363	0.00	0.00	1774.424	0.00	0.48	1013.00	216.600	1.900	1011.097
364	0.00	0.00	1772.049	0.00	0.48	1010.62	216.600	1.900	1008.722
365	0.00	0.00	1769.674	0.00	0.48	1008.25	216.600	1.900	1006.347
366	0.00	0.00	1767.299	0.00	0.48	1005.87	216.600	1.900	1003.972
367	0.00	0.00	1764.924	0.00	0.48	1003.50	216.600	1.900	1001.597
368	0.00	0.00	1762.549	0.00	0.48	1001.12	216.600	1.900	999.222
369	0.00	0.00	1760.174	0.00	0.48	998.75	216.600	1.900	996.847
370	0.00	0.00	1757.799	0.00	0.48	996.37	216.600	1.900	994.472
371	0.00	0.00	1755.424	0.00	0.48	994.00	216.600	1.900	992.097
372	0.00	0.00	1753.049	0.00	0.48	991.62	216.600	1.900	989.722
373	0.00	0.00	1750.674	0.00	0.48	989.25	216.600	1.900	987.347
374	0.00	0.00	1748.299	0.00	0.48	986.87	216.600	1.900	984.972
375	0.00	0.00	1745.924	0.00	0.48	984.50	216.600	1.900	982.597
376	0.00	0.00	1743.549	0.00	0.48	982.12	216.600	1.900	980.222
377	0.00	0.00	1741.174	0.00	0.48	979.75	216.600	1.900	977.847
378	0.00	0.00	1738.799	0.00	0.48	977.37	216.600	1.900	975.472
379	0.00	0.00	1736.424	0.00	0.48	975.00	216.600	1.900	973.097
380	0.00	0.00	1734.049	0.00	0.48	972.62	216.600	1.900	970.722
381	0.00	0.00	1731.674	0.00	0.48	970.25	216.600	1.900	968.347
382	0.00	0.00	1729.299	0.00	0.48	967.87	216.600	1.900	965.972
383	0.00	0.00	1726.924	0.00	0.48	965.50	216.600	1.900	963.597
384	0.00	0.00	1724.549	0.00	0.48	963.12	216.600	1.900	961.222
385	0.00	0.00	1722.174	0.00	0.48	960.75	216.600	1.900	958.847
386	0.00	0.00	1719.799	0.00	0.48	958.37	216.600	1.900	956.472
387	0.00	0.00	1717.424	0.00	0.48	956.00	216.600	1.900	954.097
388	0.00	0.00	1715.049	0.00	0.48	953.62	216.600	1.900	951.722
389	0.00	0.00	1712.674	0.00	0.48	951.25	216.600	1.900	949.347
390	0.00	0.00	1710.299	0.00	0.48	948.87	216.600	1.900	946.972
391	0.00	0.00	1707.924	0.00	0.48	946.50	216.600	1.900	944.597
392	0.00	0.00	1705.549	0.00	0.48	944.12	216.600	1.900	942.222
393	0.00	0.00	1703.174	0.00	0.48	941.75	216.600	1.900	939.847
394	0.00	0.00	1700.799	0.00	0.48	939.37	216.600	1.900	937.472
395	0.00	0.00	1698.424	0.00	0.48	937.00	216.600	1.900	935.097
396	0.00	0.00	1696.049	0.00	0.48	934.62	216.600	1.900	932.722
397	0.00	0.00	1693.674	0.00	0.48	932.25	216.600	1.900	930.347
398	0.00	0.00	1691.299	0.00	0.48	929.87	216.600	1.900	927.972
399	0.00	0.00	1688.924	0.00	0.48	927.50	216.600	1.900	925.597
400	0.00	0.00	1686.549	0.00	0.48	925.12	216.600	1.900	923.222
401	0.00	0.00	1684.174	0.00	0.48	922.75	216.600	1.900	920.847
402	0.00	0.00	1681.799	0.00	0.48	920.37	216.600	1.900	918.472
403	0.00	0.00	1679.424	0.00	0.48	918.00	216.600	1.900	916.097
404	0.00	0.00	1677.049	0.00	0.48	915.62	216.600	1.900	913.722

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
405	0.00	0.00	1674.674	0.00	0.48	913.25	216.600	1.900	911.347
406	0.00	0.00	1672.299	0.00	0.48	910.87	216.600	1.900	908.972
407	0.00	0.00	1669.924	0.00	0.48	908.50	216.600	1.900	906.597
408	0.00	0.00	1667.549	0.00	0.48	906.12	216.600	1.900	904.222
409	0.00	0.00	1665.174	0.00	0.48	903.75	216.600	1.900	901.847
410	0.00	0.00	1662.799	0.00	0.48	901.37	216.600	1.900	899.472
411	0.00	0.00	1660.424	0.00	0.48	899.00	216.600	1.900	897.097
412	0.00	0.00	1658.049	0.00	0.48	896.62	216.600	1.900	894.722
413	0.00	0.00	1655.674	0.00	0.48	894.25	216.600	1.900	892.347
414	0.00	0.00	1653.299	0.00	0.48	891.87	216.600	1.900	889.972
415	0.00	0.00	1650.924	0.00	0.48	889.50	216.600	1.900	887.597
416	0.00	0.00	1648.549	0.00	0.48	887.12	216.600	1.900	885.222
417	0.00	0.00	1646.174	0.00	0.48	884.75	216.600	1.900	882.847
418	0.00	0.00	1643.799	0.00	0.48	882.37	216.600	1.900	880.472
419	0.00	0.00	1641.424	0.00	0.48	880.00	216.600	1.900	878.097
420	0.00	0.00	1639.049	0.00	0.48	877.62	216.600	1.900	875.722
421	0.00	0.00	1636.674	0.00	0.48	875.25	216.600	1.900	873.347
422	0.00	0.00	1634.299	0.00	0.48	872.87	216.600	1.900	870.972
423	0.00	0.00	1631.924	0.00	0.48	870.50	216.600	1.900	868.597
424	0.00	0.00	1629.549	0.00	0.48	868.12	216.600	1.900	866.222
425	0.00	0.00	1627.174	0.00	0.48	865.75	216.600	1.900	863.847
426	0.00	0.00	1624.799	0.00	0.48	863.37	216.600	1.900	861.472
427	0.00	0.00	1622.424	0.00	0.48	861.00	216.600	1.900	859.097
428	0.00	0.00	1620.049	0.00	0.48	858.62	216.600	1.900	856.722
429	0.00	0.00	1617.674	0.00	0.48	856.25	216.600	1.900	854.347
430	0.00	0.00	1615.299	0.00	0.48	853.87	216.600	1.900	851.972
431	0.00	0.00	1612.924	0.00	0.48	851.50	216.600	1.900	849.597
432	0.00	0.00	1610.549	0.00	0.48	849.12	216.600	1.900	847.222
433	0.00	0.00	1608.174	0.00	0.48	846.75	216.600	1.900	844.847
434	0.00	0.00	1605.799	0.00	0.48	844.37	216.600	1.900	842.472
435	0.00	0.00	1603.424	0.00	0.48	842.00	216.600	1.900	840.097
436	0.00	0.00	1601.049	0.00	0.48	839.62	216.600	1.900	837.722
437	0.00	0.00	1598.674	0.00	0.48	837.25	216.600	1.900	835.347
438	0.00	0.00	1596.299	0.00	0.48	834.87	216.600	1.900	832.972
439	0.00	0.00	1593.924	0.00	0.48	832.50	216.600	1.900	830.597
440	0.00	0.00	1591.549	0.00	0.48	830.12	216.600	1.900	828.222
441	0.00	0.00	1589.174	0.00	0.48	827.75	216.600	1.900	825.847
442	0.00	0.00	1586.799	0.00	0.48	825.37	216.600	1.900	823.472
443	0.00	0.00	1584.424	0.00	0.48	823.00	216.600	1.900	821.097
444	0.00	0.00	1582.049	0.00	0.48	820.62	216.600	1.900	818.722
445	0.00	0.00	1579.674	0.00	0.48	818.25	216.600	1.900	816.347
446	0.00	0.00	1577.299	0.00	0.48	815.87	216.600	1.900	813.972
447	0.00	0.00	1574.924	0.00	0.48	813.50	216.600	1.900	811.597
448	0.00	0.00	1572.549	0.00	0.48	811.12	216.600	1.900	809.222
449	0.00	0.00	1570.174	0.00	0.48	808.75	216.600	1.900	806.847
450	0.00	0.00	1567.799	0.00	0.48	806.37	216.600	1.900	804.472
451	0.00	0.00	1565.424	0.00	0.48	804.00	216.600	1.900	802.097
452	0.00	0.00	1563.049	0.00	0.48	801.62	216.600	1.900	799.722
453	0.00	0.00	1560.674	0.00	0.48	799.25	216.600	1.900	797.347
454	0.00	0.00	1558.299	0.00	0.48	796.87	216.600	1.900	794.972
455	0.00	0.00	1555.924	0.00	0.48	794.50	216.600	1.900	792.597
456	0.00	0.00	1553.549	0.00	0.48	792.12	216.600	1.900	790.222
457	0.00	0.00	1551.174	0.00	0.48	789.75	216.600	1.900	787.847
458	0.00	0.00	1548.799	0.00	0.48	787.37	216.600	1.900	785.472
459	0.00	0.00	1546.424	0.00	0.48	785.00	216.600	1.900	783.097
460	0.00	0.00	1544.049	0.00	0.48	782.62	216.600	1.900	780.722
461	0.00	0.00	1541.674	0.00	0.48	780.25	216.600	1.900	778.347
462	0.00	0.00	1539.299	0.00	0.48	777.87	216.600	1.900	775.972
463	0.00	0.00	1536.924	0.00	0.48	775.50	216.600	1.900	773.597
464	0.00	0.00	1534.549	0.00	0.48	773.12	216.600	1.900	771.222
465	0.00	0.00	1532.174	0.00	0.48	770.75	216.600	1.900	768.847
466	0.00	0.00	1529.799	0.00	0.48	768.37	216.600	1.900	766.472
467	0.00	0.00	1527.424	0.00	0.48	766.00	216.600	1.900	764.097
468	0.00	0.00	1525.049	0.00	0.48	763.62	216.600	1.900	761.722
469	0.00	0.00	1522.674	0.00	0.48	761.25	216.600	1.900	759.347
470	0.00	0.00	1520.299	0.00	0.48	758.87	216.600	1.900	756.972
471	0.00	0.00	1517.924	0.00	0.48	756.50	216.600	1.900	754.597
472	0.00	0.00	1515.549	0.00	0.48	754.12	216.600	1.900	752.222
473	2.00	82.80	1513.174	0.00	0.48	751.75	216.600	1.900	749.847
474	0.00	0.00	1510.799	0.00	0.48	749.37	216.600	1.900	747.472
475	0.00	0.00	1508.424	0.00	0.48	747.00	216.600	1.900	745.097
476	0.00	0.00	1506.049	0.00	0.48	744.62	216.600	1.900	742.722
477	0.00	0.00	1503.674	0.00	0.48	742.25	216.600	1.900	740.347
478	0.00	0.00	1501.299	0.00	0.48	739.87	216.600	1.900	737.972
479	0.00	0.00	1498.924	0.00	0.48	737.50	216.600	1.900	735.597
480	0.00	0.00	1496.549	0.00	0.48	735.12	216.600	1.900	733.222
481	0.00	0.00	1494.174	0.00	0.48	732.75	216.600	1.900	730.847
482	0.00	0.00	1491.799	0.00	0.48	730.37	216.600	1.900	728.472
483	0.00	0.00	1489.424	0.00	0.48	728.00	216.600	1.900	726.097
484	0.00	0.00	1487.049	0.00	0.48	725.62	216.600	1.900	723.722
485	0.00	0.00	1484.674	0.00	0.48	723.25	216.600	1.900	721.347
486	0.00	0.00	1482.299	0.00	0.48	720.87	216.600	1.900	718.972
487	0.00	0.00	1479.924	0.00	0.48	718.50	216.600	1.900	716.597
488	0.00	0.00	1477.549	0.00	0.48	716.12	216.600	1.900	714.222
489	0.00	0.00	1475.174	0.00	0.48	713.75	216.600	1.900	711.847
490	0.00	0.00	1472.799	0.00	0.48	711.37	216.600	1.900	709.472
491	0.00	0.00	1470.424	0.00	0.48	709.00	216.600	1.900	707.097
492	0.00	0.00	1468.049	0.00	0.48	706.62	216.600	1.900	704.722
493	0.00	0.00	1465.674	0.00	0.48	704.25	216.600	1.900	702.347
494	0.00	0.00	1463.299	0.00	0.48	701.87	216.600	1.900	699.972
495	0.00	0.00	1460.924	0.00	0.48	699.50	216.600	1.900	697.597
496	0.00	0.00	1458.549	0.00	0.48	697.12	216.600	1.900	695.222
497	0.00	0.00	1456.174	0.00	0.48	694.75	216.600	1.900	692.847
498	0.00	0.00	1453.799	0.00	0.48	692.37	216.600	1.900	690.472
499	0.00	0.00	1451.424	0.00	0.48	690.00	216.600	1.900	688.097
500	0.00	0.00	1449.049	0.00	0.48	687.62	216.600	1.900	685.722
501	0.00	0.00	1446.674	0.00	0.48	685.25	216.600	1.900	683.347
502	0.00	0.00	1444.299	0.00	0.48	682.87	216.600	1.900	680.972
503	0.00	0.00	1441.924	0.00	0.48	680.50	216.600	1.900	678.597
504	0.00	0.00	1439.549	0.00	0.48	678.12	216.600	1.900	676.222
505	0.00	0.00	1437.174	0.00	0.48	675.75	216.600	1.900	673.847
506	0.00	0.00	1434.799	0.00	0.48	673.37	216.600	1.900	671.472
507	0.00	0.00	1432.424	0.00	0.48	671.00	216.600	1.900	669.097

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	1779.174			**Final Basin Soakpit Volume:**	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
508	0.00	0.00	1430.049	0.00	0.48	668.62	216.600	1.900	666.722
509	0.00	0.00	1427.674	0.00	0.48	666.25	216.600	1.900	664.347
510	0.00	0.00	1425.299	0.00	0.48	663.87	216.600	1.900	661.972
511	0.00	0.00	1422.924	0.00	0.48	661.50	216.600	1.900	659.597
512	0.00	0.00	1420.549	0.00	0.48	659.12	216.600	1.900	657.222
513	0.00	0.00	1418.174	0.00	0.48	656.75	216.600	1.900	654.847
514	0.00	0.00	1415.799	0.00	0.48	654.37	216.600	1.900	652.472
515	0.00	0.00	1413.424	0.00	0.48	652.00	216.600	1.900	650.097
516	0.00	0.00	1411.049	0.00	0.48	649.62	216.600	1.900	647.722
517	0.00	0.00	1408.674	0.00	0.48	647.25	216.600	1.900	645.347
518	0.00	0.00	1406.299	0.00	0.48	644.87	216.600	1.900	642.972
519	0.00	0.00	1403.924	0.00	0.48	642.50	216.600	1.900	640.597
520	0.00	0.00	1401.549	0.00	0.48	640.12	216.600	1.900	638.222
521	0.00	0.00	1399.174	0.00	0.48	637.75	216.600	1.900	635.847
522	0.00	0.00	1396.799	0.00	0.48	635.37	216.600	1.900	633.472
523	0.00	0.00	1394.424	0.00	0.48	633.00	216.600	1.900	631.097
524	0.00	0.00	1392.049	0.00	0.48	630.62	216.600	1.900	628.722
525	0.00	0.00	1389.674	0.00	0.48	628.25	216.600	1.900	626.347
526	0.00	0.00	1387.299	0.00	0.48	625.87	216.600	1.900	623.972
527	0.00	0.00	1384.924	0.00	0.48	623.50	216.600	1.900	621.597
528	0.00	0.00	1382.549	0.00	0.48	621.12	216.600	1.900	619.222
529	0.00	0.00	1380.174	0.00	0.48	618.75	216.600	1.900	616.847
530	0.00	0.00	1377.799	0.00	0.48	616.37	216.600	1.900	614.472
531	0.00	0.00	1375.424	0.00	0.48	614.00	216.600	1.900	612.097
532	0.00	0.00	1373.049	0.00	0.48	611.62	216.600	1.900	609.722
533	0.00	0.00	1370.674	0.00	0.48	609.25	216.600	1.900	607.347
534	0.00	0.00	1368.299	0.00	0.48	606.87	216.600	1.900	604.972
535	0.00	0.00	1365.924	0.00	0.48	604.50	216.600	1.900	602.597
536	0.00	0.00	1363.549	0.00	0.48	602.12	216.600	1.900	600.222
537	0.00	0.00	1361.174	0.00	0.48	599.75	216.600	1.900	597.847
538	0.00	0.00	1358.799	0.00	0.48	597.37	216.600	1.900	595.472
539	0.00	0.00	1356.424	0.00	0.48	595.00	216.600	1.900	593.097
540	0.00	0.00	1354.049	0.00	0.48	592.62	216.600	1.900	590.722
541	0.00	0.00	1351.674	0.00	0.48	590.25	216.600	1.900	588.347
542	0.00	0.00	1349.299	0.00	0.48	587.87	216.600	1.900	585.972
543	0.00	0.00	1346.924	0.00	0.48	585.50	216.600	1.900	583.597
544	0.00	0.00	1344.549	0.00	0.48	583.12	216.600	1.900	581.222
545	0.00	0.00	1342.174	0.00	0.48	580.75	216.600	1.900	578.847
546	0.00	0.00	1339.799	0.00	0.48	578.37	216.600	1.900	576.472
547	0.00	0.00	1337.424	0.00	0.48	576.00	216.600	1.900	574.097
548	0.00	0.00	1335.049	0.00	0.48	573.62	216.600	1.900	571.722
549	0.00	0.00	1332.674	0.00	0.48	571.25	216.600	1.900	569.347
550	0.00	0.00	1330.299	0.00	0.48	568.87	216.600	1.900	566.972
551	0.00	0.00	1327.924	0.00	0.48	566.50	216.600	1.900	564.597
552	0.00	0.00	1325.549	0.00	0.48	564.12	216.600	1.900	562.222
553	0.00	0.00	1323.174	0.00	0.48	561.75	216.600	1.900	559.847
554	0.00	0.00	1320.799	0.00	0.48	559.37	216.600	1.900	557.472
555	0.00	0.00	1318.424	0.00	0.48	557.00	216.600	1.900	555.097
556	0.00	0.00	1316.049	0.00	0.48	554.62	216.600	1.900	552.722
557	0.00	0.00	1313.674	0.00	0.48	552.25	216.600	1.900	550.347
558	0.00	0.00	1311.299	0.00	0.48	549.87	216.600	1.900	547.972
559	0.00	0.00	1308.924	0.00	0.48	547.50	216.600	1.900	545.597
560	0.00	0.00	1306.549	0.00	0.48	545.12	216.600	1.900	543.222
561	0.00	0.00	1304.174	0.00	0.48	542.75	216.600	1.900	540.847
562	0.00	0.00	1301.799	0.00	0.48	540.37	216.600	1.900	538.472
563	0.00	0.00	1299.424	0.00	0.48	538.00	216.600	1.900	536.097
564	0.00	0.00	1297.049	0.00	0.48	535.62	216.600	1.900	533.722
565	0.00	0.00	1294.674	0.00	0.48	533.25	216.600	1.900	531.347
566	0.00	0.00	1292.299	0.00	0.48	530.87	216.600	1.900	528.972
567	0.00	0.00	1289.924	0.00	0.48	528.50	216.600	1.900	526.597
568	0.00	0.00	1287.549	0.00	0.48	526.12	216.600	1.900	524.222
569	0.00	0.00	1285.174	0.00	0.48	523.75	216.600	1.900	521.847
570	0.00	0.00	1282.799	0.00	0.48	521.37	216.600	1.900	519.472
571	0.00	0.00	1280.424	0.00	0.48	519.00	216.600	1.900	517.097
572	0.00	0.00	1278.049	0.00	0.48	516.62	216.600	1.900	514.722
573	0.00	0.00	1275.674	0.00	0.48	514.25	216.600	1.900	512.347
574	0.00	0.00	1273.299	0.00	0.48	511.87	216.600	1.900	509.972
575	0.00	0.00	1270.924	0.00	0.48	509.50	216.600	1.900	507.597
576	2.00	82.80	1268.549	0.00	0.48	507.12	216.600	1.900	505.222
577	0.00	0.00	1266.174	0.00	0.48	504.75	216.600	1.900	502.847
578	0.00	0.00	1263.799	0.00	0.48	502.37	216.600	1.900	500.472
579	0.00	0.00	1261.424	0.00	0.48	500.00	216.600	1.900	498.097
580	0.00	0.00	1259.049	0.00	0.48	497.62	216.600	1.900	495.722
581	0.00	0.00	1256.674	0.00	0.48	495.25	216.600	1.900	493.347
582	0.00	0.00	1254.299	0.00	0.48	492.87	216.600	1.900	490.972
583	0.00	0.00	1251.924	0.00	0.48	490.50	216.600	1.900	488.597
584	0.00	0.00	1249.549	0.00	0.48	488.12	216.600	1.900	486.222
585	0.00	0.00	1247.174	0.00	0.48	485.75	216.600	1.900	483.847
586	0.00	0.00	1244.799	0.00	0.48	483.37	216.600	1.900	481.472
587	0.00	0.00	1242.424	0.00	0.48	481.00	216.600	1.900	479.097
588	0.00	0.00	1240.049	0.00	0.48	478.62	216.600	1.900	476.722
589	0.00	0.00	1237.674	0.00	0.48	476.25	216.600	1.900	474.347
590	0.00	0.00	1235.299	0.00	0.48	473.87	216.600	1.900	471.972
591	0.00	0.00	1232.924	0.00	0.48	471.50	216.600	1.900	469.597
592	0.00	0.00	1230.549	0.00	0.48	469.12	216.600	1.900	467.222
593	0.00	0.00	1228.174	0.00	0.48	466.75	216.600	1.900	464.847
594	0.00	0.00	1225.799	0.00	0.48	464.37	216.600	1.900	462.472
595	0.00	0.00	1223.424	0.00	0.48	462.00	216.600	1.900	460.097
596	0.00	0.00	1221.049	0.00	0.48	459.62	216.600	1.900	457.722
597	0.00	0.00	1218.674	0.00	0.48	457.25	216.600	1.900	455.347
598	0.00	0.00	1216.299	0.00	0.48	454.87	216.600	1.900	452.972
599	0.00	0.00	1213.924	0.00	0.48	452.50	216.600	1.900	450.597
600	0.00	0.00	1211.549	0.00	0.48	450.12	216.600	1.900	448.222
601	0.00	0.00	1209.174	0.00	0.48	447.75	216.600	1.900	445.847
602	0.00	0.00	1206.799	0.00	0.48	445.37	216.600	1.900	443.472
603	0.00	0.00	1204.424	0.00	0.48	443.00	216.600	1.900	441.097
604	0.00	0.00	1202.049	0.00	0.48	440.62	216.600	1.900	438.722
605	0.00	0.00	1199.674	0.00	0.48	438.25	216.600	1.900	436.347
606	0.00	0.00	1197.299	0.00	0.48	435.87	216.600	1.900	433.972
607	0.00	0.00	1194.924	0.00	0.48	433.50	216.600	1.900	431.597
608	0.00	0.00	1192.549	0.00	0.48	431.12	216.600	1.900	429.222
609	0.00	0.00	1190.174	0.00	0.48	428.75	216.600	1.900	426.847
610	0.00	0.00	1187.799	0.00	0.48	426.37	216.600	1.900	424.472

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
611	0.00	0.00	1185.424	0.00	0.48	424.00	216.600	1.900	422.097
612	0.00	0.00	1183.049	0.00	0.48	421.62	216.600	1.900	419.722
613	0.00	0.00	1180.674	0.00	0.48	419.25	216.600	1.900	417.347
614	0.00	0.00	1178.299	0.00	0.48	416.87	216.600	1.900	414.972
615	0.00	0.00	1175.924	0.00	0.48	414.50	216.600	1.900	412.597
616	0.00	0.00	1173.549	0.00	0.48	412.12	216.600	1.900	410.222
617	0.00	0.00	1171.174	0.00	0.48	409.75	216.600	1.900	407.847
618	0.00	0.00	1168.799	0.00	0.48	407.37	216.600	1.900	405.472
619	0.00	0.00	1166.424	0.00	0.48	405.00	216.600	1.900	403.097
620	0.00	0.00	1164.049	0.00	0.48	402.62	216.600	1.900	400.722
621	0.00	0.00	1161.674	0.00	0.48	400.25	216.600	1.900	398.347
622	0.00	0.00	1159.299	0.00	0.48	397.87	216.600	1.900	395.972
623	0.00	0.00	1156.924	0.00	0.48	395.50	216.600	1.900	393.597
624	0.00	0.00	1154.549	0.00	0.48	393.12	216.600	1.900	391.222
625	0.00	0.00	1152.174	0.00	0.48	390.75	216.600	1.900	388.847
626	0.00	0.00	1149.799	0.00	0.48	388.37	216.600	1.900	386.472
627	0.00	0.00	1147.424	0.00	0.48	386.00	216.600	1.900	384.097
628	0.00	0.00	1145.049	0.00	0.48	383.62	216.600	1.900	381.722
629	0.00	0.00	1142.674	0.00	0.48	381.25	216.600	1.900	379.347
630	0.00	0.00	1140.299	0.00	0.48	378.87	216.600	1.900	376.972
631	0.00	0.00	1137.924	0.00	0.48	376.50	216.600	1.900	374.597
632	0.00	0.00	1135.549	0.00	0.48	374.12	216.600	1.900	372.222
633	0.00	0.00	1133.174	0.00	0.48	371.75	216.600	1.900	369.847
634	0.00	0.00	1130.799	0.00	0.48	369.37	216.600	1.900	367.472
635	0.00	0.00	1128.424	0.00	0.48	367.00	216.600	1.900	365.097
636	0.00	0.00	1126.049	0.00	0.48	364.62	216.600	1.900	362.722
637	0.00	0.00	1123.674	0.00	0.48	362.25	216.600	1.900	360.347
638	0.00	0.00	1121.299	0.00	0.48	359.87	216.600	1.900	357.972
639	0.00	0.00	1118.924	0.00	0.48	357.50	216.600	1.900	355.597
640	0.00	0.00	1116.549	0.00	0.48	355.12	216.600	1.900	353.222
641	0.00	0.00	1114.174	0.00	0.48	352.75	216.600	1.900	350.847
642	0.00	0.00	1111.799	0.00	0.48	350.37	216.600	1.900	348.472
643	0.00	0.00	1109.424	0.00	0.48	348.00	216.600	1.900	346.097
644	0.00	0.00	1107.049	0.00	0.48	345.62	216.600	1.900	343.722
645	0.00	0.00	1104.674	0.00	0.48	343.25	216.600	1.900	341.347
646	0.00	0.00	1102.299	0.00	0.48	340.87	216.600	1.900	338.972
647	0.00	0.00	1099.924	0.00	0.48	338.50	216.600	1.900	336.597
648	0.00	0.00	1097.549	0.00	0.48	336.12	216.600	1.900	334.222
649	0.00	0.00	1095.174	0.00	0.48	333.75	216.600	1.900	331.847
650	0.00	0.00	1092.799	0.00	0.48	331.37	216.600	1.900	329.472
651	0.00	0.00	1090.424	0.00	0.48	329.00	216.600	1.900	327.097
652	0.00	0.00	1088.049	0.00	0.48	326.62	216.600	1.900	324.722
653	0.00	0.00	1085.674	0.00	0.48	324.25	216.600	1.900	322.347
654	0.00	0.00	1083.299	0.00	0.48	321.87	216.600	1.900	319.972
655	0.00	0.00	1080.924	0.00	0.48	319.50	216.600	1.900	317.597
656	0.00	0.00	1078.549	0.00	0.48	317.12	216.600	1.900	315.222
657	0.00	0.00	1076.174	0.00	0.48	314.75	216.600	1.900	312.847
658	0.00	0.00	1073.799	0.00	0.48	312.37	216.600	1.900	310.472
659	0.00	0.00	1071.424	0.00	0.48	310.00	216.600	1.900	308.097
660	0.00	0.00	1069.049	0.00	0.48	307.62	216.600	1.900	305.722
661	0.00	0.00	1066.674	0.00	0.48	305.25	216.600	1.900	303.347
662	0.00	0.00	1064.299	0.00	0.48	302.87	216.600	1.900	300.972
663	0.00	0.00	1061.924	0.00	0.48	300.50	216.600	1.900	298.597
664	0.00	0.00	1059.549	0.00	0.48	298.12	216.600	1.900	296.222
665	0.00	0.00	1057.174	0.00	0.48	295.75	216.600	1.900	293.847
666	0.00	0.00	1054.799	0.00	0.48	293.37	216.600	1.900	291.472
667	0.00	0.00	1052.424	0.00	0.48	291.00	216.600	1.900	289.097
668	0.00	0.00	1050.049	0.00	0.48	288.62	216.600	1.900	286.722
669	0.00	0.00	1047.674	0.00	0.48	286.25	216.600	1.900	284.347
670	0.00	0.00	1045.299	0.00	0.48	283.87	216.600	1.900	281.972
671	0.00	0.00	1042.924	0.00	0.48	281.50	216.600	1.900	279.597
672	0.00	0.00	1040.549	0.00	0.48	279.12	216.600	1.900	277.222
673	0.00	0.00	1038.174	0.00	0.48	276.75	216.600	1.900	274.847
674	0.00	0.00	1035.799	0.00	0.48	274.37	216.600	1.900	272.472
675	0.00	0.00	1033.424	0.00	0.48	272.00	216.600	1.900	270.097
676	0.00	0.00	1031.049	0.00	0.48	269.62	216.600	1.900	267.722
677	0.00	0.00	1028.674	0.00	0.48	267.25	216.600	1.900	265.347
678	0.00	0.00	1026.299	0.00	0.48	264.87	216.600	1.900	262.972
679	2.00	0.00	1023.924	0.00	0.48	262.50	216.600	1.900	260.597
680	0.00	0.00	1021.549	0.00	0.48	260.12	216.600	1.900	258.222
681	0.00	0.00	1019.174	0.00	0.48	257.75	216.600	1.900	255.847
682	0.00	0.00	1016.799	0.00	0.48	255.37	216.600	1.900	253.472
683	0.00	0.00	1014.424	0.00	0.48	253.00	216.600	1.900	251.097
684	0.00	0.00	1012.049	0.00	0.48	250.62	216.600	1.900	248.722
685	0.00	0.00	1009.674	0.00	0.48	248.25	216.600	1.900	246.347
686	0.00	0.00	1007.299	0.00	0.48	245.87	216.600	1.900	243.972
687	0.00	0.00	1004.924	0.00	0.48	243.50	216.600	1.900	241.597
688	0.00	0.00	1002.549	0.00	0.48	241.12	216.600	1.900	239.222
689	0.00	0.00	1000.174	0.00	0.48	238.75	216.600	1.900	236.847
690	0.00	0.00	997.799	0.00	0.48	236.37	216.600	1.900	234.472
691	0.00	0.00	995.424	0.00	0.48	234.00	216.600	1.900	232.097
692	0.00	0.00	993.049	0.00	0.48	231.62	216.600	1.900	229.722
693	0.00	0.00	990.674	0.00	0.48	229.25	216.600	1.900	227.347
694	0.00	0.00	988.299	0.00	0.48	226.87	216.600	1.900	224.972
695	0.00	0.00	985.924	0.00	0.48	224.50	216.600	1.900	222.597
696	0.00	0.00	983.549	0.00	0.48	222.12	216.600	1.900	220.222
697	0.00	0.00	981.174	0.00	0.48	219.75	216.600	1.900	217.847
698	0.00	0.00	978.799	0.00	0.48	217.37	216.600	1.900	215.472
699	0.00	0.00	976.424	0.00	0.48	215.00	216.600	1.900	213.097
700	0.00	0.00	974.049	0.00	0.48	212.62	216.600	1.900	210.722
701	0.00	0.00	971.674	0.00	0.48	210.25	216.600	1.900	208.347
702	0.00	0.00	969.299	0.00	0.48	207.87	216.600	1.900	205.972
703	0.00	0.00	966.924	0.00	0.48	205.50	216.600	1.900	203.597
704	0.00	0.00	964.549	0.00	0.48	203.12	216.600	1.900	201.222
705	0.00	0.00	962.174	0.00	0.48	200.75	216.600	1.900	198.847
706	0.00	0.00	959.799	0.00	0.48	198.37	216.600	1.900	196.472
707	0.00	0.00	957.424	0.00	0.48	196.00	216.600	1.900	194.097
708	0.00	0.00	955.049	0.00	0.48	193.62	216.600	1.900	191.722
709	0.00	0.00	952.674	0.00	0.48	191.25	216.600	1.900	189.347
710	0.00	0.00	950.299	0.00	0.48	188.87	216.600	1.900	186.972
711	0.00	0.00	947.924	0.00	0.48	186.50	216.600	1.900	184.597
712	0.00	0.00	945.549	0.00	0.48	184.12	216.600	1.900	182.222
713	0.00	0.00	943.174	0.00	0.48	181.75	216.600	1.900	179.847

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			**Final Basin Soakpit Volume:**	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
714	0.00	0.00	940.799	0.00	0.48	179.37	216.600	1.900	177.472
715	0.00	0.00	938.424	0.00	0.48	177.00	216.600	1.900	175.097
716	0.00	0.00	936.049	0.00	0.48	174.62	216.600	1.900	172.722
717	0.00	0.00	933.674	0.00	0.48	172.25	216.600	1.900	170.347
718	0.00	0.00	931.299	0.00	0.48	169.87	216.600	1.900	167.972
719	0.00	0.00	928.924	0.00	0.48	167.50	216.600	1.900	165.597
720	0.00	0.00	926.549	0.00	0.48	165.12	216.600	1.900	163.222
721	0.00	0.00	924.174	0.00	0.48	162.75	216.600	1.900	160.847
722	0.00	0.00	921.799	0.00	0.48	160.37	216.600	1.900	158.472
723	0.00	0.00	919.424	0.00	0.48	158.00	216.600	1.900	156.097
724	0.00	0.00	917.049	0.00	0.48	155.62	216.600	1.900	153.722
725	0.00	0.00	914.674	0.00	0.48	153.25	216.600	1.900	151.347
726	0.00	0.00	912.299	0.00	0.48	150.87	216.600	1.900	148.972
727	0.00	0.00	909.924	0.00	0.48	148.50	216.600	1.900	146.597
728	0.00	0.00	907.549	0.00	0.48	146.12	216.600	1.900	144.222
729	0.00	0.00	905.174	0.00	0.48	143.75	216.600	1.900	141.847
730	0.00	0.00	902.799	0.00	0.48	141.37	216.600	1.900	139.472
731	0.00	0.00	900.424	0.00	0.48	139.00	216.600	1.900	137.097
732	0.00	0.00	898.049	0.00	0.48	136.62	216.600	1.900	134.722
733	0.00	0.00	895.674	0.00	0.48	134.25	216.600	1.900	132.347
734	0.00	0.00	893.299	0.00	0.48	131.87	216.600	1.900	129.972
735	0.00	0.00	890.924	0.00	0.48	129.50	216.600	1.900	127.597
736	0.00	0.00	888.549	0.00	0.48	127.12	216.600	1.900	125.222
737	0.00	0.00	886.174	0.00	0.48	124.75	216.600	1.900	122.847
738	0.00	0.00	883.799	0.00	0.48	122.37	216.600	1.900	120.472
739	0.00	0.00	881.424	0.00	0.48	120.00	216.600	1.900	118.097
740	0.00	0.00	879.049	0.00	0.48	117.62	216.600	1.900	115.722
741	0.00	0.00	876.674	0.00	0.48	115.25	216.600	1.900	113.347
742	0.00	0.00	874.299	0.00	0.48	112.87	216.600	1.900	110.972
743	0.00	0.00	871.924	0.00	0.48	110.50	216.600	1.900	108.597
744	0.00	0.00	869.549	0.00	0.48	108.12	216.600	1.900	106.222
745	0.00	0.00	867.174	0.00	0.48	105.75	216.600	1.900	103.847
746	0.00	0.00	864.799	0.00	0.48	103.37	216.600	1.900	101.472
747	0.00	0.00	862.424	0.00	0.48	101.00	216.600	1.900	99.097
748	0.00	0.00	860.049	0.00	0.48	98.62	216.600	1.900	96.722
749	0.00	0.00	857.674	0.00	0.48	96.25	216.600	1.900	94.347
750	0.00	0.00	855.299	0.00	0.48	93.87	216.600	1.900	91.972
751	0.00	0.00	852.924	0.00	0.48	91.50	216.600	1.900	89.597
752	0.00	0.00	850.549	0.00	0.48	89.12	216.600	1.900	87.222
753	0.00	0.00	848.174	0.00	0.48	86.75	216.600	1.900	84.847
754	0.00	0.00	845.799	0.00	0.48	84.37	216.600	1.900	82.472
755	0.00	0.00	843.424	0.00	0.48	82.00	216.600	1.900	80.097
756	0.00	0.00	841.049	0.00	0.48	79.62	216.600	1.900	77.722
757	0.00	0.00	838.674	0.00	0.48	77.25	216.600	1.900	75.347
758	0.00	0.00	836.299	0.00	0.48	74.87	216.600	1.900	72.972
759	0.00	0.00	833.924	0.00	0.48	72.50	216.600	1.900	70.597
760	0.00	0.00	831.549	0.00	0.48	70.12	216.600	1.900	68.222
761	0.00	0.00	829.174	0.00	0.48	67.75	216.600	1.900	65.847
762	0.00	0.00	826.799	0.00	0.48	65.37	216.600	1.900	63.472
763	0.00	0.00	824.424	0.00	0.48	63.00	216.600	1.900	61.097
764	0.00	0.00	822.049	0.00	0.48	60.62	216.600	1.900	58.722
765	0.00	0.00	819.674	0.00	0.48	58.25	216.600	1.900	56.347
766	0.00	0.00	817.299	0.00	0.48	55.87	216.600	1.900	53.972
767	0.00	0.00	814.924	0.00	0.48	53.50	216.600	1.900	51.597
768	0.00	0.00	812.549	0.00	0.48	51.12	216.600	1.900	49.222
769	0.00	0.00	810.174	0.00	0.48	48.75	216.600	1.900	46.847
770	0.00	0.00	807.799	0.00	0.48	46.37	216.600	1.900	44.472
771	0.00	0.00	805.424	0.00	0.48	44.00	216.600	1.900	42.097
772	0.00	0.00	803.049	0.00	0.48	41.62	216.600	1.900	39.722
773	0.00	0.00	800.674	0.00	0.48	39.25	216.600	1.900	37.347
774	0.00	0.00	798.299	0.00	0.48	36.87	216.600	1.900	34.972
775	0.00	0.00	795.924	0.00	0.48	34.50	216.600	1.900	32.597
776	0.00	0.00	793.549	0.00	0.48	32.12	216.600	1.900	30.222
777	0.00	0.00	791.174	0.00	0.48	29.75	216.600	1.900	27.847
778	0.00	0.00	788.799	0.00	0.48	27.37	216.600	1.900	25.472
779	0.00	0.00	786.424	0.00	0.48	25.00	216.600	1.900	23.097
780	0.00	0.00	784.049	0.00	0.48	22.62	216.600	1.900	20.722
781	0.00	0.00	781.674	0.00	0.48	20.25	216.600	1.900	18.347
782	2.00	82.80	779.299	0.00	0.48	17.87	216.600	1.900	15.972
783	0.00	0.00	776.924	0.00	0.48	15.50	216.600	1.900	13.597
784	0.00	0.00	774.549	0.00	0.48	13.12	216.600	1.900	11.222
785	0.00	0.00	772.174	0.00	0.48	10.75	216.600	1.900	8.847
786	0.00	0.00	769.799	0.00	0.48	8.37	216.600	1.900	6.472
787	0.00	0.00	767.424	0.00	0.48	6.00	216.600	1.900	4.097
788	0.00	0.00	765.049	0.00	0.48	3.62	216.600	1.900	1.722
789	0.00	0.00	762.674	0.00	0.48	1.25	216.600	1.900	0.000
790	0.00	0.00	760.953	0.00	0.48	0.00	215.947	1.900	0.000
791	0.00	0.00	760.478	0.00	0.48	0.00	214.047	1.900	0.000
792	0.00	0.00	760.003	0.00	0.48	0.00	212.147	1.900	0.000
793	0.00	0.00	759.528	0.00	0.48	0.00	210.247	1.900	0.000
794	0.00	0.00	759.053	0.00	0.48	0.00	208.347	1.900	0.000
795	0.00	0.00	758.578	0.00	0.48	0.00	206.447	1.900	0.000
796	0.00	0.00	758.103	0.00	0.48	0.00	204.547	1.900	0.000
797	0.00	0.00	757.628	0.00	0.48	0.00	202.647	1.900	0.000
798	0.00	0.00	757.153	0.00	0.48	0.00	200.747	1.900	0.000
799	0.00	0.00	756.678	0.00	0.48	0.00	198.847	1.900	0.000
800	0.00	0.00	756.203	0.00	0.48	0.00	196.947	1.900	0.000
801	0.00	0.00	755.728	0.00	0.48	0.00	195.047	1.900	0.000
802	0.00	0.00	755.253	0.00	0.48	0.00	193.147	1.900	0.000
803	0.00	0.00	754.778	0.00	0.48	0.00	191.247	1.900	0.000
804	0.00	0.00	754.303	0.00	0.48	0.00	189.347	1.900	0.000
805	0.00	0.00	753.828	0.00	0.48	0.00	187.447	1.900	0.000
806	0.00	0.00	753.353	0.00	0.48	0.00	185.547	1.900	0.000
807	0.00	0.00	752.878	0.00	0.48	0.00	183.647	1.900	0.000
808	0.00	0.00	752.403	0.00	0.48	0.00	181.747	1.900	0.000
809	0.00	0.00	751.928	0.00	0.48	0.00	179.847	1.900	0.000
810	0.00	0.00	751.453	0.00	0.48	0.00	177.947	1.900	0.000
811	0.00	0.00	750.978	0.00	0.48	0.00	176.047	1.900	0.000
812	0.00	0.00	750.503	0.00	0.48	0.00	174.147	1.900	0.000
813	0.00	0.00	750.028	0.00	0.48	0.00	172.247	1.900	0.000
814	0.00	0.00	749.553	0.00	0.48	0.00	170.347	1.900	0.000
815	0.00	0.00	749.078	0.00	0.48	0.00	168.447	1.900	0.000
816	0.00	0.00	748.603	0.00	0.48	0.00	166.547	1.900	0.000

Southern SMA Calculations

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1779.174**			**Final Basin Soakpit Volume:**	**216.600**	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
817	0.00	0.00	748.127	0.00	0.48	0.00	164.647	1.900	0.000
818	0.00	0.00	747.652	0.00	0.48	0.00	162.747	1.900	0.000
819	0.00	0.00	747.177	0.00	0.48	0.00	160.847	1.900	0.000
820	0.00	0.00	746.702	0.00	0.48	0.00	158.947	1.900	0.000
821	0.00	0.00	746.227	0.00	0.48	0.00	157.047	1.900	0.000
822	0.00	0.00	745.752	0.00	0.48	0.00	155.147	1.900	0.000
823	0.00	0.00	745.277	0.00	0.48	0.00	153.247	1.900	0.000
824	0.00	0.00	744.802	0.00	0.48	0.00	151.347	1.900	0.000
825	0.00	0.00	744.327	0.00	0.48	0.00	149.447	1.900	0.000
826	0.00	0.00	743.852	0.00	0.48	0.00	147.547	1.900	0.000
827	0.00	0.00	743.377	0.00	0.48	0.00	145.647	1.900	0.000
828	0.00	0.00	742.902	0.00	0.48	0.00	143.747	1.900	0.000
829	0.00	0.00	742.427	0.00	0.48	0.00	141.847	1.900	0.000
830	0.00	0.00	741.952	0.00	0.48	0.00	139.947	1.900	0.000
831	0.00	0.00	741.477	0.00	0.48	0.00	138.047	1.900	0.000
832	0.00	0.00	741.002	0.00	0.48	0.00	136.147	1.900	0.000
833	0.00	0.00	740.527	0.00	0.48	0.00	134.247	1.900	0.000
834	0.00	0.00	740.052	0.00	0.48	0.00	132.347	1.900	0.000
835	0.00	0.00	739.577	0.00	0.48	0.00	130.447	1.900	0.000
836	0.00	0.00	739.102	0.00	0.48	0.00	128.547	1.900	0.000
837	0.00	0.00	738.627	0.00	0.48	0.00	126.647	1.900	0.000
838	0.00	0.00	738.152	0.00	0.48	0.00	124.747	1.900	0.000
839	0.00	0.00	737.677	0.00	0.48	0.00	122.847	1.900	0.000
840	0.00	0.00	737.202	0.00	0.48	0.00	120.947	1.900	0.000
841	0.00	0.00	736.727	0.00	0.48	0.00	119.047	1.900	0.000
842	0.00	0.00	736.252	0.00	0.48	0.00	117.147	1.900	0.000
843	0.00	0.00	735.777	0.00	0.48	0.00	115.247	1.900	0.000
844	0.00	0.00	735.302	0.00	0.48	0.00	113.347	1.900	0.000
845	0.00	0.00	734.827	0.00	0.48	0.00	111.447	1.900	0.000
846	0.00	0.00	734.352	0.00	0.48	0.00	109.547	1.900	0.000
847	0.00	0.00	733.877	0.00	0.48	0.00	107.647	1.900	0.000
848	0.00	0.00	733.402	0.00	0.48	0.00	105.747	1.900	0.000
849	0.00	0.00	732.927	0.00	0.48	0.00	103.847	1.900	0.000
850	0.00	0.00	732.452	0.00	0.48	0.00	101.947	1.900	0.000
851	0.00	0.00	731.977	0.00	0.48	0.00	100.047	1.900	0.000
852	0.00	0.00	731.502	0.00	0.48	0.00	98.147	1.900	0.000
853	0.00	0.00	731.027	0.00	0.48	0.00	96.247	1.900	0.000
854	0.00	0.00	730.552	0.00	0.48	0.00	94.347	1.900	0.000
855	0.00	0.00	730.077	0.00	0.48	0.00	92.447	1.900	0.000
856	0.00	0.00	729.602	0.00	0.48	0.00	90.547	1.900	0.000
857	0.00	0.00	729.127	0.00	0.48	0.00	88.647	1.900	0.000
858	0.00	0.00	728.652	0.00	0.48	0.00	86.747	1.900	0.000
859	0.00	0.00	728.177	0.00	0.48	0.00	84.847	1.900	0.000
860	0.00	0.00	727.702	0.00	0.48	0.00	82.947	1.900	0.000
861	0.00	0.00	727.227	0.00	0.48	0.00	81.047	1.900	0.000
862	0.00	0.00	726.752	0.00	0.48	0.00	79.147	1.900	0.000
863	0.00	0.00	726.277	0.00	0.48	0.00	77.247	1.900	0.000
864	0.00	0.00	725.802	0.00	0.48	0.00	75.347	1.900	0.000
865	0.00	0.00	725.327	0.00	0.48	0.00	73.447	1.900	0.000
866	0.00	0.00	724.852	0.00	0.48	0.00	71.547	1.900	0.000
867	0.00	0.00	724.377	0.00	0.48	0.00	69.647	1.900	0.000
868	0.00	0.00	723.902	0.00	0.48	0.00	67.747	1.900	0.000
869	0.00	0.00	723.427	0.00	0.48	0.00	65.847	1.900	0.000
870	0.00	0.00	722.952	0.00	0.48	0.00	63.947	1.900	0.000
871	0.00	0.00	722.477	0.00	0.48	0.00	62.047	1.900	0.000
872	0.00	0.00	722.002	0.00	0.48	0.00	60.147	1.900	0.000
873	0.00	0.00	721.527	0.00	0.48	0.00	58.247	1.900	0.000
874	0.00	0.00	721.052	0.00	0.48	0.00	56.347	1.900	0.000
875	0.00	0.00	720.577	0.00	0.48	0.00	54.447	1.900	0.000
876	0.00	0.00	720.102	0.00	0.48	0.00	52.547	1.900	0.000
877	0.00	0.00	719.627	0.00	0.48	0.00	50.647	1.900	0.000
878	0.00	0.00	719.152	0.00	0.48	0.00	48.747	1.900	0.000
879	0.00	0.00	718.677	0.00	0.48	0.00	46.847	1.900	0.000
880	0.00	0.00	718.202	0.00	0.48	0.00	44.947	1.900	0.000
881	0.00	0.00	717.727	0.00	0.48	0.00	43.047	1.900	0.000
882	0.00	0.00	717.252	0.00	0.48	0.00	41.147	1.900	0.000
883	0.00	0.00	716.777	0.00	0.48	0.00	39.247	1.900	0.000
884	0.00	0.00	716.302	0.00	0.48	0.00	37.347	1.900	0.000
885	2.00	82.80	715.827	0.00	0.48	0.00	35.447	1.900	1041.18
886	0.00	0.00	715.352	0.00	0.48	0.00	33.547	1.900	0.000
887	0.00	0.00	714.877	0.00	0.48	0.00	31.647	1.900	0.000
888	0.00	0.00	714.402	0.00	0.48	0.00	29.747	1.900	0.000
889	0.00	0.00	713.927	0.00	0.48	0.00	27.847	1.900	0.000
890	0.00	0.00	713.452	0.00	0.48	0.00	25.947	1.900	0.000
891	0.00	0.00	712.977	0.00	0.48	0.00	24.047	1.900	0.000
892	0.00	0.00	712.502	0.00	0.48	0.00	22.147	1.900	0.000
893	0.00	0.00	712.027	0.00	0.48	0.00	20.247	1.900	0.000
894	0.00	0.00	711.552	0.00	0.48	0.00	18.347	1.900	0.000
895	0.00	0.00	711.077	0.00	0.48	0.00	16.447	1.900	0.000
896	0.00	0.00	710.602	0.00	0.48	0.00	14.547	1.900	0.000
897	0.00	0.00	710.127	0.00	0.48	0.00	12.647	1.900	0.000
898	0.00	0.00	709.652	0.00	0.48	0.00	10.747	1.900	0.000
899	0.00	0.00	709.177	0.00	0.48	0.00	8.847	1.900	0.000
900	0.00	0.00	708.702	0.00	0.48	0.00	6.947	1.900	0.000
901	0.00	0.00	708.227	0.00	0.48	0.00	5.047	1.900	0.000
902	0.00	0.00	707.752	0.00	0.48	0.00	3.147	1.900	0.000
903	0.00	0.00	707.277	0.00	0.48	0.00	1.247	1.247	0.000
904	0.00	0.00	706.802	0.00	0.48	0.00	0.000	0.000	0.000
905	0.00	0.00	706.327	0.00	0.48	0.00	0.000	0.000	0.000
906	0.00	0.00	705.852	0.00	0.48	0.00	0.000	0.000	0.000
907	0.00	0.00	705.377	0.00	0.48	0.00	0.000	0.000	0.000
908	0.00	0.00	704.902	0.00	0.48	0.00	0.000	0.000	0.000
909	0.00	0.00	704.427	0.00	0.48	0.00	0.000	0.000	0.000
910	0.00	0.00	703.952	0.00	0.48	0.00	0.000	0.000	0.000
911	0.00	0.00	703.477	0.00	0.48	0.00	0.000	0.000	0.000
912	0.00	0.00	703.002	0.00	0.48	0.00	0.000	0.000	0.000
913	0.00	0.00	702.527	0.00	0.48	0.00	0.000	0.000	0.000
914	0.00	0.00	702.052	0.00	0.48	0.00	0.000	0.000	0.000
915	0.00	0.00	701.577	0.00	0.48	0.00	0.000	0.000	0.000
916	0.00	0.00	701.102	0.00	0.48	0.00	0.000	0.000	0.000
917	0.00	0.00	700.627	0.00	0.48	0.00	0.000	0.000	0.000
918	0.00	0.00	700.152	0.00	0.48	0.00	0.000	0.000	0.000
919	0.00	0.00	699.677	0.00	0.48		0.000	0.000	0.000

Southern SMA Calculations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
920	0.00	0.00	699.202	0.00	0.48	0.00	0.000	0.000	0.000
921	0.00	0.00	698.727	0.00	0.48	0.00	0.000	0.000	0.000
922	0.00	0.00	698.252	0.00	0.48	0.00	0.000	0.000	0.000
923	0.00	0.00	697.777	0.00	0.48	0.00	0.000	0.000	0.000
924	0.00	0.00	697.302	0.00	0.48	0.00	0.000	0.000	0.000
925	0.00	0.00	696.827	0.00	0.48	0.00	0.000	0.000	0.000
926	0.00	0.00	696.352	0.00	0.48	0.00	0.000	0.000	0.000
927	0.00	0.00	695.877	0.00	0.48	0.00	0.000	0.000	0.000
928	0.00	0.00	695.402	0.00	0.48	0.00	0.000	0.000	0.000
929	0.00	0.00	694.927	0.00	0.48	0.00	0.000	0.000	0.000
930	0.00	0.00	694.452	0.00	0.48	0.00	0.000	0.000	0.000
931	0.00	0.00	693.977	0.00	0.48	0.00	0.000	0.000	0.000
932	0.00	0.00	693.502	0.00	0.48	0.00	0.000	0.000	0.000
933	0.00	0.00	693.027	0.00	0.48	0.00	0.000	0.000	0.000
934	0.00	0.00	692.552	0.00	0.48	0.00	0.000	0.000	0.000
935	0.00	0.00	692.077	0.00	0.48	0.00	0.000	0.000	0.000
936	0.00	0.00	691.602	0.00	0.48	0.00	0.000	0.000	0.000
937	0.00	0.00	691.127	0.00	0.48	0.00	0.000	0.000	0.000
938	0.00	0.00	690.652	0.00	0.48	0.00	0.000	0.000	0.000
939	0.00	0.00	690.177	0.00	0.48	0.00	0.000	0.000	0.000
940	0.00	0.00	689.702	0.00	0.48	0.00	0.000	0.000	0.000
941	0.00	0.00	689.227	0.00	0.48	0.00	0.000	0.000	0.000
942	0.00	0.00	688.752	0.00	0.48	0.00	0.000	0.000	0.000
943	0.00	0.00	688.277	0.00	0.48	0.00	0.000	0.000	0.000
944	0.00	0.00	687.802	0.00	0.48	0.00	0.000	0.000	0.000
945	0.00	0.00	687.327	0.00	0.48	0.00	0.000	0.000	0.000
946	0.00	0.00	686.852	0.00	0.48	0.00	0.000	0.000	0.000
947	0.00	0.00	686.377	0.00	0.48	0.00	0.000	0.000	0.000
948	0.00	0.00	685.902	0.00	0.48	0.00	0.000	0.000	0.000
949	0.00	0.00	685.427	0.00	0.48	0.00	0.000	0.000	0.000
950	0.00	0.00	684.952	0.00	0.48	0.00	0.000	0.000	0.000
951	0.00	0.00	684.477	0.00	0.48	0.00	0.000	0.000	0.000
952	0.00	0.00	684.002	0.00	0.48	0.00	0.000	0.000	0.000
953	0.00	0.00	683.527	0.00	0.48	0.00	0.000	0.000	0.000
954	0.00	0.00	683.052	0.00	0.48	0.00	0.000	0.000	0.000
955	0.00	0.00	682.577	0.00	0.48	0.00	0.000	0.000	0.000
956	0.00	0.00	682.102	0.00	0.48	0.00	0.000	0.000	0.000
957	0.00	0.00	681.627	0.00	0.48	0.00	0.000	0.000	0.000
958	0.00	0.00	681.152	0.00	0.48	0.00	0.000	0.000	0.000
959	0.00	0.00	680.677	0.00	0.48	0.00	0.000	0.000	0.000
960	0.00	0.00	680.202	0.00	0.48	0.00	0.000	0.000	0.000
961	0.00	0.00	679.727	0.00	0.48	0.00	0.000	0.000	0.000
962	0.00	0.00	679.252	0.00	0.48	0.00	0.000	0.000	0.000
963	0.00	0.00	678.777	0.00	0.48	0.00	0.000	0.000	0.000
964	0.00	0.00	678.302	0.00	0.48	0.00	0.000	0.000	0.000
965	0.00	0.00	677.827	0.00	0.48	0.00	0.000	0.000	0.000
966	0.00	0.00	677.352	0.00	0.48	0.00	0.000	0.000	0.000
967	0.00	0.00	676.877	0.00	0.48	0.00	0.000	0.000	0.000
968	0.00	0.00	676.402	0.00	0.48	0.00	0.000	0.000	0.000
969	0.00	0.00	675.927	0.00	0.48	0.00	0.000	0.000	0.000
970	0.00	0.00	675.452	0.00	0.48	0.00	0.000	0.000	0.000
971	0.00	0.00	674.977	0.00	0.48	0.00	0.000	0.000	0.000
972	0.00	0.00	674.502	0.00	0.48	0.00	0.000	0.000	0.000
973	0.00	0.00	674.027	0.00	0.48	0.00	0.000	0.000	0.000
974	0.00	0.00	673.552	0.00	0.48	0.00	0.000	0.000	0.000
975	0.00	0.00	673.077	0.00	0.48	0.00	0.000	0.000	0.000
976	0.00	0.00	672.602	0.00	0.48	0.00	0.000	0.000	0.000
977	0.00	0.00	672.127	0.00	0.48	0.00	0.000	0.000	0.000
978	0.00	0.00	671.652	0.00	0.48	0.00	0.000	0.000	0.000
979	0.00	0.00	671.177	0.00	0.48	0.00	0.000	0.000	0.000
980	0.00	0.00	670.702	0.00	0.48	0.00	0.000	0.000	0.000
981	0.00	0.00	670.227	0.00	0.48	0.00	0.000	0.000	0.000
982	0.00	0.00	669.752	0.00	0.48	0.00	0.000	0.000	0.000
983	0.00	0.00	669.277	0.00	0.48	0.00	0.000	0.000	0.000
984	0.00	0.00	668.802	0.00	0.48	0.00	0.000	0.000	0.000
985	0.00	0.00	668.327	0.00	0.48	0.00	0.000	0.000	0.000
986	0.00	0.00	667.852	0.00	0.48	0.00	0.000	0.000	0.000
987	0.00	0.00	667.377	0.00	0.48	0.00	0.000	0.000	0.000
988	2.00	0.00	666.902	0.00	0.48	0.00	0.000	0.000	0.000
989	0.00	0.00	666.427	0.00	0.48	0.00	0.000	0.000	0.000
990	0.00	0.00	665.952	0.00	0.48	0.00	0.000	0.000	0.000
991	0.00	0.00	665.477	0.00	0.48	0.00	0.000	0.000	0.000
992	0.00	0.00	665.002	0.00	0.48	0.00	0.000	0.000	0.000
993	0.00	0.00	664.527	0.00	0.48	0.00	0.000	0.000	0.000
994	0.00	0.00	664.052	0.00	0.48	0.00	0.000	0.000	0.000
995	0.00	0.00	663.577	0.00	0.48	0.00	0.000	0.000	0.000
996	0.00	0.00	663.102	0.00	0.48	0.00	0.000	0.000	0.000
997	0.00	0.00	662.627	0.00	0.48	0.00	0.000	0.000	0.000
998	0.00	0.00	662.152	0.00	0.48	0.00	0.000	0.000	0.000
999	0.00	0.00	661.677	0.00	0.48	0.00	0.000	0.000	0.000
1000	0.00	0.00	661.202	0.00	0.48	0.00	0.000	0.000	0.000
1001	0.00	0.00	660.727	0.00	0.48	0.00	0.000	0.000	0.000
1002	0.00	0.00	660.252	0.00	0.48	0.00	0.000	0.000	0.000
1003	0.00	0.00	659.777	0.00	0.48	0.00	0.000	0.000	0.000
1004	0.00	0.00	659.302	0.00	0.48	0.00	0.000	0.000	0.000
1005	0.00	0.00	658.827	0.00	0.48	0.00	0.000	0.000	0.000
1006	0.00	0.00	658.352	0.00	0.48	0.00	0.000	0.000	0.000
1007	0.00	0.00	657.877	0.00	0.48	0.00	0.000	0.000	0.000
1008	0.00	0.00	657.402	0.00	0.48	0.00	0.000	0.000	0.000
1009	0.00	0.00	656.927	0.00	0.48	0.00	0.000	0.000	0.000
1010	0.00	0.00	656.452	0.00	0.48	0.00	0.000	0.000	0.000
1011	0.00	0.00	655.977	0.00	0.48	0.00	0.000	0.000	0.000
1012	0.00	0.00	655.502	0.00	0.48	0.00	0.000	0.000	0.000
1013	0.00	0.00	655.027	0.00	0.48	0.00	0.000	0.000	0.000
1014	0.00	0.00	654.552	0.00	0.48	0.00	0.000	0.000	0.000
1015	0.00	0.00	654.077	0.00	0.48	0.00	0.000	0.000	0.000
1016	0.00	0.00	653.602	0.00	0.48	0.00	0.000	0.000	0.000
1017	0.00	0.00	653.127	0.00	0.48	0.00	0.000	0.000	0.000
1018	0.00	0.00	652.652	0.00	0.48	0.00	0.000	0.000	0.000
1019	0.00	0.00	652.177	0.00	0.48	0.00	0.000	0.000	0.000
1020	0.00	0.00	651.702	0.00	0.48	0.00	0.000	0.000	0.000
1021	0.00	0.00	651.227	0.00	0.48	0.00	0.000	0.000	0.000
1022	0.00	0.00	650.752	0.00	0.48	0.00	0.000	0.000	0.000

Southern SMA Calculations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			**Final Basin Soakpit Volume:**	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1023	0.00	0.00	650.277	0.00	0.48	0.00	0.000	0.000	0.000
1024	0.00	0.00	649.802	0.00	0.48	0.00	0.000	0.000	0.000
1025	0.00	0.00	649.327	0.00	0.48	0.00	0.000	0.000	0.000
1026	0.00	0.00	648.852	0.00	0.48	0.00	0.000	0.000	0.000
1027	0.00	0.00	648.377	0.00	0.48	0.00	0.000	0.000	0.000
1028	0.00	0.00	647.902	0.00	0.48	0.00	0.000	0.000	0.000
1029	0.00	0.00	647.427	0.00	0.48	0.00	0.000	0.000	0.000
1030	0.00	0.00	646.952	0.00	0.48	0.00	0.000	0.000	0.000
1031	0.00	0.00	646.477	0.00	0.48	0.00	0.000	0.000	0.000
1032	0.00	0.00	646.002	0.00	0.48	0.00	0.000	0.000	0.000
1033	0.00	0.00	645.527	0.00	0.48	0.00	0.000	0.000	0.000
1034	0.00	0.00	645.052	0.00	0.48	0.00	0.000	0.000	0.000
1035	0.00	0.00	644.577	0.00	0.48	0.00	0.000	0.000	0.000
1036	0.00	0.00	644.102	0.00	0.48	0.00	0.000	0.000	0.000
1037	0.00	0.00	643.627	0.00	0.48	0.00	0.000	0.000	0.000
1038	0.00	0.00	643.152	0.00	0.48	0.00	0.000	0.000	0.000
1039	0.00	0.00	642.677	0.00	0.48	0.00	0.000	0.000	0.000
1040	0.00	0.00	642.202	0.00	0.48	0.00	0.000	0.000	0.000
1041	0.00	0.00	641.727	0.00	0.48	0.00	0.000	0.000	0.000
1042	0.00	0.00	641.252	0.00	0.48	0.00	0.000	0.000	0.000
1043	0.00	0.00	640.777	0.00	0.48	0.00	0.000	0.000	0.000
1044	0.00	0.00	640.302	0.00	0.48	0.00	0.000	0.000	0.000
1045	0.00	0.00	639.827	0.00	0.48	0.00	0.000	0.000	0.000
1046	0.00	0.00	639.352	0.00	0.48	0.00	0.000	0.000	0.000
1047	0.00	0.00	638.877	0.00	0.48	0.00	0.000	0.000	0.000
1048	0.00	0.00	638.402	0.00	0.48	0.00	0.000	0.000	0.000
1049	0.00	0.00	637.927	0.00	0.48	0.00	0.000	0.000	0.000
1050	0.00	0.00	637.452	0.00	0.48	0.00	0.000	0.000	0.000
1051	0.00	0.00	636.977	0.00	0.48	0.00	0.000	0.000	0.000
1052	0.00	0.00	636.502	0.00	0.48	0.00	0.000	0.000	0.000
1053	0.00	0.00	636.027	0.00	0.48	0.00	0.000	0.000	0.000
1054	0.00	0.00	635.552	0.00	0.48	0.00	0.000	0.000	0.000
1055	0.00	0.00	635.077	0.00	0.48	0.00	0.000	0.000	0.000
1056	0.00	0.00	634.602	0.00	0.48	0.00	0.000	0.000	0.000
1057	0.00	0.00	634.127	0.00	0.48	0.00	0.000	0.000	0.000
1058	0.00	0.00	633.652	0.00	0.48	0.00	0.000	0.000	0.000
1059	0.00	0.00	633.177	0.00	0.48	0.00	0.000	0.000	0.000
1060	0.00	0.00	632.702	0.00	0.48	0.00	0.000	0.000	0.000
1061	0.00	0.00	632.227	0.00	0.48	0.00	0.000	0.000	0.000
1062	0.00	0.00	631.752	0.00	0.48	0.00	0.000	0.000	0.000
1063	0.00	0.00	631.277	0.00	0.48	0.00	0.000	0.000	0.000
1064	0.00	0.00	630.802	0.00	0.48	0.00	0.000	0.000	0.000
1065	0.00	0.00	630.327	0.00	0.48	0.00	0.000	0.000	0.000
1066	0.00	0.00	629.852	0.00	0.48	0.00	0.000	0.000	0.000
1067	0.00	0.00	629.377	0.00	0.48	0.00	0.000	0.000	0.000
1068	0.00	0.00	628.902	0.00	0.48	0.00	0.000	0.000	0.000
1069	0.00	0.00	628.427	0.00	0.48	0.00	0.000	0.000	0.000
1070	0.00	0.00	627.952	0.00	0.48	0.00	0.000	0.000	0.000
1071	0.00	0.00	627.477	0.00	0.48	0.00	0.000	0.000	0.000
1072	0.00	0.00	627.002	0.00	0.48	0.00	0.000	0.000	0.000
1073	0.00	0.00	626.527	0.00	0.48	0.00	0.000	0.000	0.000
1074	0.00	0.00	626.052	0.00	0.48	0.00	0.000	0.000	0.000
1075	0.00	0.00	625.577	0.00	0.48	0.00	0.000	0.000	0.000
1076	0.00	0.00	625.102	0.00	0.48	0.00	0.000	0.000	0.000
1077	0.00	0.00	624.627	0.00	0.48	0.00	0.000	0.000	0.000
1078	0.00	0.00	624.152	0.00	0.48	0.00	0.000	0.000	0.000
1079	0.00	0.00	623.677	0.00	0.48	0.00	0.000	0.000	0.000
1080	0.00	0.00	623.202	0.00	0.48	0.00	0.000	0.000	0.000
1081	0.00	0.00	622.727	0.00	0.48	0.00	0.000	0.000	0.000
1082	0.00	0.00	622.252	0.00	0.48	0.00	0.000	0.000	0.000
1083	0.00	0.00	621.777	0.00	0.48	0.00	0.000	0.000	0.000
1084	0.00	0.00	621.302	0.00	0.48	0.00	0.000	0.000	0.000
1085	0.00	0.00	620.827	0.00	0.48	0.00	0.000	0.000	0.000
1086	0.00	0.00	620.352	0.00	0.48	0.00	0.000	0.000	0.000
1087	0.00	0.00	619.877	0.00	0.48	0.00	0.000	0.000	0.000
1088	0.00	0.00	619.402	0.00	0.48	0.00	0.000	0.000	0.000
1089	0.00	0.00	618.927	0.00	0.48	0.00	0.000	0.000	0.000
1090	0.00	0.00	618.452	0.00	0.48	0.00	0.000	0.000	0.000
1091	2.00	0.00	617.977	0.00	0.48	0.00	0.000	0.000	0.000
1092	0.00	0.00	617.502	0.00	0.48	0.00	0.000	0.000	0.000
1093	0.00	0.00	617.027	0.00	0.48	0.00	0.000	0.000	0.000
1094	0.00	0.00	616.552	0.00	0.48	0.00	0.000	0.000	0.000
1095	0.00	0.00	616.077	0.00	0.48	0.00	0.000	0.000	0.000
1096	0.00	0.00	615.602	0.00	0.48	0.00	0.000	0.000	0.000
1097	0.00	0.00	615.127	0.00	0.48	0.00	0.000	0.000	0.000
1098	0.00	0.00	614.652	0.00	0.48	0.00	0.000	0.000	0.000
1099	0.00	0.00	614.177	0.00	0.48	0.00	0.000	0.000	0.000
1100	0.00	0.00	613.702	0.00	0.48	0.00	0.000	0.000	0.000
1101	0.00	0.00	613.227	0.00	0.48	0.00	0.000	0.000	0.000
1102	0.00	0.00	612.752	0.00	0.48	0.00	0.000	0.000	0.000
1103	0.00	0.00	612.277	0.00	0.48	0.00	0.000	0.000	0.000
1104	0.00	0.00	611.802	0.00	0.48	0.00	0.000	0.000	0.000
1105	0.00	0.00	611.327	0.00	0.48	0.00	0.000	0.000	0.000
1106	0.00	0.00	610.852	0.00	0.48	0.00	0.000	0.000	0.000
1107	0.00	0.00	610.377	0.00	0.48	0.00	0.000	0.000	0.000
1108	0.00	0.00	609.902	0.00	0.48	0.00	0.000	0.000	0.000
1109	0.00	0.00	609.427	0.00	0.48	0.00	0.000	0.000	0.000
1110	0.00	0.00	608.952	0.00	0.48	0.00	0.000	0.000	0.000
1111	0.00	0.00	608.477	0.00	0.48	0.00	0.000	0.000	0.000
1112	0.00	0.00	608.002	0.00	0.48	0.00	0.000	0.000	0.000
1113	0.00	0.00	607.527	0.00	0.48	0.00	0.000	0.000	0.000
1114	0.00	0.00	607.052	0.00	0.48	0.00	0.000	0.000	0.000
1115	0.00	0.00	606.577	0.00	0.48	0.00	0.000	0.000	0.000
1116	0.00	0.00	606.102	0.00	0.48	0.00	0.000	0.000	0.000
1117	0.00	0.00	605.627	0.00	0.48	0.00	0.000	0.000	0.000
1118	0.00	0.00	605.152	0.00	0.48	0.00	0.000	0.000	0.000
1119	0.00	0.00	604.677	0.00	0.48	0.00	0.000	0.000	0.000
1120	0.00	0.00	604.202	0.00	0.48	0.00	0.000	0.000	0.000
1121	0.00	0.00	603.727	0.00	0.48	0.00	0.000	0.000	0.000
1122	0.00	0.00	603.252	0.00	0.48	0.00	0.000	0.000	0.000
1123	0.00	0.00	602.777	0.00	0.48	0.00	0.000	0.000	0.000
1124	0.00	0.00	602.302	0.00	0.48	0.00	0.000	0.000	0.000
1125	0.00	0.00	601.827	0.00	0.48	0.00	0.000	0.000	0.000

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	1779.174			**Final Basin Soakpit Volume:**	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1126	0.00	0.00	601.352	0.00	0.48	0.00	0.000	0.000	0.000
1127	0.00	0.00	600.877	0.00	0.48	0.00	0.000	0.000	0.000
1128	0.00	0.00	600.402	0.00	0.48	0.00	0.000	0.000	0.000
1129	0.00	0.00	599.927	0.00	0.48	0.00	0.000	0.000	0.000
1130	0.00	0.00	599.452	0.00	0.48	0.00	0.000	0.000	0.000
1131	0.00	0.00	598.977	0.00	0.48	0.00	0.000	0.000	0.000
1132	0.00	0.00	598.502	0.00	0.48	0.00	0.000	0.000	0.000
1133	0.00	0.00	598.027	0.00	0.48	0.00	0.000	0.000	0.000
1134	0.00	0.00	597.552	0.00	0.48	0.00	0.000	0.000	0.000
1135	0.00	0.00	597.077	0.00	0.48	0.00	0.000	0.000	0.000
1136	0.00	0.00	596.602	0.00	0.48	0.00	0.000	0.000	0.000
1137	0.00	0.00	596.127	0.00	0.48	0.00	0.000	0.000	0.000
1138	0.00	0.00	595.652	0.00	0.48	0.00	0.000	0.000	0.000
1139	0.00	0.00	595.177	0.00	0.48	0.00	0.000	0.000	0.000
1140	0.00	0.00	594.702	0.00	0.48	0.00	0.000	0.000	0.000
1141	0.00	0.00	594.227	0.00	0.48	0.00	0.000	0.000	0.000
1142	0.00	0.00	593.752	0.00	0.48	0.00	0.000	0.000	0.000
1143	0.00	0.00	593.277	0.00	0.48	0.00	0.000	0.000	0.000
1144	0.00	0.00	592.802	0.00	0.48	0.00	0.000	0.000	0.000
1145	0.00	0.00	592.327	0.00	0.48	0.00	0.000	0.000	0.000
1146	0.00	0.00	591.852	0.00	0.48	0.00	0.000	0.000	0.000
1147	0.00	0.00	591.377	0.00	0.48	0.00	0.000	0.000	0.000
1148	0.00	0.00	590.902	0.00	0.48	0.00	0.000	0.000	0.000
1149	0.00	0.00	590.427	0.00	0.48	0.00	0.000	0.000	0.000
1150	0.00	0.00	589.952	0.00	0.48	0.00	0.000	0.000	0.000
1151	0.00	0.00	589.477	0.00	0.48	0.00	0.000	0.000	0.000
1152	0.00	0.00	589.002	0.00	0.48	0.00	0.000	0.000	0.000
1153	0.00	0.00	588.527	0.00	0.48	0.00	0.000	0.000	0.000
1154	0.00	0.00	588.052	0.00	0.48	0.00	0.000	0.000	0.000
1155	0.00	0.00	587.577	0.00	0.48	0.00	0.000	0.000	0.000
1156	0.00	0.00	587.102	0.00	0.48	0.00	0.000	0.000	0.000
1157	0.00	0.00	586.627	0.00	0.48	0.00	0.000	0.000	0.000
1158	0.00	0.00	586.152	0.00	0.48	0.00	0.000	0.000	0.000
1159	0.00	0.00	585.677	0.00	0.48	0.00	0.000	0.000	0.000
1160	0.00	0.00	585.202	0.00	0.48	0.00	0.000	0.000	0.000
1161	0.00	0.00	584.727	0.00	0.48	0.00	0.000	0.000	0.000
1162	0.00	0.00	584.252	0.00	0.48	0.00	0.000	0.000	0.000
1163	0.00	0.00	583.777	0.00	0.48	0.00	0.000	0.000	0.000
1164	0.00	0.00	583.302	0.00	0.48	0.00	0.000	0.000	0.000
1165	0.00	0.00	582.827	0.00	0.48	0.00	0.000	0.000	0.000
1166	0.00	0.00	582.352	0.00	0.48	0.00	0.000	0.000	0.000
1167	0.00	0.00	581.877	0.00	0.48	0.00	0.000	0.000	0.000
1168	0.00	0.00	581.402	0.00	0.48	0.00	0.000	0.000	0.000
1169	0.00	0.00	580.927	0.00	0.48	0.00	0.000	0.000	0.000
1170	0.00	0.00	580.452	0.00	0.48	0.00	0.000	0.000	0.000
1171	0.00	0.00	579.977	0.00	0.48	0.00	0.000	0.000	0.000
1172	0.00	0.00	579.502	0.00	0.48	0.00	0.000	0.000	0.000
1173	0.00	0.00	579.027	0.00	0.48	0.00	0.000	0.000	0.000
1174	0.00	0.00	578.552	0.00	0.48	0.00	0.000	0.000	0.000
1175	0.00	0.00	578.077	0.00	0.48	0.00	0.000	0.000	0.000
1176	0.00	0.00	577.602	0.00	0.48	0.00	0.000	0.000	0.000
1177	0.00	0.00	577.127	0.00	0.48	0.00	0.000	0.000	0.000
1178	0.00	0.00	576.652	0.00	0.48	0.00	0.000	0.000	0.000
1179	0.00	0.00	576.177	0.00	0.48	0.00	0.000	0.000	0.000
1180	0.00	0.00	575.702	0.00	0.48	0.00	0.000	0.000	0.000
1181	0.00	0.00	575.227	0.00	0.48	0.00	0.000	0.000	0.000
1182	0.00	0.00	574.752	0.00	0.48	0.00	0.000	0.000	0.000
1183	0.00	0.00	574.277	0.00	0.48	0.00	0.000	0.000	0.000
1184	0.00	0.00	573.802	0.00	0.48	0.00	0.000	0.000	0.000
1185	0.00	0.00	573.327	0.00	0.48	0.00	0.000	0.000	0.000
1186	0.00	0.00	572.852	0.00	0.48	0.00	0.000	0.000	0.000
1187	0.00	0.00	572.377	0.00	0.48	0.00	0.000	0.000	0.000
1188	0.00	0.00	571.902	0.00	0.48	0.00	0.000	0.000	0.000
1189	0.00	0.00	571.427	0.00	0.48	0.00	0.000	0.000	0.000
1190	0.00	0.00	570.952	0.00	0.48	0.00	0.000	0.000	0.000
1191	0.00	0.00	570.477	0.00	0.48	0.00	0.000	0.000	0.000
1192	0.00	0.00	570.002	0.00	0.48	0.00	0.000	0.000	0.000
1193	0.00	0.00	569.527	0.00	0.48	0.00	0.000	0.000	0.000
1194	2.00	0.00	569.052	0.00	0.48	0.00	0.000	0.000	0.000
1195	0.00	0.00	568.577	0.00	0.48	0.00	0.000	0.000	0.000
1196	0.00	0.00	568.102	0.00	0.48	0.00	0.000	0.000	0.000
1197	0.00	0.00	567.627	0.00	0.48	0.00	0.000	0.000	0.000
1198	0.00	0.00	567.152	0.00	0.48	0.00	0.000	0.000	0.000
1199	0.00	0.00	566.677	0.00	0.48	0.00	0.000	0.000	0.000
1200	0.00	0.00	566.202	0.00	0.48	0.00	0.000	0.000	0.000
1201	0.00	0.00	565.727	0.00	0.48	0.00	0.000	0.000	0.000
1202	0.00	0.00	565.252	0.00	0.48	0.00	0.000	0.000	0.000
1203	0.00	0.00	564.777	0.00	0.48	0.00	0.000	0.000	0.000
1204	0.00	0.00	564.302	0.00	0.48	0.00	0.000	0.000	0.000
1205	0.00	0.00	563.827	0.00	0.48	0.00	0.000	0.000	0.000
1206	0.00	0.00	563.352	0.00	0.48	0.00	0.000	0.000	0.000
1207	0.00	0.00	562.877	0.00	0.48	0.00	0.000	0.000	0.000
1208	0.00	0.00	562.402	0.00	0.48	0.00	0.000	0.000	0.000
1209	0.00	0.00	561.927	0.00	0.48	0.00	0.000	0.000	0.000
1210	0.00	0.00	561.452	0.00	0.48	0.00	0.000	0.000	0.000
1211	0.00	0.00	560.977	0.00	0.48	0.00	0.000	0.000	0.000
1212	0.00	0.00	560.502	0.00	0.48	0.00	0.000	0.000	0.000
1213	0.00	0.00	560.027	0.00	0.48	0.00	0.000	0.000	0.000
1214	0.00	0.00	559.552	0.00	0.48	0.00	0.000	0.000	0.000
1215	0.00	0.00	559.077	0.00	0.48	0.00	0.000	0.000	0.000
1216	0.00	0.00	558.602	0.00	0.48	0.00	0.000	0.000	0.000
1217	0.00	0.00	558.127	0.00	0.48	0.00	0.000	0.000	0.000
1218	0.00	0.00	557.652	0.00	0.48	0.00	0.000	0.000	0.000
1219	0.00	0.00	557.177	0.00	0.48	0.00	0.000	0.000	0.000
1220	0.00	0.00	556.702	0.00	0.48	0.00	0.000	0.000	0.000
1221	0.00	0.00	556.227	0.00	0.48	0.00	0.000	0.000	0.000
1222	0.00	0.00	555.752	0.00	0.48	0.00	0.000	0.000	0.000
1223	0.00	0.00	555.277	0.00	0.48	0.00	0.000	0.000	0.000
1224	0.00	0.00	554.802	0.00	0.48	0.00	0.000	0.000	0.000
1225	0.00	0.00	554.327	0.00	0.48	0.00	0.000	0.000	0.000
1226	0.00	0.00	553.852	0.00	0.48	0.00	0.000	0.000	0.000
1227	0.00	0.00	553.377	0.00	0.48	0.00	0.000	0.000	0.000
1228	0.00	0.00	552.902	0.00	0.48	0.00	0.000	0.000	0.000

	Set up Design Storm		Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	1779.174			**Final Basin Soakpit Volume:**	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1229	0.00	0.00	552.427	0.00	0.48	0.00	0.000	0.000	0.000
1230	0.00	0.00	551.952	0.00	0.48	0.00	0.000	0.000	0.000
1231	0.00	0.00	551.477	0.00	0.48	0.00	0.000	0.000	0.000
1232	0.00	0.00	551.002	0.00	0.48	0.00	0.000	0.000	0.000
1233	0.00	0.00	550.527	0.00	0.48	0.00	0.000	0.000	0.000
1234	0.00	0.00	550.052	0.00	0.48	0.00	0.000	0.000	0.000
1235	0.00	0.00	549.577	0.00	0.48	0.00	0.000	0.000	0.000
1236	0.00	0.00	549.102	0.00	0.48	0.00	0.000	0.000	0.000
1237	0.00	0.00	548.627	0.00	0.48	0.00	0.000	0.000	0.000
1238	0.00	0.00	548.152	0.00	0.48	0.00	0.000	0.000	0.000
1239	0.00	0.00	547.677	0.00	0.48	0.00	0.000	0.000	0.000
1240	0.00	0.00	547.202	0.00	0.48	0.00	0.000	0.000	0.000
1241	0.00	0.00	546.727	0.00	0.48	0.00	0.000	0.000	0.000
1242	0.00	0.00	546.252	0.00	0.48	0.00	0.000	0.000	0.000
1243	0.00	0.00	545.777	0.00	0.48	0.00	0.000	0.000	0.000
1244	0.00	0.00	545.302	0.00	0.48	0.00	0.000	0.000	0.000
1245	0.00	0.00	544.827	0.00	0.48	0.00	0.000	0.000	0.000
1246	0.00	0.00	544.352	0.00	0.48	0.00	0.000	0.000	0.000
1247	0.00	0.00	543.877	0.00	0.48	0.00	0.000	0.000	0.000
1248	0.00	0.00	543.402	0.00	0.48	0.00	0.000	0.000	0.000
1249	0.00	0.00	542.927	0.00	0.48	0.00	0.000	0.000	0.000
1250	0.00	0.00	542.452	0.00	0.48	0.00	0.000	0.000	0.000
1251	0.00	0.00	541.977	0.00	0.48	0.00	0.000	0.000	0.000
1252	0.00	0.00	541.502	0.00	0.48	0.00	0.000	0.000	0.000
1253	0.00	0.00	541.027	0.00	0.48	0.00	0.000	0.000	0.000
1254	0.00	0.00	540.552	0.00	0.48	0.00	0.000	0.000	0.000
1255	0.00	0.00	540.077	0.00	0.48	0.00	0.000	0.000	0.000
1256	0.00	0.00	539.602	0.00	0.48	0.00	0.000	0.000	0.000
1257	0.00	0.00	539.127	0.00	0.48	0.00	0.000	0.000	0.000
1258	0.00	0.00	538.652	0.00	0.48	0.00	0.000	0.000	0.000
1259	0.00	0.00	538.177	0.00	0.48	0.00	0.000	0.000	0.000
1260	0.00	0.00	537.702	0.00	0.48	0.00	0.000	0.000	0.000
1261	0.00	0.00	537.227	0.00	0.48	0.00	0.000	0.000	0.000
1262	0.00	0.00	536.752	0.00	0.48	0.00	0.000	0.000	0.000
1263	0.00	0.00	536.277	0.00	0.48	0.00	0.000	0.000	0.000
1264	0.00	0.00	535.802	0.00	0.48	0.00	0.000	0.000	0.000
1265	0.00	0.00	535.327	0.00	0.48	0.00	0.000	0.000	0.000
1266	0.00	0.00	534.852	0.00	0.48	0.00	0.000	0.000	0.000
1267	0.00	0.00	534.377	0.00	0.48	0.00	0.000	0.000	0.000
1268	0.00	0.00	533.902	0.00	0.48	0.00	0.000	0.000	0.000
1269	0.00	0.00	533.427	0.00	0.48	0.00	0.000	0.000	0.000
1270	0.00	0.00	532.952	0.00	0.48	0.00	0.000	0.000	0.000
1271	0.00	0.00	532.477	0.00	0.48	0.00	0.000	0.000	0.000
1272	0.00	0.00	532.002	0.00	0.48	0.00	0.000	0.000	0.000
1273	0.00	0.00	531.527	0.00	0.48	0.00	0.000	0.000	0.000
1274	0.00	0.00	531.052	0.00	0.48	0.00	0.000	0.000	0.000
1275	0.00	0.00	530.577	0.00	0.48	0.00	0.000	0.000	0.000
1276	0.00	0.00	530.102	0.00	0.48	0.00	0.000	0.000	0.000
1277	0.00	0.00	529.627	0.00	0.48	0.00	0.000	0.000	0.000
1278	0.00	0.00	529.152	0.00	0.48	0.00	0.000	0.000	0.000
1279	0.00	0.00	528.677	0.00	0.48	0.00	0.000	0.000	0.000
1280	0.00	0.00	528.202	0.00	0.48	0.00	0.000	0.000	0.000
1281	0.00	0.00	527.727	0.00	0.48	0.00	0.000	0.000	0.000
1282	0.00	0.00	527.252	0.00	0.48	0.00	0.000	0.000	0.000
1283	0.00	0.00	526.777	0.00	0.48	0.00	0.000	0.000	0.000
1284	0.00	0.00	526.302	0.00	0.48	0.00	0.000	0.000	0.000
1285	0.00	0.00	525.827	0.00	0.48	0.00	0.000	0.000	0.000
1286	0.00	0.00	525.352	0.00	0.48	0.00	0.000	0.000	0.000
1287	0.00	0.00	524.877	0.00	0.48	0.00	0.000	0.000	0.000
1288	0.00	0.00	524.402	0.00	0.48	0.00	0.000	0.000	0.000
1289	0.00	0.00	523.927	0.00	0.48	0.00	0.000	0.000	0.000
1290	0.00	0.00	523.452	0.00	0.48	0.00	0.000	0.000	0.000
1291	0.00	0.00	522.977	0.00	0.48	0.00	0.000	0.000	0.000
1292	0.00	0.00	522.502	0.00	0.48	0.00	0.000	0.000	0.000
1293	0.00	0.00	522.027	0.00	0.48	0.00	0.000	0.000	0.000
1294	0.00	0.00	521.552	0.00	0.48	0.00	0.000	0.000	0.000
1295	0.00	0.00	521.077	0.00	0.48	0.00	0.000	0.000	0.000
1296	0.00	0.00	520.602	0.00	0.48	0.00	0.000	0.000	0.000
1297	2.00	0.00	520.127	0.00	0.48	0.00	0.000	0.000	0.000
1298	0.00	0.00	519.652	0.00	0.48	0.00	0.000	0.000	0.000
1299	0.00	0.00	519.177	0.00	0.48	0.00	0.000	0.000	0.000
1300	0.00	0.00	518.702	0.00	0.48	0.00	0.000	0.000	0.000
1301	0.00	0.00	518.227	0.00	0.48	0.00	0.000	0.000	0.000
1302	0.00	0.00	517.752	0.00	0.48	0.00	0.000	0.000	0.000
1303	0.00	0.00	517.277	0.00	0.48	0.00	0.000	0.000	0.000
1304	0.00	0.00	516.802	0.00	0.48	0.00	0.000	0.000	0.000
1305	0.00	0.00	516.327	0.00	0.48	0.00	0.000	0.000	0.000
1306	0.00	0.00	515.852	0.00	0.48	0.00	0.000	0.000	0.000
1307	0.00	0.00	515.377	0.00	0.48	0.00	0.000	0.000	0.000
1308	0.00	0.00	514.902	0.00	0.48	0.00	0.000	0.000	0.000
1309	0.00	0.00	514.427	0.00	0.48	0.00	0.000	0.000	0.000
1310	0.00	0.00	513.952	0.00	0.48	0.00	0.000	0.000	0.000
1311	0.00	0.00	513.477	0.00	0.48	0.00	0.000	0.000	0.000
1312	0.00	0.00	513.002	0.00	0.48	0.00	0.000	0.000	0.000
1313	0.00	0.00	512.527	0.00	0.48	0.00	0.000	0.000	0.000
1314	0.00	0.00	512.052	0.00	0.48	0.00	0.000	0.000	0.000
1315	0.00	0.00	511.577	0.00	0.48	0.00	0.000	0.000	0.000
1316	0.00	0.00	511.102	0.00	0.48	0.00	0.000	0.000	0.000
1317	0.00	0.00	510.627	0.00	0.48	0.00	0.000	0.000	0.000
1318	0.00	0.00	510.152	0.00	0.48	0.00	0.000	0.000	0.000
1319	0.00	0.00	509.677	0.00	0.48	0.00	0.000	0.000	0.000
1320	0.00	0.00	509.202	0.00	0.48	0.00	0.000	0.000	0.000
1321	0.00	0.00	508.727	0.00	0.48	0.00	0.000	0.000	0.000
1322	0.00	0.00	508.252	0.00	0.48	0.00	0.000	0.000	0.000
1323	0.00	0.00	507.777	0.00	0.48	0.00	0.000	0.000	0.000
1324	0.00	0.00	507.302	0.00	0.48	0.00	0.000	0.000	0.000
1325	0.00	0.00	506.827	0.00	0.48	0.00	0.000	0.000	0.000
1326	0.00	0.00	506.352	0.00	0.48	0.00	0.000	0.000	0.000
1327	0.00	0.00	505.877	0.00	0.48	0.00	0.000	0.000	0.000
1328	0.00	0.00	505.402	0.00	0.48	0.00	0.000	0.000	0.000
1329	0.00	0.00	504.927	0.00	0.48	0.00	0.000	0.000	0.000
1330	0.00	0.00	504.452	0.00	0.48	0.00	0.000	0.000	0.000
1331	0.00	0.00	503.977	0.00	0.48	0.00	0.000	0.000	0.000

Southern SMA Calculations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			**Final Basin Soakpit Volume:**	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1332	0.00	0.00	503.502	0.00	0.48	0.00	0.000	0.000	0.000
1333	0.00	0.00	503.027	0.00	0.48	0.00	0.000	0.000	0.000
1334	0.00	0.00	502.552	0.00	0.48	0.00	0.000	0.000	0.000
1335	0.00	0.00	502.077	0.00	0.48	0.00	0.000	0.000	0.000
1336	0.00	0.00	501.602	0.00	0.48	0.00	0.000	0.000	0.000
1337	0.00	0.00	501.127	0.00	0.48	0.00	0.000	0.000	0.000
1338	0.00	0.00	500.652	0.00	0.48	0.00	0.000	0.000	0.000
1339	0.00	0.00	500.177	0.00	0.48	0.00	0.000	0.000	0.000
1340	0.00	0.00	499.702	0.00	0.48	0.00	0.000	0.000	0.000
1341	0.00	0.00	499.227	0.00	0.48	0.00	0.000	0.000	0.000
1342	0.00	0.00	498.752	0.00	0.48	0.00	0.000	0.000	0.000
1343	0.00	0.00	498.277	0.00	0.48	0.00	0.000	0.000	0.000
1344	0.00	0.00	497.802	0.00	0.48	0.00	0.000	0.000	0.000
1345	0.00	0.00	497.327	0.00	0.48	0.00	0.000	0.000	0.000
1346	0.00	0.00	496.852	0.00	0.48	0.00	0.000	0.000	0.000
1347	0.00	0.00	496.377	0.00	0.48	0.00	0.000	0.000	0.000
1348	0.00	0.00	495.902	0.00	0.48	0.00	0.000	0.000	0.000
1349	0.00	0.00	495.427	0.00	0.48	0.00	0.000	0.000	0.000
1350	0.00	0.00	494.952	0.00	0.48	0.00	0.000	0.000	0.000
1351	0.00	0.00	494.477	0.00	0.48	0.00	0.000	0.000	0.000
1352	0.00	0.00	494.002	0.00	0.48	0.00	0.000	0.000	0.000
1353	0.00	0.00	493.527	0.00	0.48	0.00	0.000	0.000	0.000
1354	0.00	0.00	493.052	0.00	0.48	0.00	0.000	0.000	0.000
1355	0.00	0.00	492.577	0.00	0.48	0.00	0.000	0.000	0.000
1356	0.00	0.00	492.102	0.00	0.48	0.00	0.000	0.000	0.000
1357	0.00	0.00	491.627	0.00	0.48	0.00	0.000	0.000	0.000
1358	0.00	0.00	491.152	0.00	0.48	0.00	0.000	0.000	0.000
1359	0.00	0.00	490.677	0.00	0.48	0.00	0.000	0.000	0.000
1360	0.00	0.00	490.202	0.00	0.48	0.00	0.000	0.000	0.000
1361	0.00	0.00	489.727	0.00	0.48	0.00	0.000	0.000	0.000
1362	0.00	0.00	489.252	0.00	0.48	0.00	0.000	0.000	0.000
1363	0.00	0.00	488.777	0.00	0.48	0.00	0.000	0.000	0.000
1364	0.00	0.00	488.302	0.00	0.48	0.00	0.000	0.000	0.000
1365	0.00	0.00	487.827	0.00	0.48	0.00	0.000	0.000	0.000
1366	0.00	0.00	487.352	0.00	0.48	0.00	0.000	0.000	0.000
1367	0.00	0.00	486.877	0.00	0.48	0.00	0.000	0.000	0.000
1368	0.00	0.00	486.402	0.00	0.48	0.00	0.000	0.000	0.000
1369	0.00	0.00	485.927	0.00	0.48	0.00	0.000	0.000	0.000
1370	0.00	0.00	485.452	0.00	0.48	0.00	0.000	0.000	0.000
1371	0.00	0.00	484.977	0.00	0.48	0.00	0.000	0.000	0.000
1372	0.00	0.00	484.502	0.00	0.48	0.00	0.000	0.000	0.000
1373	0.00	0.00	484.027	0.00	0.48	0.00	0.000	0.000	0.000
1374	0.00	0.00	483.552	0.00	0.48	0.00	0.000	0.000	0.000
1375	0.00	0.00	483.077	0.00	0.48	0.00	0.000	0.000	0.000
1376	0.00	0.00	482.602	0.00	0.48	0.00	0.000	0.000	0.000
1377	0.00	0.00	482.127	0.00	0.48	0.00	0.000	0.000	0.000
1378	0.00	0.00	481.652	0.00	0.48	0.00	0.000	0.000	0.000
1379	0.00	0.00	481.177	0.00	0.48	0.00	0.000	0.000	0.000
1380	0.00	0.00	480.702	0.00	0.48	0.00	0.000	0.000	0.000
1381	0.00	0.00	480.227	0.00	0.48	0.00	0.000	0.000	0.000
1382	0.00	0.00	479.752	0.00	0.48	0.00	0.000	0.000	0.000
1383	0.00	0.00	479.277	0.00	0.48	0.00	0.000	0.000	0.000
1384	0.00	0.00	478.802	0.00	0.48	0.00	0.000	0.000	0.000
1385	0.00	0.00	478.327	0.00	0.48	0.00	0.000	0.000	0.000
1386	0.00	0.00	477.852	0.00	0.48	0.00	0.000	0.000	0.000
1387	0.00	0.00	477.377	0.00	0.48	0.00	0.000	0.000	0.000
1388	0.00	0.00	476.902	0.00	0.48	0.00	0.000	0.000	0.000
1389	0.00	0.00	476.427	0.00	0.48	0.00	0.000	0.000	0.000
1390	0.00	0.00	475.952	0.00	0.48	0.00	0.000	0.000	0.000
1391	0.00	0.00	475.477	0.00	0.48	0.00	0.000	0.000	0.000
1392	0.00	0.00	475.002	0.00	0.48	0.00	0.000	0.000	0.000
1393	0.00	0.00	474.527	0.00	0.48	0.00	0.000	0.000	0.000
1394	0.00	0.00	474.052	0.00	0.48	0.00	0.000	0.000	0.000
1395	0.00	0.00	473.577	0.00	0.48	0.00	0.000	0.000	0.000
1396	0.00	0.00	473.102	0.00	0.48	0.00	0.000	0.000	0.000
1397	0.00	0.00	472.627	0.00	0.48	0.00	0.000	0.000	0.000
1398	0.00	0.00	472.152	0.00	0.48	0.00	0.000	0.000	0.000
1399	0.00	0.00	471.677	0.00	0.48	0.00	0.000	0.000	0.000
1400	0.00	0.00	471.202	0.00	0.48	0.00	0.000	0.000	0.000
1401	0.00	0.00	470.727	0.00	0.48	0.00	0.000	0.000	0.000
1402	0.00	0.00	470.252	0.00	0.48	0.00	0.000	0.000	0.000
1403	0.00	0.00	469.777	0.00	0.48	0.00	0.000	0.000	0.000
1404	0.00	0.00	469.302	0.00	0.48	0.00	0.000	0.000	0.000
1405	0.00	0.00	468.827	0.00	0.48	0.00	0.000	0.000	0.000
1406	0.00	0.00	468.352	0.00	0.48	0.00	0.000	0.000	0.000
1407	0.00	0.00	467.877	0.00	0.48	0.00	0.000	0.000	0.000
1408	0.00	0.00	467.402	0.00	0.48	0.00	0.000	0.000	0.000
1409	0.00	0.00	466.927	0.00	0.48	0.00	0.000	0.000	0.000
1410	0.00	0.00	466.452	0.00	0.48	0.00	0.000	0.000	0.000
1411	0.00	0.00	465.977	0.00	0.48	0.00	0.000	0.000	0.000
1412	0.00	0.00	465.502	0.00	0.48	0.00	0.000	0.000	0.000
1413	0.00	0.00	465.027	0.00	0.48	0.00	0.000	0.000	0.000
1414	0.00	0.00	464.552	0.00	0.48	0.00	0.000	0.000	0.000
1415	0.00	0.00	464.077	0.00	0.48	0.00	0.000	0.000	0.000
1416	0.00	0.00	463.602	0.00	0.48	0.00	0.000	0.000	0.000
1417	0.00	0.00	463.127	0.00	0.48	0.00	0.000	0.000	0.000
1418	0.00	0.00	462.652	0.00	0.48	0.00	0.000	0.000	0.000
1419	0.00	0.00	462.177	0.00	0.48	0.00	0.000	0.000	0.000
1420	0.00	0.00	461.702	0.00	0.48	0.00	0.000	0.000	0.000
1421	0.00	0.00	461.227	0.00	0.48	0.00	0.000	0.000	0.000
1422	0.00	0.00	460.752	0.00	0.48	0.00	0.000	0.000	0.000
1423	0.00	0.00	460.277	0.00	0.48	0.00	0.000	0.000	0.000
1424	0.00	0.00	459.802	0.00	0.48	0.00	0.000	0.000	0.000
1425	0.00	0.00	459.327	0.00	0.48	0.00	0.000	0.000	0.000
1426	0.00	0.00	458.852	0.00	0.48	0.00	0.000	0.000	0.000
1427	0.00	0.00	458.377	0.00	0.48	0.00	0.000	0.000	0.000
1428	0.00	0.00	457.902	0.00	0.48	0.00	0.000	0.000	0.000
1429	0.00	0.00	457.427	0.00	0.48	0.00	0.000	0.000	0.000
1430	0.00	0.00	456.952	0.00	0.48	0.00	0.000	0.000	0.000
1431	0.00	0.00	456.477	0.00	0.48	0.00	0.000	0.000	0.000
1432	0.00	0.00	456.002	0.00	0.48	0.00	0.000	0.000	0.000
1433	0.00	0.00	455.527	0.00	0.48	0.00	0.000	0.000	0.000
1434	0.00	0.00	455.052	0.00	0.48	0.00	0.000	0.000	0.000

Set up Design Storm   Routing through FF Basin   Routing through Basin Soakpit

	Set up Design Storm		Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1779.174**			**Final Basin Soakpit Volume:**	**216.600**	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1435	0.00	0.00	454.577	0.00	0.48	0.00	0.000	0.000	0.000
1436	0.00	0.00	454.102	0.00	0.48	0.00	0.000	0.000	0.000
1437	0.00	0.00	453.627	0.00	0.48	0.00	0.000	0.000	0.000
1438	0.00	0.00	453.152	0.00	0.48	0.00	0.000	0.000	0.000
1439	0.00	0.00	452.677	0.00	0.48	0.00	0.000	0.000	0.000
1440	0.00	0.00	452.202	0.00	0.48	0.00	0.000	0.000	0.000
1441	0.00	0.00	451.727	0.00	0.48	0.00	0.000	0.000	0.000
1442	0.00	0.00	451.252	0.00	0.48	0.00	0.000	0.000	0.000
1443	0.00	0.00	450.777	0.00	0.48	0.00	0.000	0.000	0.000
1444	0.00	0.00	450.302	0.00	0.48	0.00	0.000	0.000	0.000
1445	0.00	0.00	449.827	0.00	0.48	0.00	0.000	0.000	0.000
1446	0.00	0.00	449.352	0.00	0.48	0.00	0.000	0.000	0.000
1447	0.00	0.00	448.877	0.00	0.48	0.00	0.000	0.000	0.000
1448	0.00	0.00	448.402	0.00	0.48	0.00	0.000	0.000	0.000
1449	0.00	0.00	447.927	0.00	0.48	0.00	0.000	0.000	0.000
1450	0.00	0.00	447.452	0.00	0.48	0.00	0.000	0.000	0.000
1451	0.00	0.00	446.977	0.00	0.48	0.00	0.000	0.000	0.000
1452	0.00	0.00	446.502	0.00	0.48	0.00	0.000	0.000	0.000
1453	0.00	0.00	446.027	0.00	0.48	0.00	0.000	0.000	0.000
1454	0.00	0.00	445.552	0.00	0.48	0.00	0.000	0.000	0.000
1455	0.00	0.00	445.077	0.00	0.48	0.00	0.000	0.000	0.000
1456	0.00	0.00	444.602	0.00	0.48	0.00	0.000	0.000	0.000
1457	0.00	0.00	444.127	0.00	0.48	0.00	0.000	0.000	0.000
1458	0.00	0.00	443.652	0.00	0.48	0.00	0.000	0.000	0.000
1459	0.00	0.00	443.177	0.00	0.48	0.00	0.000	0.000	0.000
1460	0.00	0.00	442.702	0.00	0.48	0.00	0.000	0.000	0.000
1461	0.00	0.00	442.227	0.00	0.48	0.00	0.000	0.000	0.000
1462	0.00	0.00	441.752	0.00	0.48	0.00	0.000	0.000	0.000
1463	0.00	0.00	441.277	0.00	0.48	0.00	0.000	0.000	0.000
1464	0.00	0.00	440.802	0.00	0.48	0.00	0.000	0.000	0.000
1465	0.00	0.00	440.327	0.00	0.48	0.00	0.000	0.000	0.000
1466	0.00	0.00	439.852	0.00	0.48	0.00	0.000	0.000	0.000
1467	0.00	0.00	439.377	0.00	0.48	0.00	0.000	0.000	0.000
1468	0.00	0.00	438.902	0.00	0.48	0.00	0.000	0.000	0.000
1469	0.00	0.00	438.427	0.00	0.48	0.00	0.000	0.000	0.000
1470	0.00	0.00	437.952	0.00	0.48	0.00	0.000	0.000	0.000
1471	0.00	0.00	437.477	0.00	0.48	0.00	0.000	0.000	0.000
1472	0.00	0.00	437.002	0.00	0.48	0.00	0.000	0.000	0.000
1473	0.00	0.00	436.527	0.00	0.48	0.00	0.000	0.000	0.000
1474	0.00	0.00	436.052	0.00	0.48	0.00	0.000	0.000	0.000
1475	0.00	0.00	435.577	0.00	0.48	0.00	0.000	0.000	0.000
1476	0.00	0.00	435.102	0.00	0.48	0.00	0.000	0.000	0.000
1477	0.00	0.00	434.627	0.00	0.48	0.00	0.000	0.000	0.000
1478	0.00	0.00	434.152	0.00	0.48	0.00	0.000	0.000	0.000
1479	0.00	0.00	433.677	0.00	0.48	0.00	0.000	0.000	0.000
1480	0.00	0.00	433.202	0.00	0.48	0.00	0.000	0.000	0.000
1481	0.00	0.00	432.727	0.00	0.48	0.00	0.000	0.000	0.000
1482	0.00	0.00	432.252	0.00	0.48	0.00	0.000	0.000	0.000
1483	0.00	0.00	431.777	0.00	0.48	0.00	0.000	0.000	0.000
1484	0.00	0.00	431.302	0.00	0.48	0.00	0.000	0.000	0.000
1485	0.00	0.00	430.827	0.00	0.48	0.00	0.000	0.000	0.000
1486	0.00	0.00	430.352	0.00	0.48	0.00	0.000	0.000	0.000
1487	0.00	0.00	429.877	0.00	0.48	0.00	0.000	0.000	0.000
1488	0.00	0.00	429.402	0.00	0.48	0.00	0.000	0.000	0.000
1489	0.00	0.00	428.927	0.00	0.48	0.00	0.000	0.000	0.000
1490	0.00	0.00	428.452	0.00	0.48	0.00	0.000	0.000	0.000
1491	0.00	0.00	427.977	0.00	0.48	0.00	0.000	0.000	0.000
1492	0.00	0.00	427.502	0.00	0.48	0.00	0.000	0.000	0.000
1493	0.00	0.00	427.027	0.00	0.48	0.00	0.000	0.000	0.000
1494	0.00	0.00	426.552	0.00	0.48	0.00	0.000	0.000	0.000
1495	0.00	0.00	426.077	0.00	0.48	0.00	0.000	0.000	0.000
1496	0.00	0.00	425.602	0.00	0.48	0.00	0.000	0.000	0.000
1497	0.00	0.00	425.127	0.00	0.48	0.00	0.000	0.000	0.000
1498	0.00	0.00	424.652	0.00	0.48	0.00	0.000	0.000	0.000
1499	0.00	0.00	424.177	0.00	0.48	0.00	0.000	0.000	0.000
1500	0.00	0.00	423.702	0.00	0.48	0.00	0.000	0.000	0.000
1501	0.00	0.00	423.227	0.00	0.48	0.00	0.000	0.000	0.000
1502	0.00	0.00	422.752	0.00	0.48	0.00	0.000	0.000	0.000
1503	2.00	0.00	422.277	0.00	0.48	0.00	0.000	0.000	1041.18
1504	0.00	0.00	421.802	0.00	0.48	0.00	0.000	0.000	0.000
1505	0.00	0.00	421.327	0.00	0.48	0.00	0.000	0.000	0.000
1506	0.00	0.00	420.852	0.00	0.48	0.00	0.000	0.000	0.000
1507	0.00	0.00	420.377	0.00	0.48	0.00	0.000	0.000	0.000
1508	0.00	0.00	419.902	0.00	0.48	0.00	0.000	0.000	0.000
1509	0.00	0.00	419.427	0.00	0.48	0.00	0.000	0.000	0.000
1510	0.00	0.00	418.952	0.00	0.48	0.00	0.000	0.000	0.000
1511	0.00	0.00	418.477	0.00	0.48	0.00	0.000	0.000	0.000
1512	0.00	0.00	418.002	0.00	0.48	0.00	0.000	0.000	0.000
1513	0.00	0.00	417.527	0.00	0.48	0.00	0.000	0.000	0.000
1514	0.00	0.00	417.052	0.00	0.48	0.00	0.000	0.000	0.000
1515	0.00	0.00	416.577	0.00	0.48	0.00	0.000	0.000	0.000
1516	0.00	0.00	416.102	0.00	0.48	0.00	0.000	0.000	0.000
1517	0.00	0.00	415.627	0.00	0.48	0.00	0.000	0.000	0.000
1518	0.00	0.00	415.152	0.00	0.48	0.00	0.000	0.000	0.000
1519	0.00	0.00	414.677	0.00	0.48	0.00	0.000	0.000	0.000
1520	0.00	0.00	414.202	0.00	0.48	0.00	0.000	0.000	0.000
1521	0.00	0.00	413.727	0.00	0.48	0.00	0.000	0.000	0.000
1522	0.00	0.00	413.252	0.00	0.48	0.00	0.000	0.000	0.000
1523	0.00	0.00	412.777	0.00	0.48	0.00	0.000	0.000	0.000
1524	0.00	0.00	412.302	0.00	0.48	0.00	0.000	0.000	0.000
1525	0.00	0.00	411.827	0.00	0.48	0.00	0.000	0.000	0.000
1526	0.00	0.00	411.352	0.00	0.48	0.00	0.000	0.000	0.000
1527	0.00	0.00	410.877	0.00	0.48	0.00	0.000	0.000	0.000
1528	0.00	0.00	410.402	0.00	0.48	0.00	0.000	0.000	0.000
1529	0.00	0.00	409.927	0.00	0.48	0.00	0.000	0.000	0.000
1530	0.00	0.00	409.452	0.00	0.48	0.00	0.000	0.000	0.000
1531	0.00	0.00	408.977	0.00	0.48	0.00	0.000	0.000	0.000
1532	0.00	0.00	408.502	0.00	0.48	0.00	0.000	0.000	0.000
1533	0.00	0.00	408.027	0.00	0.48	0.00	0.000	0.000	0.000
1534	0.00	0.00	407.552	0.00	0.48	0.00	0.000	0.000	0.000
1535	0.00	0.00	407.077	0.00	0.48	0.00	0.000	0.000	0.000
1536	0.00	0.00	406.602	0.00	0.48	0.00	0.000	0.000	0.000
1537	0.00	0.00	406.127	0.00	0.48	0.00	0.000	0.000	0.000

Southern SMA Calculations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1538	0.00	0.00	405.652	0.00	0.48	0.00	0.000	0.000	0.000
1539	0.00	0.00	405.177	0.00	0.48	0.00	0.000	0.000	0.000
1540	0.00	0.00	404.702	0.00	0.48	0.00	0.000	0.000	0.000
1541	0.00	0.00	404.227	0.00	0.48	0.00	0.000	0.000	0.000
1542	0.00	0.00	403.752	0.00	0.48	0.00	0.000	0.000	0.000
1543	0.00	0.00	403.277	0.00	0.48	0.00	0.000	0.000	0.000
1544	0.00	0.00	402.802	0.00	0.48	0.00	0.000	0.000	0.000
1545	0.00	0.00	402.327	0.00	0.48	0.00	0.000	0.000	0.000
1546	0.00	0.00	401.852	0.00	0.48	0.00	0.000	0.000	0.000
1547	0.00	0.00	401.377	0.00	0.48	0.00	0.000	0.000	0.000
1548	0.00	0.00	400.902	0.00	0.48	0.00	0.000	0.000	0.000
1549	0.00	0.00	400.427	0.00	0.48	0.00	0.000	0.000	0.000
1550	0.00	0.00	399.952	0.00	0.48	0.00	0.000	0.000	0.000
1551	0.00	0.00	399.477	0.00	0.48	0.00	0.000	0.000	0.000
1552	0.00	0.00	399.002	0.00	0.48	0.00	0.000	0.000	0.000
1553	0.00	0.00	398.527	0.00	0.48	0.00	0.000	0.000	0.000
1554	0.00	0.00	398.052	0.00	0.48	0.00	0.000	0.000	0.000
1555	0.00	0.00	397.577	0.00	0.48	0.00	0.000	0.000	0.000
1556	0.00	0.00	397.102	0.00	0.48	0.00	0.000	0.000	0.000
1557	0.00	0.00	396.627	0.00	0.48	0.00	0.000	0.000	0.000
1558	0.00	0.00	396.152	0.00	0.48	0.00	0.000	0.000	0.000
1559	0.00	0.00	395.677	0.00	0.48	0.00	0.000	0.000	0.000
1560	0.00	0.00	395.202	0.00	0.48	0.00	0.000	0.000	0.000
1561	0.00	0.00	394.727	0.00	0.48	0.00	0.000	0.000	0.000
1562	0.00	0.00	394.252	0.00	0.48	0.00	0.000	0.000	0.000
1563	0.00	0.00	393.777	0.00	0.48	0.00	0.000	0.000	0.000
1564	0.00	0.00	393.302	0.00	0.48	0.00	0.000	0.000	0.000
1565	0.00	0.00	392.827	0.00	0.48	0.00	0.000	0.000	0.000
1566	0.00	0.00	392.352	0.00	0.48	0.00	0.000	0.000	0.000
1567	0.00	0.00	391.877	0.00	0.48	0.00	0.000	0.000	0.000
1568	0.00	0.00	391.402	0.00	0.48	0.00	0.000	0.000	0.000
1569	0.00	0.00	390.927	0.00	0.48	0.00	0.000	0.000	0.000
1570	0.00	0.00	390.452	0.00	0.48	0.00	0.000	0.000	0.000
1571	0.00	0.00	389.977	0.00	0.48	0.00	0.000	0.000	0.000
1572	0.00	0.00	389.502	0.00	0.48	0.00	0.000	0.000	0.000
1573	0.00	0.00	389.027	0.00	0.48	0.00	0.000	0.000	0.000
1574	0.00	0.00	388.552	0.00	0.48	0.00	0.000	0.000	0.000
1575	0.00	0.00	388.077	0.00	0.48	0.00	0.000	0.000	0.000
1576	0.00	0.00	387.602	0.00	0.48	0.00	0.000	0.000	0.000
1577	0.00	0.00	387.127	0.00	0.48	0.00	0.000	0.000	0.000
1578	0.00	0.00	386.652	0.00	0.48	0.00	0.000	0.000	0.000
1579	0.00	0.00	386.177	0.00	0.48	0.00	0.000	0.000	0.000
1580	0.00	0.00	385.702	0.00	0.48	0.00	0.000	0.000	0.000
1581	0.00	0.00	385.227	0.00	0.48	0.00	0.000	0.000	0.000
1582	0.00	0.00	384.752	0.00	0.48	0.00	0.000	0.000	0.000
1583	0.00	0.00	384.277	0.00	0.48	0.00	0.000	0.000	0.000
1584	0.00	0.00	383.802	0.00	0.48	0.00	0.000	0.000	0.000
1585	0.00	0.00	383.327	0.00	0.48	0.00	0.000	0.000	0.000
1586	0.00	0.00	382.852	0.00	0.48	0.00	0.000	0.000	0.000
1587	0.00	0.00	382.377	0.00	0.48	0.00	0.000	0.000	0.000
1588	0.00	0.00	381.902	0.00	0.48	0.00	0.000	0.000	0.000
1589	0.00	0.00	381.427	0.00	0.48	0.00	0.000	0.000	0.000
1590	0.00	0.00	380.952	0.00	0.48	0.00	0.000	0.000	0.000
1591	0.00	0.00	380.477	0.00	0.48	0.00	0.000	0.000	0.000
1592	0.00	0.00	380.002	0.00	0.48	0.00	0.000	0.000	0.000
1593	0.00	0.00	379.527	0.00	0.48	0.00	0.000	0.000	0.000
1594	0.00	0.00	379.052	0.00	0.48	0.00	0.000	0.000	0.000
1595	0.00	0.00	378.577	0.00	0.48	0.00	0.000	0.000	0.000
1596	0.00	0.00	378.102	0.00	0.48	0.00	0.000	0.000	0.000
1597	0.00	0.00	377.627	0.00	0.48	0.00	0.000	0.000	0.000
1598	0.00	0.00	377.152	0.00	0.48	0.00	0.000	0.000	0.000
1599	0.00	0.00	376.677	0.00	0.48	0.00	0.000	0.000	0.000
1600	0.00	0.00	376.202	0.00	0.48	0.00	0.000	0.000	0.000
1601	0.00	0.00	375.727	0.00	0.48	0.00	0.000	0.000	0.000
1602	0.00	0.00	375.252	0.00	0.48	0.00	0.000	0.000	0.000
1603	0.00	0.00	374.777	0.00	0.48	0.00	0.000	0.000	0.000
1604	0.00	0.00	374.302	0.00	0.48	0.00	0.000	0.000	0.000
1605	0.00	0.00	373.827	0.00	0.48	0.00	0.000	0.000	0.000
1606	2.00	0.00	373.352	0.00	0.48	0.00	0.000	0.000	0.000
1607	0.00	0.00	372.877	0.00	0.48	0.00	0.000	0.000	0.000
1608	0.00	0.00	372.402	0.00	0.48	0.00	0.000	0.000	0.000
1609	0.00	0.00	371.927	0.00	0.48	0.00	0.000	0.000	0.000
1610	0.00	0.00	371.452	0.00	0.48	0.00	0.000	0.000	0.000
1611	0.00	0.00	370.977	0.00	0.48	0.00	0.000	0.000	0.000
1612	0.00	0.00	370.502	0.00	0.48	0.00	0.000	0.000	0.000
1613	0.00	0.00	370.027	0.00	0.48	0.00	0.000	0.000	0.000
1614	0.00	0.00	369.552	0.00	0.48	0.00	0.000	0.000	0.000
1615	0.00	0.00	369.077	0.00	0.48	0.00	0.000	0.000	0.000
1616	0.00	0.00	368.602	0.00	0.48	0.00	0.000	0.000	0.000
1617	0.00	0.00	368.127	0.00	0.48	0.00	0.000	0.000	0.000
1618	0.00	0.00	367.652	0.00	0.48	0.00	0.000	0.000	0.000
1619	0.00	0.00	367.177	0.00	0.48	0.00	0.000	0.000	0.000
1620	0.00	0.00	366.702	0.00	0.48	0.00	0.000	0.000	0.000
1621	0.00	0.00	366.227	0.00	0.48	0.00	0.000	0.000	0.000
1622	0.00	0.00	365.752	0.00	0.48	0.00	0.000	0.000	0.000
1623	0.00	0.00	365.277	0.00	0.48	0.00	0.000	0.000	0.000
1624	0.00	0.00	364.802	0.00	0.48	0.00	0.000	0.000	0.000
1625	0.00	0.00	364.327	0.00	0.48	0.00	0.000	0.000	0.000
1626	0.00	0.00	363.852	0.00	0.48	0.00	0.000	0.000	0.000
1627	0.00	0.00	363.377	0.00	0.48	0.00	0.000	0.000	0.000
1628	0.00	0.00	362.902	0.00	0.48	0.00	0.000	0.000	0.000
1629	0.00	0.00	362.427	0.00	0.48	0.00	0.000	0.000	0.000
1630	0.00	0.00	361.952	0.00	0.48	0.00	0.000	0.000	0.000
1631	0.00	0.00	361.477	0.00	0.48	0.00	0.000	0.000	0.000
1632	0.00	0.00	361.002	0.00	0.48	0.00	0.000	0.000	0.000
1633	0.00	0.00	360.527	0.00	0.48	0.00	0.000	0.000	0.000
1634	0.00	0.00	360.052	0.00	0.48	0.00	0.000	0.000	0.000
1635	0.00	0.00	359.577	0.00	0.48	0.00	0.000	0.000	0.000
1636	0.00	0.00	359.102	0.00	0.48	0.00	0.000	0.000	0.000
1637	0.00	0.00	358.627	0.00	0.48	0.00	0.000	0.000	0.000
1638	0.00	0.00	358.152	0.00	0.48	0.00	0.000	0.000	0.000
1639	0.00	0.00	357.677	0.00	0.48	0.00	0.000	0.000	0.000
1640	0.00	0.00	357.202	0.00	0.48	0.00	0.000	0.000	0.000

Southern SMA Calculations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1641	0.00	0.00	356.727	0.00	0.48	0.00	0.000	0.000	0.000
1642	0.00	0.00	356.252	0.00	0.48	0.00	0.000	0.000	0.000
1643	0.00	0.00	355.777	0.00	0.48	0.00	0.000	0.000	0.000
1644	0.00	0.00	355.302	0.00	0.48	0.00	0.000	0.000	0.000
1645	0.00	0.00	354.827	0.00	0.48	0.00	0.000	0.000	0.000
1646	0.00	0.00	354.352	0.00	0.48	0.00	0.000	0.000	0.000
1647	0.00	0.00	353.877	0.00	0.48	0.00	0.000	0.000	0.000
1648	0.00	0.00	353.402	0.00	0.48	0.00	0.000	0.000	0.000
1649	0.00	0.00	352.927	0.00	0.48	0.00	0.000	0.000	0.000
1650	0.00	0.00	352.452	0.00	0.48	0.00	0.000	0.000	0.000
1651	0.00	0.00	351.977	0.00	0.48	0.00	0.000	0.000	0.000
1652	0.00	0.00	351.502	0.00	0.48	0.00	0.000	0.000	0.000
1653	0.00	0.00	351.027	0.00	0.48	0.00	0.000	0.000	0.000
1654	0.00	0.00	350.552	0.00	0.48	0.00	0.000	0.000	0.000
1655	0.00	0.00	350.077	0.00	0.48	0.00	0.000	0.000	0.000
1656	0.00	0.00	349.602	0.00	0.48	0.00	0.000	0.000	0.000
1657	0.00	0.00	349.127	0.00	0.48	0.00	0.000	0.000	0.000
1658	0.00	0.00	348.652	0.00	0.48	0.00	0.000	0.000	0.000
1659	0.00	0.00	348.177	0.00	0.48	0.00	0.000	0.000	0.000
1660	0.00	0.00	347.702	0.00	0.48	0.00	0.000	0.000	0.000
1661	0.00	0.00	347.227	0.00	0.48	0.00	0.000	0.000	0.000
1662	0.00	0.00	346.752	0.00	0.48	0.00	0.000	0.000	0.000
1663	0.00	0.00	346.277	0.00	0.48	0.00	0.000	0.000	0.000
1664	0.00	0.00	345.802	0.00	0.48	0.00	0.000	0.000	0.000
1665	0.00	0.00	345.327	0.00	0.48	0.00	0.000	0.000	0.000
1666	0.00	0.00	344.852	0.00	0.48	0.00	0.000	0.000	0.000
1667	0.00	0.00	344.377	0.00	0.48	0.00	0.000	0.000	0.000
1668	0.00	0.00	343.902	0.00	0.48	0.00	0.000	0.000	0.000
1669	0.00	0.00	343.427	0.00	0.48	0.00	0.000	0.000	0.000
1670	0.00	0.00	342.952	0.00	0.48	0.00	0.000	0.000	0.000
1671	0.00	0.00	342.477	0.00	0.48	0.00	0.000	0.000	0.000
1672	0.00	0.00	342.002	0.00	0.48	0.00	0.000	0.000	0.000
1673	0.00	0.00	341.527	0.00	0.48	0.00	0.000	0.000	0.000
1674	0.00	0.00	341.052	0.00	0.48	0.00	0.000	0.000	0.000
1675	0.00	0.00	340.577	0.00	0.48	0.00	0.000	0.000	0.000
1676	0.00	0.00	340.102	0.00	0.48	0.00	0.000	0.000	0.000
1677	0.00	0.00	339.627	0.00	0.48	0.00	0.000	0.000	0.000
1678	0.00	0.00	339.152	0.00	0.48	0.00	0.000	0.000	0.000
1679	0.00	0.00	338.677	0.00	0.48	0.00	0.000	0.000	0.000
1680	0.00	0.00	338.202	0.00	0.48	0.00	0.000	0.000	0.000
1681	0.00	0.00	337.727	0.00	0.48	0.00	0.000	0.000	0.000
1682	0.00	0.00	337.252	0.00	0.48	0.00	0.000	0.000	0.000
1683	0.00	0.00	336.777	0.00	0.48	0.00	0.000	0.000	0.000
1684	0.00	0.00	336.302	0.00	0.48	0.00	0.000	0.000	0.000
1685	0.00	0.00	335.827	0.00	0.48	0.00	0.000	0.000	0.000
1686	0.00	0.00	335.352	0.00	0.48	0.00	0.000	0.000	0.000
1687	0.00	0.00	334.877	0.00	0.48	0.00	0.000	0.000	0.000
1688	0.00	0.00	334.402	0.00	0.48	0.00	0.000	0.000	0.000
1689	0.00	0.00	333.927	0.00	0.48	0.00	0.000	0.000	0.000
1690	0.00	0.00	333.452	0.00	0.48	0.00	0.000	0.000	0.000
1691	0.00	0.00	332.977	0.00	0.48	0.00	0.000	0.000	0.000
1692	0.00	0.00	332.502	0.00	0.48	0.00	0.000	0.000	0.000
1693	0.00	0.00	332.027	0.00	0.48	0.00	0.000	0.000	0.000
1694	0.00	0.00	331.552	0.00	0.48	0.00	0.000	0.000	0.000
1695	0.00	0.00	331.077	0.00	0.48	0.00	0.000	0.000	0.000
1696	0.00	0.00	330.602	0.00	0.48	0.00	0.000	0.000	0.000
1697	0.00	0.00	330.127	0.00	0.48	0.00	0.000	0.000	0.000
1698	0.00	0.00	329.652	0.00	0.48	0.00	0.000	0.000	0.000
1699	0.00	0.00	329.177	0.00	0.48	0.00	0.000	0.000	0.000
1700	0.00	0.00	328.702	0.00	0.48	0.00	0.000	0.000	0.000
1701	0.00	0.00	328.227	0.00	0.48	0.00	0.000	0.000	0.000
1702	0.00	0.00	327.752	0.00	0.48	0.00	0.000	0.000	0.000
1703	0.00	0.00	327.277	0.00	0.48	0.00	0.000	0.000	0.000
1704	0.00	0.00	326.802	0.00	0.48	0.00	0.000	0.000	0.000
1705	0.00	0.00	326.327	0.00	0.48	0.00	0.000	0.000	0.000
1706	0.00	0.00	325.852	0.00	0.48	0.00	0.000	0.000	0.000
1707	0.00	0.00	325.377	0.00	0.48	0.00	0.000	0.000	0.000
1708	0.00	0.00	324.902	0.00	0.48	0.00	0.000	0.000	0.000
1709	2.00	0.00	324.427	0.00	0.48	0.00	0.000	0.000	0.000
1710	0.00	0.00	323.952	0.00	0.48	0.00	0.000	0.000	0.000
1711	0.00	0.00	323.477	0.00	0.48	0.00	0.000	0.000	0.000
1712	0.00	0.00	323.002	0.00	0.48	0.00	0.000	0.000	0.000
1713	0.00	0.00	322.527	0.00	0.48	0.00	0.000	0.000	0.000
1714	0.00	0.00	322.052	0.00	0.48	0.00	0.000	0.000	0.000
1715	0.00	0.00	321.577	0.00	0.48	0.00	0.000	0.000	0.000
1716	0.00	0.00	321.102	0.00	0.48	0.00	0.000	0.000	0.000
1717	0.00	0.00	320.627	0.00	0.48	0.00	0.000	0.000	0.000
1718	0.00	0.00	320.152	0.00	0.48	0.00	0.000	0.000	0.000
1719	0.00	0.00	319.677	0.00	0.48	0.00	0.000	0.000	0.000
1720	0.00	0.00	319.202	0.00	0.48	0.00	0.000	0.000	0.000
1721	0.00	0.00	318.727	0.00	0.48	0.00	0.000	0.000	0.000
1722	0.00	0.00	318.252	0.00	0.48	0.00	0.000	0.000	0.000
1723	0.00	0.00	317.777	0.00	0.48	0.00	0.000	0.000	0.000
1724	0.00	0.00	317.302	0.00	0.48	0.00	0.000	0.000	0.000
1725	0.00	0.00	316.827	0.00	0.48	0.00	0.000	0.000	0.000
1726	0.00	0.00	316.352	0.00	0.48	0.00	0.000	0.000	0.000
1727	0.00	0.00	315.877	0.00	0.48	0.00	0.000	0.000	0.000
1728	0.00	0.00	315.402	0.00	0.48	0.00	0.000	0.000	0.000
1729	0.00	0.00	314.927	0.00	0.48	0.00	0.000	0.000	0.000
1730	0.00	0.00	314.452	0.00	0.48	0.00	0.000	0.000	0.000
1731	0.00	0.00	313.977	0.00	0.48	0.00	0.000	0.000	0.000
1732	0.00	0.00	313.502	0.00	0.48	0.00	0.000	0.000	0.000
1733	0.00	0.00	313.027	0.00	0.48	0.00	0.000	0.000	0.000
1734	0.00	0.00	312.552	0.00	0.48	0.00	0.000	0.000	0.000
1735	0.00	0.00	312.077	0.00	0.48	0.00	0.000	0.000	0.000
1736	0.00	0.00	311.602	0.00	0.48	0.00	0.000	0.000	0.000
1737	0.00	0.00	311.127	0.00	0.48	0.00	0.000	0.000	0.000
1738	0.00	0.00	310.652	0.00	0.48	0.00	0.000	0.000	0.000
1739	0.00	0.00	310.177	0.00	0.48	0.00	0.000	0.000	0.000
1740	0.00	0.00	309.702	0.00	0.48	0.00	0.000	0.000	0.000
1741	0.00	0.00	309.227	0.00	0.48	0.00	0.000	0.000	0.000
1742	0.00	0.00	308.752	0.00	0.48	0.00	0.000	0.000	0.000
1743	0.00	0.00	308.277	0.00	0.48	0.00	0.000	0.000	0.000

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1779.174**			**Final Basin Soakpit Volume:**	**216.600**	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1744	0.00	0.00	307.802	0.00	0.48	0.00	0.000	0.000	0.000
1745	0.00	0.00	307.327	0.00	0.48	0.00	0.000	0.000	0.000
1746	0.00	0.00	306.852	0.00	0.48	0.00	0.000	0.000	0.000
1747	0.00	0.00	306.377	0.00	0.48	0.00	0.000	0.000	0.000
1748	0.00	0.00	305.902	0.00	0.48	0.00	0.000	0.000	0.000
1749	0.00	0.00	305.427	0.00	0.48	0.00	0.000	0.000	0.000
1750	0.00	0.00	304.952	0.00	0.48	0.00	0.000	0.000	0.000
1751	0.00	0.00	304.477	0.00	0.48	0.00	0.000	0.000	0.000
1752	0.00	0.00	304.002	0.00	0.48	0.00	0.000	0.000	0.000
1753	0.00	0.00	303.527	0.00	0.48	0.00	0.000	0.000	0.000
1754	0.00	0.00	303.052	0.00	0.48	0.00	0.000	0.000	0.000
1755	0.00	0.00	302.577	0.00	0.48	0.00	0.000	0.000	0.000
1756	0.00	0.00	302.102	0.00	0.48	0.00	0.000	0.000	0.000
1757	0.00	0.00	301.627	0.00	0.48	0.00	0.000	0.000	0.000
1758	0.00	0.00	301.152	0.00	0.48	0.00	0.000	0.000	0.000
1759	0.00	0.00	300.677	0.00	0.48	0.00	0.000	0.000	0.000
1760	0.00	0.00	300.202	0.00	0.48	0.00	0.000	0.000	0.000
1761	0.00	0.00	299.727	0.00	0.48	0.00	0.000	0.000	0.000
1762	0.00	0.00	299.252	0.00	0.48	0.00	0.000	0.000	0.000
1763	0.00	0.00	298.777	0.00	0.48	0.00	0.000	0.000	0.000
1764	0.00	0.00	298.302	0.00	0.48	0.00	0.000	0.000	0.000
1765	0.00	0.00	297.827	0.00	0.48	0.00	0.000	0.000	0.000
1766	0.00	0.00	297.352	0.00	0.48	0.00	0.000	0.000	0.000
1767	0.00	0.00	296.877	0.00	0.48	0.00	0.000	0.000	0.000
1768	0.00	0.00	296.402	0.00	0.48	0.00	0.000	0.000	0.000
1769	0.00	0.00	295.927	0.00	0.48	0.00	0.000	0.000	0.000
1770	0.00	0.00	295.452	0.00	0.48	0.00	0.000	0.000	0.000
1771	0.00	0.00	294.977	0.00	0.48	0.00	0.000	0.000	0.000
1772	0.00	0.00	294.502	0.00	0.48	0.00	0.000	0.000	0.000
1773	0.00	0.00	294.027	0.00	0.48	0.00	0.000	0.000	0.000
1774	0.00	0.00	293.552	0.00	0.48	0.00	0.000	0.000	0.000
1775	0.00	0.00	293.077	0.00	0.48	0.00	0.000	0.000	0.000
1776	0.00	0.00	292.602	0.00	0.48	0.00	0.000	0.000	0.000
1777	0.00	0.00	292.127	0.00	0.48	0.00	0.000	0.000	0.000
1778	0.00	0.00	291.652	0.00	0.48	0.00	0.000	0.000	0.000
1779	0.00	0.00	291.177	0.00	0.48	0.00	0.000	0.000	0.000
1780	0.00	0.00	290.702	0.00	0.48	0.00	0.000	0.000	0.000
1781	0.00	0.00	290.227	0.00	0.48	0.00	0.000	0.000	0.000
1782	0.00	0.00	289.752	0.00	0.48	0.00	0.000	0.000	0.000
1783	0.00	0.00	289.277	0.00	0.48	0.00	0.000	0.000	0.000
1784	0.00	0.00	288.802	0.00	0.48	0.00	0.000	0.000	0.000
1785	0.00	0.00	288.327	0.00	0.48	0.00	0.000	0.000	0.000
1786	0.00	0.00	287.852	0.00	0.48	0.00	0.000	0.000	0.000
1787	0.00	0.00	287.377	0.00	0.48	0.00	0.000	0.000	0.000
1788	0.00	0.00	286.902	0.00	0.48	0.00	0.000	0.000	0.000
1789	0.00	0.00	286.427	0.00	0.48	0.00	0.000	0.000	0.000
1790	0.00	0.00	285.952	0.00	0.48	0.00	0.000	0.000	0.000
1791	0.00	0.00	285.477	0.00	0.48	0.00	0.000	0.000	0.000
1792	0.00	0.00	285.002	0.00	0.48	0.00	0.000	0.000	0.000
1793	0.00	0.00	284.527	0.00	0.48	0.00	0.000	0.000	0.000
1794	0.00	0.00	284.052	0.00	0.48	0.00	0.000	0.000	0.000
1795	0.00	0.00	283.577	0.00	0.48	0.00	0.000	0.000	0.000
1796	0.00	0.00	283.102	0.00	0.48	0.00	0.000	0.000	0.000
1797	0.00	0.00	282.627	0.00	0.48	0.00	0.000	0.000	0.000
1798	0.00	0.00	282.152	0.00	0.48	0.00	0.000	0.000	0.000
1799	0.00	0.00	281.677	0.00	0.48	0.00	0.000	0.000	0.000
1800	0.00	0.00	281.202	0.00	0.48	0.00	0.000	0.000	0.000
1801	0.00	0.00	280.727	0.00	0.48	0.00	0.000	0.000	0.000
1802	0.00	0.00	280.252	0.00	0.48	0.00	0.000	0.000	0.000
1803	0.00	0.00	279.777	0.00	0.48	0.00	0.000	0.000	0.000
1804	0.00	0.00	279.302	0.00	0.48	0.00	0.000	0.000	0.000
1805	0.00	0.00	278.827	0.00	0.48	0.00	0.000	0.000	0.000
1806	0.00	0.00	278.352	0.00	0.48	0.00	0.000	0.000	0.000
1807	0.00	0.00	277.877	0.00	0.48	0.00	0.000	0.000	0.000
1808	0.00	0.00	277.402	0.00	0.48	0.00	0.000	0.000	0.000
1809	0.00	0.00	276.927	0.00	0.48	0.00	0.000	0.000	0.000
1810	0.00	0.00	276.452	0.00	0.48	0.00	0.000	0.000	0.000
1811	0.00	0.00	275.977	0.00	0.48	0.00	0.000	0.000	0.000
1812	2.00	0.00	275.502	0.00	0.48	0.00	0.000	0.000	1041.18
1813	0.00	0.00	275.027	0.00	0.48	0.00	0.000	0.000	0.000
1814	0.00	0.00	274.552	0.00	0.48	0.00	0.000	0.000	0.000
1815	0.00	0.00	274.077	0.00	0.48	0.00	0.000	0.000	0.000
1816	0.00	0.00	273.602	0.00	0.48	0.00	0.000	0.000	0.000
1817	0.00	0.00	273.127	0.00	0.48	0.00	0.000	0.000	0.000
1818	0.00	0.00	272.652	0.00	0.48	0.00	0.000	0.000	0.000
1819	0.00	0.00	272.177	0.00	0.48	0.00	0.000	0.000	0.000
1820	0.00	0.00	271.702	0.00	0.48	0.00	0.000	0.000	0.000
1821	0.00	0.00	271.227	0.00	0.48	0.00	0.000	0.000	0.000
1822	0.00	0.00	270.752	0.00	0.48	0.00	0.000	0.000	0.000
1823	0.00	0.00	270.277	0.00	0.48	0.00	0.000	0.000	0.000
1824	0.00	0.00	269.802	0.00	0.48	0.00	0.000	0.000	0.000
1825	0.00	0.00	269.327	0.00	0.48	0.00	0.000	0.000	0.000
1826	0.00	0.00	268.852	0.00	0.48	0.00	0.000	0.000	0.000
1827	0.00	0.00	268.377	0.00	0.48	0.00	0.000	0.000	0.000
1828	0.00	0.00	267.902	0.00	0.48	0.00	0.000	0.000	0.000
1829	0.00	0.00	267.427	0.00	0.48	0.00	0.000	0.000	0.000
1830	0.00	0.00	266.952	0.00	0.48	0.00	0.000	0.000	0.000
1831	0.00	0.00	266.477	0.00	0.48	0.00	0.000	0.000	0.000
1832	0.00	0.00	266.002	0.00	0.48	0.00	0.000	0.000	0.000
1833	0.00	0.00	265.527	0.00	0.48	0.00	0.000	0.000	0.000
1834	0.00	0.00	265.052	0.00	0.48	0.00	0.000	0.000	0.000
1835	0.00	0.00	264.577	0.00	0.48	0.00	0.000	0.000	0.000
1836	0.00	0.00	264.102	0.00	0.48	0.00	0.000	0.000	0.000
1837	0.00	0.00	263.627	0.00	0.48	0.00	0.000	0.000	0.000
1838	0.00	0.00	263.152	0.00	0.48	0.00	0.000	0.000	0.000
1839	0.00	0.00	262.677	0.00	0.48	0.00	0.000	0.000	0.000
1840	0.00	0.00	262.202	0.00	0.48	0.00	0.000	0.000	0.000
1841	0.00	0.00	261.727	0.00	0.48	0.00	0.000	0.000	0.000
1842	0.00	0.00	261.252	0.00	0.48	0.00	0.000	0.000	0.000
1843	0.00	0.00	260.777	0.00	0.48	0.00	0.000	0.000	0.000
1844	0.00	0.00	260.302	0.00	0.48	0.00	0.000	0.000	0.000
1845	0.00	0.00	259.827	0.00	0.48	0.00	0.000	0.000	0.000
1846	0.00	0.00	259.352	0.00	0.48	0.00	0.000	0.000	0.000

Set up Design Storm   Routing through FF Basin   Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			**Final Basin Soakpit Volume:**	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1847	0.00	0.00	258.877	0.00	0.48	0.00	0.000	0.000	0.000
1848	0.00	0.00	258.402	0.00	0.48	0.00	0.000	0.000	0.000
1849	0.00	0.00	257.927	0.00	0.48	0.00	0.000	0.000	0.000
1850	0.00	0.00	257.452	0.00	0.48	0.00	0.000	0.000	0.000
1851	0.00	0.00	256.977	0.00	0.48	0.00	0.000	0.000	0.000
1852	0.00	0.00	256.502	0.00	0.48	0.00	0.000	0.000	0.000
1853	0.00	0.00	256.027	0.00	0.48	0.00	0.000	0.000	0.000
1854	0.00	0.00	255.552	0.00	0.48	0.00	0.000	0.000	0.000
1855	0.00	0.00	255.077	0.00	0.48	0.00	0.000	0.000	0.000
1856	0.00	0.00	254.602	0.00	0.48	0.00	0.000	0.000	0.000
1857	0.00	0.00	254.127	0.00	0.48	0.00	0.000	0.000	0.000
1858	0.00	0.00	253.652	0.00	0.48	0.00	0.000	0.000	0.000
1859	0.00	0.00	253.177	0.00	0.48	0.00	0.000	0.000	0.000
1860	0.00	0.00	252.702	0.00	0.48	0.00	0.000	0.000	0.000
1861	0.00	0.00	252.227	0.00	0.48	0.00	0.000	0.000	0.000
1862	0.00	0.00	251.752	0.00	0.48	0.00	0.000	0.000	0.000
1863	0.00	0.00	251.277	0.00	0.48	0.00	0.000	0.000	0.000
1864	0.00	0.00	250.802	0.00	0.48	0.00	0.000	0.000	0.000
1865	0.00	0.00	250.327	0.00	0.48	0.00	0.000	0.000	0.000
1866	0.00	0.00	249.852	0.00	0.48	0.00	0.000	0.000	0.000
1867	0.00	0.00	249.377	0.00	0.48	0.00	0.000	0.000	0.000
1868	0.00	0.00	248.902	0.00	0.48	0.00	0.000	0.000	0.000
1869	0.00	0.00	248.427	0.00	0.48	0.00	0.000	0.000	0.000
1870	0.00	0.00	247.952	0.00	0.48	0.00	0.000	0.000	0.000
1871	0.00	0.00	247.477	0.00	0.48	0.00	0.000	0.000	0.000
1872	0.00	0.00	247.002	0.00	0.48	0.00	0.000	0.000	0.000
1873	0.00	0.00	246.527	0.00	0.48	0.00	0.000	0.000	0.000
1874	0.00	0.00	246.052	0.00	0.48	0.00	0.000	0.000	0.000
1875	0.00	0.00	245.577	0.00	0.48	0.00	0.000	0.000	0.000
1876	0.00	0.00	245.102	0.00	0.48	0.00	0.000	0.000	0.000
1877	0.00	0.00	244.627	0.00	0.48	0.00	0.000	0.000	0.000
1878	0.00	0.00	244.152	0.00	0.48	0.00	0.000	0.000	0.000
1879	0.00	0.00	243.677	0.00	0.48	0.00	0.000	0.000	0.000
1880	0.00	0.00	243.202	0.00	0.48	0.00	0.000	0.000	0.000
1881	0.00	0.00	242.727	0.00	0.48	0.00	0.000	0.000	0.000
1882	0.00	0.00	242.252	0.00	0.48	0.00	0.000	0.000	0.000
1883	0.00	0.00	241.777	0.00	0.48	0.00	0.000	0.000	0.000
1884	0.00	0.00	241.302	0.00	0.48	0.00	0.000	0.000	0.000
1885	0.00	0.00	240.827	0.00	0.48	0.00	0.000	0.000	0.000
1886	0.00	0.00	240.352	0.00	0.48	0.00	0.000	0.000	0.000
1887	0.00	0.00	239.877	0.00	0.48	0.00	0.000	0.000	0.000
1888	0.00	0.00	239.402	0.00	0.48	0.00	0.000	0.000	0.000
1889	0.00	0.00	238.927	0.00	0.48	0.00	0.000	0.000	0.000
1890	0.00	0.00	238.452	0.00	0.48	0.00	0.000	0.000	0.000
1891	0.00	0.00	237.977	0.00	0.48	0.00	0.000	0.000	0.000
1892	0.00	0.00	237.502	0.00	0.48	0.00	0.000	0.000	0.000
1893	0.00	0.00	237.027	0.00	0.48	0.00	0.000	0.000	0.000
1894	0.00	0.00	236.552	0.00	0.48	0.00	0.000	0.000	0.000
1895	0.00	0.00	236.077	0.00	0.48	0.00	0.000	0.000	0.000
1896	0.00	0.00	235.602	0.00	0.48	0.00	0.000	0.000	0.000
1897	0.00	0.00	235.127	0.00	0.48	0.00	0.000	0.000	0.000
1898	0.00	0.00	234.652	0.00	0.48	0.00	0.000	0.000	0.000
1899	0.00	0.00	234.177	0.00	0.48	0.00	0.000	0.000	0.000
1900	0.00	0.00	233.702	0.00	0.48	0.00	0.000	0.000	0.000
1901	0.00	0.00	233.227	0.00	0.48	0.00	0.000	0.000	0.000
1902	0.00	0.00	232.752	0.00	0.48	0.00	0.000	0.000	0.000
1903	0.00	0.00	232.277	0.00	0.48	0.00	0.000	0.000	0.000
1904	0.00	0.00	231.802	0.00	0.48	0.00	0.000	0.000	0.000
1905	0.00	0.00	231.327	0.00	0.48	0.00	0.000	0.000	0.000
1906	0.00	0.00	230.852	0.00	0.48	0.00	0.000	0.000	0.000
1907	0.00	0.00	230.377	0.00	0.48	0.00	0.000	0.000	0.000
1908	0.00	0.00	229.902	0.00	0.48	0.00	0.000	0.000	0.000
1909	0.00	0.00	229.427	0.00	0.48	0.00	0.000	0.000	0.000
1910	0.00	0.00	228.952	0.00	0.48	0.00	0.000	0.000	0.000
1911	0.00	0.00	228.477	0.00	0.48	0.00	0.000	0.000	0.000
1912	0.00	0.00	228.002	0.00	0.48	0.00	0.000	0.000	0.000
1913	0.00	0.00	227.527	0.00	0.48	0.00	0.000	0.000	0.000
1914	0.00	0.00	227.052	0.00	0.48	0.00	0.000	0.000	0.000
1915	0.00	0.00	226.577	0.00	0.48	0.00	0.000	0.000	0.000
1916	0.00	0.00	226.102	0.00	0.48	0.00	0.000	0.000	0.000
1917	0.00	0.00	225.627	0.00	0.48	0.00	0.000	0.000	0.000
1918	0.00	0.00	225.152	0.00	0.48	0.00	0.000	0.000	0.000
1919	0.00	0.00	224.677	0.00	0.48	0.00	0.000	0.000	0.000
1920	0.00	0.00	224.202	0.00	0.48	0.00	0.000	0.000	0.000
1921	0.00	0.00	223.727	0.00	0.48	0.00	0.000	0.000	0.000
1922	0.00	0.00	223.252	0.00	0.48	0.00	0.000	0.000	0.000
1923	0.00	0.00	222.777	0.00	0.48	0.00	0.000	0.000	0.000
1924	0.00	0.00	222.302	0.00	0.48	0.00	0.000	0.000	0.000
1925	0.00	0.00	221.827	0.00	0.48	0.00	0.000	0.000	0.000
1926	0.00	0.00	221.352	0.00	0.48	0.00	0.000	0.000	0.000
1927	0.00	0.00	220.877	0.00	0.48	0.00	0.000	0.000	0.000
1928	0.00	0.00	220.402	0.00	0.48	0.00	0.000	0.000	0.000
1929	0.00	0.00	219.927	0.00	0.48	0.00	0.000	0.000	0.000
1930	0.00	0.00	219.452	0.00	0.48	0.00	0.000	0.000	0.000
1931	0.00	0.00	218.977	0.00	0.48	0.00	0.000	0.000	0.000
1932	0.00	0.00	218.502	0.00	0.48	0.00	0.000	0.000	0.000
1933	0.00	0.00	218.027	0.00	0.48	0.00	0.000	0.000	0.000
1934	0.00	0.00	217.552	0.00	0.48	0.00	0.000	0.000	0.000
1935	0.00	0.00	217.077	0.00	0.48	0.00	0.000	0.000	0.000
1936	0.00	0.00	216.602	0.00	0.48	0.00	0.000	0.000	0.000
1937	0.00	0.00	216.127	0.00	0.48	0.00	0.000	0.000	0.000
1938	0.00	0.00	215.652	0.00	0.48	0.00	0.000	0.000	0.000
1939	0.00	0.00	215.177	0.00	0.48	0.00	0.000	0.000	0.000
1940	0.00	0.00	214.702	0.00	0.48	0.00	0.000	0.000	0.000
1941	0.00	0.00	214.227	0.00	0.48	0.00	0.000	0.000	0.000
1942	0.00	0.00	213.752	0.00	0.48	0.00	0.000	0.000	0.000
1943	0.00	0.00	213.277	0.00	0.48	0.00	0.000	0.000	0.000
1944	0.00	0.00	212.802	0.00	0.48	0.00	0.000	0.000	0.000
1945	0.00	0.00	212.327	0.00	0.48	0.00	0.000	0.000	0.000
1946	0.00	0.00	211.852	0.00	0.48	0.00	0.000	0.000	0.000
1947	0.00	0.00	211.377	0.00	0.48	0.00	0.000	0.000	0.000
1948	0.00	0.00	210.902	0.00	0.48	0.00	0.000	0.000	0.000
1949	0.00	0.00	210.427	0.00	0.48	0.00	0.000	0.000	0.000

Southern SMA Calculations

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	**1779.174**			**Final Basin Soakpit Volume:**	**216.600**	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
1950	0.00	0.00	209.952	0.00	0.48	0.00	0.000	0.000	0.000
1951	0.00	0.00	209.477	0.00	0.48	0.00	0.000	0.000	0.000
1952	0.00	0.00	209.002	0.00	0.48	0.00	0.000	0.000	0.000
1953	0.00	0.00	208.527	0.00	0.48	0.00	0.000	0.000	0.000
1954	0.00	0.00	208.052	0.00	0.48	0.00	0.000	0.000	0.000
1955	0.00	0.00	207.577	0.00	0.48	0.00	0.000	0.000	0.000
1956	0.00	0.00	207.102	0.00	0.48	0.00	0.000	0.000	0.000
1957	0.00	0.00	206.627	0.00	0.48	0.00	0.000	0.000	0.000
1958	0.00	0.00	206.152	0.00	0.48	0.00	0.000	0.000	0.000
1959	0.00	0.00	205.677	0.00	0.48	0.00	0.000	0.000	0.000
1960	0.00	0.00	205.202	0.00	0.48	0.00	0.000	0.000	0.000
1961	0.00	0.00	204.727	0.00	0.48	0.00	0.000	0.000	0.000
1962	0.00	0.00	204.252	0.00	0.48	0.00	0.000	0.000	0.000
1963	0.00	0.00	203.777	0.00	0.48	0.00	0.000	0.000	0.000
1964	0.00	0.00	203.302	0.00	0.48	0.00	0.000	0.000	0.000
1965	0.00	0.00	202.827	0.00	0.48	0.00	0.000	0.000	0.000
1966	0.00	0.00	202.352	0.00	0.48	0.00	0.000	0.000	0.000
1967	0.00	0.00	201.877	0.00	0.48	0.00	0.000	0.000	0.000
1968	0.00	0.00	201.402	0.00	0.48	0.00	0.000	0.000	0.000
1969	0.00	0.00	200.927	0.00	0.48	0.00	0.000	0.000	0.000
1970	0.00	0.00	200.452	0.00	0.48	0.00	0.000	0.000	0.000
1971	0.00	0.00	199.977	0.00	0.48	0.00	0.000	0.000	0.000
1972	0.00	0.00	199.502	0.00	0.48	0.00	0.000	0.000	0.000
1973	0.00	0.00	199.027	0.00	0.48	0.00	0.000	0.000	0.000
1974	0.00	0.00	198.552	0.00	0.48	0.00	0.000	0.000	0.000
1975	0.00	0.00	198.077	0.00	0.48	0.00	0.000	0.000	0.000
1976	0.00	0.00	197.602	0.00	0.48	0.00	0.000	0.000	0.000
1977	0.00	0.00	197.127	0.00	0.48	0.00	0.000	0.000	0.000
1978	0.00	0.00	196.652	0.00	0.48	0.00	0.000	0.000	0.000
1979	0.00	0.00	196.177	0.00	0.48	0.00	0.000	0.000	0.000
1980	0.00	0.00	195.702	0.00	0.48	0.00	0.000	0.000	0.000
1981	0.00	0.00	195.227	0.00	0.48	0.00	0.000	0.000	0.000
1982	0.00	0.00	194.752	0.00	0.48	0.00	0.000	0.000	0.000
1983	0.00	0.00	194.277	0.00	0.48	0.00	0.000	0.000	0.000
1984	0.00	0.00	193.802	0.00	0.48	0.00	0.000	0.000	0.000
1985	0.00	0.00	193.327	0.00	0.48	0.00	0.000	0.000	0.000
1986	0.00	0.00	192.852	0.00	0.48	0.00	0.000	0.000	0.000
1987	0.00	0.00	192.377	0.00	0.48	0.00	0.000	0.000	0.000
1988	0.00	0.00	191.902	0.00	0.48	0.00	0.000	0.000	0.000
1989	0.00	0.00	191.427	0.00	0.48	0.00	0.000	0.000	0.000
1990	0.00	0.00	190.952	0.00	0.48	0.00	0.000	0.000	0.000
1991	0.00	0.00	190.477	0.00	0.48	0.00	0.000	0.000	0.000
1992	0.00	0.00	190.002	0.00	0.48	0.00	0.000	0.000	0.000
1993	0.00	0.00	189.527	0.00	0.48	0.00	0.000	0.000	0.000
1994	0.00	0.00	189.052	0.00	0.48	0.00	0.000	0.000	0.000
1995	0.00	0.00	188.577	0.00	0.48	0.00	0.000	0.000	0.000
1996	0.00	0.00	188.102	0.00	0.48	0.00	0.000	0.000	0.000
1997	0.00	0.00	187.627	0.00	0.48	0.00	0.000	0.000	0.000
1998	0.00	0.00	187.152	0.00	0.48	0.00	0.000	0.000	0.000
1999	0.00	0.00	186.677	0.00	0.48	0.00	0.000	0.000	0.000
2000	0.00	0.00	186.202	0.00	0.48	0.00	0.000	0.000	0.000
2001	0.00	0.00	185.727	0.00	0.48	0.00	0.000	0.000	0.000
2002	0.00	0.00	185.252	0.00	0.48	0.00	0.000	0.000	0.000
2003	0.00	0.00	184.777	0.00	0.48	0.00	0.000	0.000	0.000
2004	0.00	0.00	184.302	0.00	0.48	0.00	0.000	0.000	0.000
2005	0.00	0.00	183.827	0.00	0.48	0.00	0.000	0.000	0.000
2006	0.00	0.00	183.352	0.00	0.48	0.00	0.000	0.000	0.000
2007	0.00	0.00	182.877	0.00	0.48	0.00	0.000	0.000	0.000
2008	0.00	0.00	182.402	0.00	0.48	0.00	0.000	0.000	0.000
2009	0.00	0.00	181.927	0.00	0.48	0.00	0.000	0.000	0.000
2010	0.00	0.00	181.452	0.00	0.48	0.00	0.000	0.000	0.000
2011	0.00	0.00	180.977	0.00	0.48	0.00	0.000	0.000	0.000
2012	0.00	0.00	180.502	0.00	0.48	0.00	0.000	0.000	0.000
2013	0.00	0.00	180.027	0.00	0.48	0.00	0.000	0.000	0.000
2014	0.00	0.00	179.552	0.00	0.48	0.00	0.000	0.000	0.000
2015	0.00	0.00	179.077	0.00	0.48	0.00	0.000	0.000	0.000
2016	0.00	0.00	178.602	0.00	0.48	0.00	0.000	0.000	0.000
2017	0.00	0.00	178.127	0.00	0.48	0.00	0.000	0.000	0.000
2018	2.00	0.00	177.652	0.00	0.48	0.00	0.000	0.000	0.000
2019	0.00	0.00	177.177	0.00	0.48	0.00	0.000	0.000	0.000
2020	0.00	0.00	176.702	0.00	0.48	0.00	0.000	0.000	0.000
2021	0.00	0.00	176.227	0.00	0.48	0.00	0.000	0.000	0.000
2022	0.00	0.00	175.752	0.00	0.48	0.00	0.000	0.000	0.000
2023	0.00	0.00	175.277	0.00	0.48	0.00	0.000	0.000	0.000
2024	0.00	0.00	174.802	0.00	0.48	0.00	0.000	0.000	0.000
2025	0.00	0.00	174.327	0.00	0.48	0.00	0.000	0.000	0.000
2026	0.00	0.00	173.852	0.00	0.48	0.00	0.000	0.000	0.000
2027	0.00	0.00	173.377	0.00	0.48	0.00	0.000	0.000	0.000
2028	0.00	0.00	172.902	0.00	0.48	0.00	0.000	0.000	0.000
2029	0.00	0.00	172.427	0.00	0.48	0.00	0.000	0.000	0.000
2030	0.00	0.00	171.952	0.00	0.48	0.00	0.000	0.000	0.000
2031	0.00	0.00	171.477	0.00	0.48	0.00	0.000	0.000	0.000
2032	0.00	0.00	171.002	0.00	0.48	0.00	0.000	0.000	0.000
2033	0.00	0.00	170.527	0.00	0.48	0.00	0.000	0.000	0.000
2034	0.00	0.00	170.052	0.00	0.48	0.00	0.000	0.000	0.000
2035	0.00	0.00	169.577	0.00	0.48	0.00	0.000	0.000	0.000
2036	0.00	0.00	169.102	0.00	0.48	0.00	0.000	0.000	0.000
2037	0.00	0.00	168.627	0.00	0.48	0.00	0.000	0.000	0.000
2038	0.00	0.00	168.152	0.00	0.48	0.00	0.000	0.000	0.000
2039	0.00	0.00	167.677	0.00	0.48	0.00	0.000	0.000	0.000
2040	0.00	0.00	167.202	0.00	0.48	0.00	0.000	0.000	0.000
2041	0.00	0.00	166.727	0.00	0.48	0.00	0.000	0.000	0.000
2042	0.00	0.00	166.252	0.00	0.48	0.00	0.000	0.000	0.000
2043	0.00	0.00	165.777	0.00	0.48	0.00	0.000	0.000	0.000
2044	0.00	0.00	165.302	0.00	0.48	0.00	0.000	0.000	0.000
2045	0.00	0.00	164.827	0.00	0.48	0.00	0.000	0.000	0.000
2046	0.00	0.00	164.352	0.00	0.48	0.00	0.000	0.000	0.000
2047	0.00	0.00	163.877	0.00	0.48	0.00	0.000	0.000	0.000
2048	0.00	0.00	163.402	0.00	0.48	0.00	0.000	0.000	0.000
2049	0.00	0.00	162.927	0.00	0.48	0.00	0.000	0.000	0.000
2050	0.00	0.00	162.452	0.00	0.48	0.00	0.000	0.000	0.000
2051	0.00	0.00	161.977	0.00	0.48	0.00	0.000	0.000	0.000
2052	0.00	0.00	161.502	0.00	0.48	0.00	0.000	0.000	0.000

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
2053	0.00	0.00	161.027	0.00	0.48	0.00	0.000	0.000	0.000
2054	0.00	0.00	160.552	0.00	0.48	0.00	0.000	0.000	0.000
2055	0.00	0.00	160.077	0.00	0.48	0.00	0.000	0.000	0.000
2056	0.00	0.00	159.602	0.00	0.48	0.00	0.000	0.000	0.000
2057	0.00	0.00	159.127	0.00	0.48	0.00	0.000	0.000	0.000
2058	0.00	0.00	158.652	0.00	0.48	0.00	0.000	0.000	0.000
2059	0.00	0.00	158.177	0.00	0.48	0.00	0.000	0.000	0.000
2060	0.00	0.00	157.702	0.00	0.48	0.00	0.000	0.000	0.000
2061	0.00	0.00	157.227	0.00	0.48	0.00	0.000	0.000	0.000
2062	0.00	0.00	156.752	0.00	0.48	0.00	0.000	0.000	0.000
2063	0.00	0.00	156.277	0.00	0.48	0.00	0.000	0.000	0.000
2064	0.00	0.00	155.802	0.00	0.48	0.00	0.000	0.000	0.000
2065	0.00	0.00	155.327	0.00	0.48	0.00	0.000	0.000	0.000
2066	0.00	0.00	154.852	0.00	0.48	0.00	0.000	0.000	0.000
2067	0.00	0.00	154.377	0.00	0.48	0.00	0.000	0.000	0.000
2068	0.00	0.00	153.902	0.00	0.48	0.00	0.000	0.000	0.000
2069	0.00	0.00	153.427	0.00	0.48	0.00	0.000	0.000	0.000
2070	0.00	0.00	152.952	0.00	0.48	0.00	0.000	0.000	0.000
2071	0.00	0.00	152.477	0.00	0.48	0.00	0.000	0.000	0.000
2072	0.00	0.00	152.002	0.00	0.48	0.00	0.000	0.000	0.000
2073	0.00	0.00	151.527	0.00	0.48	0.00	0.000	0.000	0.000
2074	0.00	0.00	151.052	0.00	0.48	0.00	0.000	0.000	0.000
2075	0.00	0.00	150.577	0.00	0.48	0.00	0.000	0.000	0.000
2076	0.00	0.00	150.102	0.00	0.48	0.00	0.000	0.000	0.000
2077	0.00	0.00	149.627	0.00	0.48	0.00	0.000	0.000	0.000
2078	0.00	0.00	149.152	0.00	0.48	0.00	0.000	0.000	0.000
2079	0.00	0.00	148.677	0.00	0.48	0.00	0.000	0.000	0.000
2080	0.00	0.00	148.202	0.00	0.48	0.00	0.000	0.000	0.000
2081	0.00	0.00	147.727	0.00	0.48	0.00	0.000	0.000	0.000
2082	0.00	0.00	147.252	0.00	0.48	0.00	0.000	0.000	0.000
2083	0.00	0.00	146.777	0.00	0.48	0.00	0.000	0.000	0.000
2084	0.00	0.00	146.302	0.00	0.48	0.00	0.000	0.000	0.000
2085	0.00	0.00	145.827	0.00	0.48	0.00	0.000	0.000	0.000
2086	0.00	0.00	145.352	0.00	0.48	0.00	0.000	0.000	0.000
2087	0.00	0.00	144.877	0.00	0.48	0.00	0.000	0.000	0.000
2088	0.00	0.00	144.402	0.00	0.48	0.00	0.000	0.000	0.000
2089	0.00	0.00	143.927	0.00	0.48	0.00	0.000	0.000	0.000
2090	0.00	0.00	143.452	0.00	0.48	0.00	0.000	0.000	0.000
2091	0.00	0.00	142.977	0.00	0.48	0.00	0.000	0.000	0.000
2092	0.00	0.00	142.502	0.00	0.48	0.00	0.000	0.000	0.000
2093	0.00	0.00	142.027	0.00	0.48	0.00	0.000	0.000	0.000
2094	0.00	0.00	141.552	0.00	0.48	0.00	0.000	0.000	0.000
2095	0.00	0.00	141.077	0.00	0.48	0.00	0.000	0.000	0.000
2096	0.00	0.00	140.602	0.00	0.48	0.00	0.000	0.000	0.000
2097	0.00	0.00	140.127	0.00	0.48	0.00	0.000	0.000	0.000
2098	0.00	0.00	139.652	0.00	0.48	0.00	0.000	0.000	0.000
2099	0.00	0.00	139.177	0.00	0.48	0.00	0.000	0.000	0.000
2100	0.00	0.00	138.702	0.00	0.48	0.00	0.000	0.000	0.000
2101	0.00	0.00	138.227	0.00	0.48	0.00	0.000	0.000	0.000
2102	0.00	0.00	137.752	0.00	0.48	0.00	0.000	0.000	0.000
2103	0.00	0.00	137.277	0.00	0.48	0.00	0.000	0.000	0.000
2104	0.00	0.00	136.802	0.00	0.48	0.00	0.000	0.000	0.000
2105	0.00	0.00	136.327	0.00	0.48	0.00	0.000	0.000	0.000
2106	0.00	0.00	135.852	0.00	0.48	0.00	0.000	0.000	0.000
2107	0.00	0.00	135.377	0.00	0.48	0.00	0.000	0.000	0.000
2108	0.00	0.00	134.902	0.00	0.48	0.00	0.000	0.000	0.000
2109	0.00	0.00	134.427	0.00	0.48	0.00	0.000	0.000	0.000
2110	0.00	0.00	133.952	0.00	0.48	0.00	0.000	0.000	0.000
2111	0.00	0.00	133.477	0.00	0.48	0.00	0.000	0.000	0.000
2112	0.00	0.00	133.002	0.00	0.48	0.00	0.000	0.000	0.000
2113	0.00	0.00	132.527	0.00	0.48	0.00	0.000	0.000	0.000
2114	0.00	0.00	132.052	0.00	0.48	0.00	0.000	0.000	0.000
2115	0.00	0.00	131.577	0.00	0.48	0.00	0.000	0.000	0.000
2116	0.00	0.00	131.102	0.00	0.48	0.00	0.000	0.000	0.000
2117	0.00	0.00	130.627	0.00	0.48	0.00	0.000	0.000	0.000
2118	0.00	0.00	130.152	0.00	0.48	0.00	0.000	0.000	0.000
2119	0.00	0.00	129.677	0.00	0.48	0.00	0.000	0.000	0.000
2120	0.00	0.00	129.202	0.00	0.48	0.00	0.000	0.000	0.000
2121	2.00	0.00	128.727	0.00	0.48	0.00	0.000	0.000	0.000
2122	0.00	0.00	128.252	0.00	0.48	0.00	0.000	0.000	0.000
2123	0.00	0.00	127.777	0.00	0.48	0.00	0.000	0.000	0.000
2124	0.00	0.00	127.302	0.00	0.48	0.00	0.000	0.000	0.000
2125	0.00	0.00	126.827	0.00	0.48	0.00	0.000	0.000	0.000
2126	0.00	0.00	126.352	0.00	0.48	0.00	0.000	0.000	0.000
2127	0.00	0.00	125.877	0.00	0.48	0.00	0.000	0.000	0.000
2128	0.00	0.00	125.402	0.00	0.48	0.00	0.000	0.000	0.000
2129	0.00	0.00	124.927	0.00	0.48	0.00	0.000	0.000	0.000
2130	0.00	0.00	124.452	0.00	0.48	0.00	0.000	0.000	0.000
2131	0.00	0.00	123.977	0.00	0.48	0.00	0.000	0.000	0.000
2132	0.00	0.00	123.502	0.00	0.48	0.00	0.000	0.000	0.000
2133	0.00	0.00	123.027	0.00	0.48	0.00	0.000	0.000	0.000
2134	0.00	0.00	122.552	0.00	0.48	0.00	0.000	0.000	0.000
2135	0.00	0.00	122.077	0.00	0.48	0.00	0.000	0.000	0.000
2136	0.00	0.00	121.602	0.00	0.48	0.00	0.000	0.000	0.000
2137	0.00	0.00	121.127	0.00	0.48	0.00	0.000	0.000	0.000
2138	0.00	0.00	120.652	0.00	0.48	0.00	0.000	0.000	0.000
2139	0.00	0.00	120.177	0.00	0.48	0.00	0.000	0.000	0.000
2140	0.00	0.00	119.702	0.00	0.48	0.00	0.000	0.000	0.000
2141	0.00	0.00	119.227	0.00	0.48	0.00	0.000	0.000	0.000
2142	0.00	0.00	118.752	0.00	0.48	0.00	0.000	0.000	0.000
2143	0.00	0.00	118.277	0.00	0.48	0.00	0.000	0.000	0.000
2144	0.00	0.00	117.802	0.00	0.48	0.00	0.000	0.000	0.000
2145	0.00	0.00	117.327	0.00	0.48	0.00	0.000	0.000	0.000
2146	0.00	0.00	116.852	0.00	0.48	0.00	0.000	0.000	0.000
2147	0.00	0.00	116.377	0.00	0.48	0.00	0.000	0.000	0.000
2148	0.00	0.00	115.902	0.00	0.48	0.00	0.000	0.000	0.000
2149	0.00	0.00	115.427	0.00	0.48	0.00	0.000	0.000	0.000
2150	0.00	0.00	114.952	0.00	0.48	0.00	0.000	0.000	0.000
2151	0.00	0.00	114.477	0.00	0.48	0.00	0.000	0.000	0.000
2152	0.00	0.00	114.002	0.00	0.48	0.00	0.000	0.000	0.000
2153	0.00	0.00	113.527	0.00	0.48	0.00	0.000	0.000	0.000
2154	0.00	0.00	113.052	0.00	0.48	0.00	0.000	0.000	0.000
2155	0.00	0.00	112.577	0.00	0.48	0.00	0.000	0.000	0.000

Set up Design Storm			Routing through FF Basin				Routing through Basin Soakpit		
			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
2156	0.00	0.00	112.102	0.00	0.48	0.00	0.000	0.000	0.000
2157	0.00	0.00	111.627	0.00	0.48	0.00	0.000	0.000	0.000
2158	0.00	0.00	111.152	0.00	0.48	0.00	0.000	0.000	0.000
2159	0.00	0.00	110.677	0.00	0.48	0.00	0.000	0.000	0.000
2160	0.00	0.00	110.202	0.00	0.48	0.00	0.000	0.000	0.000
2161	0.00	0.00	109.727	0.00	0.48	0.00	0.000	0.000	0.000
2162	0.00	0.00	109.252	0.00	0.48	0.00	0.000	0.000	0.000
2163	0.00	0.00	108.777	0.00	0.48	0.00	0.000	0.000	0.000
2164	0.00	0.00	108.302	0.00	0.48	0.00	0.000	0.000	0.000
2165	0.00	0.00	107.827	0.00	0.48	0.00	0.000	0.000	0.000
2166	0.00	0.00	107.352	0.00	0.48	0.00	0.000	0.000	0.000
2167	0.00	0.00	106.877	0.00	0.48	0.00	0.000	0.000	0.000
2168	0.00	0.00	106.402	0.00	0.48	0.00	0.000	0.000	0.000
2169	0.00	0.00	105.927	0.00	0.48	0.00	0.000	0.000	0.000
2170	0.00	0.00	105.452	0.00	0.48	0.00	0.000	0.000	0.000
2171	0.00	0.00	104.977	0.00	0.48	0.00	0.000	0.000	0.000
2172	0.00	0.00	104.502	0.00	0.48	0.00	0.000	0.000	0.000
2173	0.00	0.00	104.027	0.00	0.48	0.00	0.000	0.000	0.000
2174	0.00	0.00	103.552	0.00	0.48	0.00	0.000	0.000	0.000
2175	0.00	0.00	103.077	0.00	0.48	0.00	0.000	0.000	0.000
2176	0.00	0.00	102.602	0.00	0.48	0.00	0.000	0.000	0.000
2177	0.00	0.00	102.127	0.00	0.48	0.00	0.000	0.000	0.000
2178	0.00	0.00	101.652	0.00	0.48	0.00	0.000	0.000	0.000
2179	0.00	0.00	101.177	0.00	0.48	0.00	0.000	0.000	0.000
2180	0.00	0.00	100.702	0.00	0.48	0.00	0.000	0.000	0.000
2181	0.00	0.00	100.227	0.00	0.48	0.00	0.000	0.000	0.000
2182	0.00	0.00	99.752	0.00	0.48	0.00	0.000	0.000	0.000
2183	0.00	0.00	99.277	0.00	0.48	0.00	0.000	0.000	0.000
2184	0.00	0.00	98.802	0.00	0.48	0.00	0.000	0.000	0.000
2185	0.00	0.00	98.327	0.00	0.48	0.00	0.000	0.000	0.000
2186	0.00	0.00	97.852	0.00	0.48	0.00	0.000	0.000	0.000
2187	0.00	0.00	97.377	0.00	0.48	0.00	0.000	0.000	0.000
2188	0.00	0.00	96.902	0.00	0.48	0.00	0.000	0.000	0.000
2189	0.00	0.00	96.427	0.00	0.48	0.00	0.000	0.000	0.000
2190	0.00	0.00	95.952	0.00	0.48	0.00	0.000	0.000	0.000
2191	0.00	0.00	95.477	0.00	0.48	0.00	0.000	0.000	0.000
2192	0.00	0.00	95.002	0.00	0.48	0.00	0.000	0.000	0.000
2193	0.00	0.00	94.527	0.00	0.48	0.00	0.000	0.000	0.000
2194	0.00	0.00	94.052	0.00	0.48	0.00	0.000	0.000	0.000
2195	0.00	0.00	93.577	0.00	0.48	0.00	0.000	0.000	0.000
2196	0.00	0.00	93.102	0.00	0.48	0.00	0.000	0.000	0.000
2197	0.00	0.00	92.627	0.00	0.48	0.00	0.000	0.000	0.000
2198	0.00	0.00	92.152	0.00	0.48	0.00	0.000	0.000	0.000
2199	0.00	0.00	91.677	0.00	0.48	0.00	0.000	0.000	0.000
2200	0.00	0.00	91.202	0.00	0.48	0.00	0.000	0.000	0.000
2201	0.00	0.00	90.727	0.00	0.48	0.00	0.000	0.000	0.000
2202	0.00	0.00	90.252	0.00	0.48	0.00	0.000	0.000	0.000
2203	0.00	0.00	89.777	0.00	0.48	0.00	0.000	0.000	0.000
2204	0.00	0.00	89.302	0.00	0.48	0.00	0.000	0.000	0.000
2205	0.00	0.00	88.827	0.00	0.48	0.00	0.000	0.000	0.000
2206	0.00	0.00	88.352	0.00	0.48	0.00	0.000	0.000	0.000
2207	0.00	0.00	87.877	0.00	0.48	0.00	0.000	0.000	0.000
2208	0.00	0.00	87.402	0.00	0.48	0.00	0.000	0.000	0.000
2209	0.00	0.00	86.927	0.00	0.48	0.00	0.000	0.000	0.000
2210	0.00	0.00	86.452	0.00	0.48	0.00	0.000	0.000	0.000
2211	0.00	0.00	85.977	0.00	0.48	0.00	0.000	0.000	0.000
2212	0.00	0.00	85.502	0.00	0.48	0.00	0.000	0.000	0.000
2213	0.00	0.00	85.027	0.00	0.48	0.00	0.000	0.000	0.000
2214	0.00	0.00	84.552	0.00	0.48	0.00	0.000	0.000	0.000
2215	0.00	0.00	84.077	0.00	0.48	0.00	0.000	0.000	0.000
2216	0.00	0.00	83.602	0.00	0.48	0.00	0.000	0.000	0.000
2217	0.00	0.00	83.127	0.00	0.48	0.00	0.000	0.000	0.000
2218	0.00	0.00	82.652	0.00	0.48	0.00	0.000	0.000	0.000
2219	0.00	0.00	82.177	0.00	0.48	0.00	0.000	0.000	0.000
2220	0.00	0.00	81.702	0.00	0.48	0.00	0.000	0.000	0.000
2221	0.00	0.00	81.227	0.00	0.48	0.00	0.000	0.000	0.000
2222	0.00	0.00	80.752	0.00	0.48	0.00	0.000	0.000	0.000
2223	0.00	0.00	80.277	0.00	0.48	0.00	0.000	0.000	0.000
2224	2.00	0.00	79.802	0.00	0.48	0.00	0.000	0.000	0.000
2225	0.00	0.00	79.327	0.00	0.48	0.00	0.000	0.000	0.000
2226	0.00	0.00	78.852	0.00	0.48	0.00	0.000	0.000	0.000
2227	0.00	0.00	78.377	0.00	0.48	0.00	0.000	0.000	0.000
2228	0.00	0.00	77.902	0.00	0.48	0.00	0.000	0.000	0.000
2229	0.00	0.00	77.427	0.00	0.48	0.00	0.000	0.000	0.000
2230	0.00	0.00	76.952	0.00	0.48	0.00	0.000	0.000	0.000
2231	0.00	0.00	76.477	0.00	0.48	0.00	0.000	0.000	0.000
2232	0.00	0.00	76.002	0.00	0.48	0.00	0.000	0.000	0.000
2233	0.00	0.00	75.527	0.00	0.48	0.00	0.000	0.000	0.000
2234	0.00	0.00	75.052	0.00	0.48	0.00	0.000	0.000	0.000
2235	0.00	0.00	74.577	0.00	0.48	0.00	0.000	0.000	0.000
2236	0.00	0.00	74.102	0.00	0.48	0.00	0.000	0.000	0.000
2237	0.00	0.00	73.627	0.00	0.48	0.00	0.000	0.000	0.000
2238	0.00	0.00	73.152	0.00	0.48	0.00	0.000	0.000	0.000
2239	0.00	0.00	72.677	0.00	0.48	0.00	0.000	0.000	0.000
2240	0.00	0.00	72.202	0.00	0.48	0.00	0.000	0.000	0.000
2241	0.00	0.00	71.727	0.00	0.48	0.00	0.000	0.000	0.000
2242	0.00	0.00	71.252	0.00	0.48	0.00	0.000	0.000	0.000
2243	0.00	0.00	70.777	0.00	0.48	0.00	0.000	0.000	0.000
2244	0.00	0.00	70.302	0.00	0.48	0.00	0.000	0.000	0.000
2245	0.00	0.00	69.827	0.00	0.48	0.00	0.000	0.000	0.000
2246	0.00	0.00	69.352	0.00	0.48	0.00	0.000	0.000	0.000
2247	0.00	0.00	68.877	0.00	0.48	0.00	0.000	0.000	0.000
2248	0.00	0.00	68.402	0.00	0.48	0.00	0.000	0.000	0.000
2249	0.00	0.00	67.927	0.00	0.48	0.00	0.000	0.000	0.000
2250	0.00	0.00	67.452	0.00	0.48	0.00	0.000	0.000	0.000
2251	0.00	0.00	66.977	0.00	0.48	0.00	0.000	0.000	0.000
2252	0.00	0.00	66.502	0.00	0.48	0.00	0.000	0.000	0.000
2253	0.00	0.00	66.027	0.00	0.48	0.00	0.000	0.000	0.000
2254	0.00	0.00	65.552	0.00	0.48	0.00	0.000	0.000	0.000
2255	0.00	0.00	65.077	0.00	0.48	0.00	0.000	0.000	0.000
2256	0.00	0.00	64.602	0.00	0.48	0.00	0.000	0.000	0.000
2257	0.00	0.00	64.127	0.00	0.48	0.00	0.000	0.000	0.000
2258	0.00	0.00	63.652	0.00	0.48	0.00	0.000	0.000	0.000

	Set up Design Storm			Routing through FF Basin					Routing through Basin Soakpit		
				Final FF Basin Volume:	1779.174				**Final Basin Soakpit Volume:**	216.600	
Checks	360.00	82.80		2583.14	2520.27	169.20			216.60	355.30	
Summary	2.00	82.80		1802.13	2520.27	1133.93			216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)		Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)		Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
2259	0.00	0.00		63.177	0.00	0.48	0.00		0.000	0.000	0.000
2260	0.00	0.00		62.702	0.00	0.48	0.00		0.000	0.000	0.000
2261	0.00	0.00		62.227	0.00	0.48	0.00		0.000	0.000	0.000
2262	0.00	0.00		61.752	0.00	0.48	0.00		0.000	0.000	0.000
2263	0.00	0.00		61.277	0.00	0.48	0.00		0.000	0.000	0.000
2264	0.00	0.00		60.802	0.00	0.48	0.00		0.000	0.000	0.000
2265	0.00	0.00		60.327	0.00	0.48	0.00		0.000	0.000	0.000
2266	0.00	0.00		59.852	0.00	0.48	0.00		0.000	0.000	0.000
2267	0.00	0.00		59.377	0.00	0.48	0.00		0.000	0.000	0.000
2268	0.00	0.00		58.902	0.00	0.48	0.00		0.000	0.000	0.000
2269	0.00	0.00		58.427	0.00	0.48	0.00		0.000	0.000	0.000
2270	0.00	0.00		57.952	0.00	0.48	0.00		0.000	0.000	0.000
2271	0.00	0.00		57.477	0.00	0.48	0.00		0.000	0.000	0.000
2272	0.00	0.00		57.002	0.00	0.48	0.00		0.000	0.000	0.000
2273	0.00	0.00		56.527	0.00	0.48	0.00		0.000	0.000	0.000
2274	0.00	0.00		56.052	0.00	0.48	0.00		0.000	0.000	0.000
2275	0.00	0.00		55.577	0.00	0.48	0.00		0.000	0.000	0.000
2276	0.00	0.00		55.102	0.00	0.48	0.00		0.000	0.000	0.000
2277	0.00	0.00		54.627	0.00	0.48	0.00		0.000	0.000	0.000
2278	0.00	0.00		54.152	0.00	0.48	0.00		0.000	0.000	0.000
2279	0.00	0.00		53.677	0.00	0.48	0.00		0.000	0.000	0.000
2280	0.00	0.00		53.202	0.00	0.48	0.00		0.000	0.000	0.000
2281	0.00	0.00		52.727	0.00	0.48	0.00		0.000	0.000	0.000
2282	0.00	0.00		52.252	0.00	0.48	0.00		0.000	0.000	0.000
2283	0.00	0.00		51.777	0.00	0.48	0.00		0.000	0.000	0.000
2284	0.00	0.00		51.302	0.00	0.48	0.00		0.000	0.000	0.000
2285	0.00	0.00		50.827	0.00	0.48	0.00		0.000	0.000	0.000
2286	0.00	0.00		50.352	0.00	0.48	0.00		0.000	0.000	0.000
2287	0.00	0.00		49.877	0.00	0.48	0.00		0.000	0.000	0.000
2288	0.00	0.00		49.402	0.00	0.48	0.00		0.000	0.000	0.000
2289	0.00	0.00		48.927	0.00	0.48	0.00		0.000	0.000	0.000
2290	0.00	0.00		48.452	0.00	0.48	0.00		0.000	0.000	0.000
2291	0.00	0.00		47.977	0.00	0.48	0.00		0.000	0.000	0.000
2292	0.00	0.00		47.502	0.00	0.48	0.00		0.000	0.000	0.000
2293	0.00	0.00		47.027	0.00	0.48	0.00		0.000	0.000	0.000
2294	0.00	0.00		46.552	0.00	0.48	0.00		0.000	0.000	0.000
2295	0.00	0.00		46.077	0.00	0.48	0.00		0.000	0.000	0.000
2296	0.00	0.00		45.602	0.00	0.48	0.00		0.000	0.000	0.000
2297	0.00	0.00		45.127	0.00	0.48	0.00		0.000	0.000	0.000
2298	0.00	0.00		44.652	0.00	0.48	0.00		0.000	0.000	0.000
2299	0.00	0.00		44.177	0.00	0.48	0.00		0.000	0.000	0.000
2300	0.00	0.00		43.702	0.00	0.48	0.00		0.000	0.000	0.000
2301	0.00	0.00		43.227	0.00	0.48	0.00		0.000	0.000	0.000
2302	0.00	0.00		42.752	0.00	0.48	0.00		0.000	0.000	0.000
2303	0.00	0.00		42.277	0.00	0.48	0.00		0.000	0.000	0.000
2304	0.00	0.00		41.802	0.00	0.48	0.00		0.000	0.000	0.000
2305	0.00	0.00		41.327	0.00	0.48	0.00		0.000	0.000	0.000
2306	0.00	0.00		40.852	0.00	0.48	0.00		0.000	0.000	0.000
2307	0.00	0.00		40.377	0.00	0.48	0.00		0.000	0.000	0.000
2308	0.00	0.00		39.902	0.00	0.48	0.00		0.000	0.000	0.000
2309	0.00	0.00		39.427	0.00	0.48	0.00		0.000	0.000	0.000
2310	0.00	0.00		38.952	0.00	0.48	0.00		0.000	0.000	0.000
2311	0.00	0.00		38.477	0.00	0.48	0.00		0.000	0.000	0.000
2312	0.00	0.00		38.002	0.00	0.48	0.00		0.000	0.000	0.000
2313	0.00	0.00		37.527	0.00	0.48	0.00		0.000	0.000	0.000
2314	0.00	0.00		37.052	0.00	0.48	0.00		0.000	0.000	0.000
2315	0.00	0.00		36.577	0.00	0.48	0.00		0.000	0.000	0.000
2316	0.00	0.00		36.102	0.00	0.48	0.00		0.000	0.000	0.000
2317	0.00	0.00		35.627	0.00	0.48	0.00		0.000	0.000	0.000
2318	0.00	0.00		35.152	0.00	0.48	0.00		0.000	0.000	0.000
2319	0.00	0.00		34.677	0.00	0.48	0.00		0.000	0.000	0.000
2320	0.00	0.00		34.202	0.00	0.48	0.00		0.000	0.000	0.000
2321	0.00	0.00		33.727	0.00	0.48	0.00		0.000	0.000	0.000
2322	0.00	0.00		33.252	0.00	0.48	0.00		0.000	0.000	0.000
2323	0.00	0.00		32.777	0.00	0.48	0.00		0.000	0.000	0.000
2324	0.00	0.00		32.302	0.00	0.48	0.00		0.000	0.000	0.000
2325	0.00	0.00		31.827	0.00	0.48	0.00		0.000	0.000	0.000
2326	0.00	0.00		31.352	0.00	0.48	0.00		0.000	0.000	0.000
2327	0.00	0.00		30.877	0.00	0.48	0.00		0.000	0.000	0.000
2328	0.00	0.00		30.402	0.00	0.48	0.00		0.000	0.000	0.000
2329	0.00	0.00		29.927	0.00	0.48	0.00		0.000	0.000	0.000
2330	0.00	0.00		29.452	0.00	0.48	0.00		0.000	0.000	0.000
2331	0.00	0.00		28.977	0.00	0.48	0.00		0.000	0.000	0.000
2332	0.00	0.00		28.502	0.00	0.48	0.00		0.000	0.000	0.000
2333	0.00	0.00		28.027	0.00	0.48	0.00		0.000	0.000	0.000
2334	0.00	0.00		27.552	0.00	0.48	0.00		0.000	0.000	0.000
2335	0.00	0.00		27.077	0.00	0.48	0.00		0.000	0.000	0.000
2336	0.00	0.00		26.602	0.00	0.48	0.00		0.000	0.000	0.000
2337	0.00	0.00		26.127	0.00	0.48	0.00		0.000	0.000	0.000
2338	0.00	0.00		25.652	0.00	0.48	0.00		0.000	0.000	0.000
2339	0.00	0.00		25.177	0.00	0.48	0.00		0.000	0.000	0.000
2340	0.00	0.00		24.702	0.00	0.48	0.00		0.000	0.000	0.000
2341	0.00	0.00		24.227	0.00	0.48	0.00		0.000	0.000	0.000
2342	0.00	0.00		23.752	0.00	0.48	0.00		0.000	0.000	0.000
2343	0.00	0.00		23.277	0.00	0.48	0.00		0.000	0.000	0.000
2344	0.00	0.00		22.802	0.00	0.48	0.00		0.000	0.000	0.000
2345	0.00	0.00		22.327	0.00	0.48	0.00		0.000	0.000	0.000
2346	0.00	0.00		21.852	0.00	0.48	0.00		0.000	0.000	0.000
2347	0.00	0.00		21.377	0.00	0.48	0.00		0.000	0.000	0.000
2348	0.00	0.00		20.902	0.00	0.48	0.00		0.000	0.000	0.000
2349	0.00	0.00		20.427	0.00	0.48	0.00		0.000	0.000	0.000
2350	0.00	0.00		19.952	0.00	0.48	0.00		0.000	0.000	0.000
2351	0.00	0.00		19.477	0.00	0.48	0.00		0.000	0.000	0.000
2352	0.00	0.00		19.002	0.00	0.48	0.00		0.000	0.000	0.000
2353	0.00	0.00		18.527	0.00	0.48	0.00		0.000	0.000	0.000
2354	0.00	0.00		18.052	0.00	0.48	0.00		0.000	0.000	0.000
2355	0.00	0.00		17.577	0.00	0.48	0.00		0.000	0.000	0.000
2356	0.00	0.00		17.102	0.00	0.48	0.00		0.000	0.000	0.000
2357	0.00	0.00		16.627	0.00	0.48	0.00		0.000	0.000	0.000
2358	0.00	0.00		16.152	0.00	0.48	0.00		0.000	0.000	0.000
2359	0.00	0.00		15.677	0.00	0.48	0.00		0.000	0.000	0.000
2360	0.00	0.00		15.202	0.00	0.48	0.00		0.000	0.000	0.000
2361	0.00	0.00		14.727	0.00	0.48	0.00		0.000	0.000	0.000

Southern SMA Calculations

Set up Design Storm | Routing through FF Basin | Routing through Basin Soakpit

			Final FF Basin Volume:	1779.174			Final Basin Soakpit Volume:	216.600	
Checks	360.00	82.80	2583.14	2520.27	169.20		216.60	355.30	
Summary	2.00	82.80	1802.13	2520.27	1133.93		216.60	1386.35	1041.18
Time (min)	Distribution Curve	Rainfall (mm)	Volume at start of timestep (m³)	Site Runoff (m³/min)	Soakage (m³/min)	Overflow (m³/min)	Volume at start of timestep (m³)	Soakage (m³)	Excess (m³)
2362	0.00	0.00	14.252	0.00	0.48	0.00	0.000	0.000	0.000
2363	0.00	0.00	13.777	0.00	0.48	0.00	0.000	0.000	0.000
2364	0.00	0.00	13.302	0.00	0.48	0.00	0.000	0.000	0.000
2365	0.00	0.00	12.827	0.00	0.48	0.00	0.000	0.000	0.000
2366	0.00	0.00	12.352	0.00	0.48	0.00	0.000	0.000	0.000
2367	0.00	0.00	11.877	0.00	0.48	0.00	0.000	0.000	0.000
2368	0.00	0.00	11.402	0.00	0.48	0.00	0.000	0.000	0.000
2369	0.00	0.00	10.927	0.00	0.48	0.00	0.000	0.000	0.000
2370	0.00	0.00	10.452	0.00	0.48	0.00	0.000	0.000	0.000
2371	0.00	0.00	9.977	0.00	0.48	0.00	0.000	0.000	0.000
2372	0.00	0.00	9.502	0.00	0.48	0.00	0.000	0.000	0.000
2373	0.00	0.00	9.027	0.00	0.48	0.00	0.000	0.000	0.000
2374	0.00	0.00	8.552	0.00	0.48	0.00	0.000	0.000	0.000
2375	0.00	0.00	8.077	0.00	0.48	0.00	0.000	0.000	0.000
2376	0.00	0.00	7.602	0.00	0.48	0.00	0.000	0.000	0.000
2377	0.00	0.00	7.127	0.00	0.48	0.00	0.000	0.000	0.000
2378	0.00	0.00	6.652	0.00	0.48	0.00	0.000	0.000	0.000
2379	0.00	0.00	6.177	0.00	0.48	0.00	0.000	0.000	0.000
2380	0.00	0.00	5.702	0.00	0.48	0.00	0.000	0.000	0.000
2381	0.00	0.00	5.227	0.00	0.48	0.00	0.000	0.000	0.000
2382	0.00	0.00	4.752	0.00	0.48	0.00	0.000	0.000	0.000
2383	0.00	0.00	4.277	0.00	0.48	0.00	0.000	0.000	0.000
2384	0.00	0.00	3.802	0.00	0.48	0.00	0.000	0.000	0.000
2385	0.00	0.00	3.327	0.00	0.48	0.00	0.000	0.000	0.000
2386	0.00	0.00	2.852	0.00	0.48	0.00	0.000	0.000	0.000
2387	0.00	0.00	2.377	0.00	0.48	0.00	0.000	0.000	0.000
2388	0.00	0.00	1.902	0.00	0.48	0.00	0.000	0.000	0.000
2389	0.00	0.00	1.427	0.00	0.48	0.00	0.000	0.000	0.000
2390	0.00	0.00	0.952	0.00	0.48	0.00	0.000	0.000	0.000
2391	0.00	0.00	0.477	0.00	0.48	0.00	0.000	0.000	0.000
2392	0.00	0.00	0.002	0.00	0.00	0.00	0.000	0.000	0.000
2393	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2394	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2395	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2396	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2397	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2398	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2399	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2400	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2401	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2402	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2403	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2404	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2405	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2406	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2407	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2408	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2409	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2410	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2411	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2412	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2413	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2414	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2415	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2416	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2417	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2418	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2419	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2420	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2421	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2422	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2423	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2424	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2425	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2426	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2427	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2428	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2429	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2430	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2431	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2432	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2433	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2434	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2435	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2436	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2437	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2438	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2439	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2440	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2441	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2442	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2443	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2444	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2445	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2446	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2447	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2448	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2449	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2450	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2451	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2452	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2453	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2454	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2455	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2456	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2457	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2458	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2459	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2460	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2461	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2462	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2463	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000
2464	0.00	0.00	0.000	0.00	0.00	0.00	0.000	0.000	0.000