



PDS2014-SPA-14-001, PDS2010-3300-10-037 (MUP)
PDS2012-3940-12-002 (VAC), PDS2010-3910-9508007L (ER)
CHINESE BIBLE CHURCH OF SAN DIEGO DRAFT
SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT
APPENDIX N STORMWATER STUDY (SWQMP)

E N G I N E E R I N G
Professional Civil Engineer and Land Surveyor

December 8, 2016

Howard Cooper
Development Manager
Harper Communities Inc.
8110 El Paseo Grande Ste 105
San Diego, CA 92037

RE: MUP 10-037 CHANGES TO PROJECT DESCRIPTION

Howard,

The changes in the project description, i.e. no preschool and the addition of solar power, will have no impact on either the project CEQA Drainage Study or the project Storm Water Quality Management Plan. The changes will not impact the amount of impervious surfaces of the proposed project or the potential storm water pollutants generated by the project.

I hope this clarifies the issue for you. If you have any questions, feel free to contact me.



Sincerely,

A handwritten signature in black ink, appearing to read 'Michael L. Benesh'.

Michael L. Benesh, RCE 37893



**County of San Diego
Preliminary Priority Development Project (PDP)
SWQMP**

**Chinese Bible Church
MUP 10-037/REZ 10-004**

**16919 Four Gee Rd.
San Diego, CA**

**ASSESSOR'S PARCEL NUMBER(S):
678-060-27**

ENGINEER OF WORK:

Michael L. Benesh, RCE 37893



**PREPARED FOR:
Chinese Bible Church
16919 Four Gee Rd.
San Diego, CA**

**PDP SWQMP PREPARED BY:
MLB Engineering
404 S. Live Oak Park Road
Fallbrook, CA 92028**

**DATE OF SWQMP:
Wednesday, October 26, 2016**

**PLANS PREPARED BY:
MLB Engineering
404 S. Live Oak Park Road
Fallbrook, CA 92028
760 731-6603**

SWQMP APPROVED BY:

APPROVAL DATE:

This page was left intentionally blank.

Table of Contents

Table of Contents.....	iii
Attachments.....	iv
Acronyms.....	v
PDP SWQMP Preparer's Certification Page.....	vi
Submittal Record	viii
Project Vicinity Map	ix
Step 1: Project type determination (Standard or Priority Development Project)	1
Step 1.1: Storm Water Quality Management Plan requirements.....	3
Step 1.2: Exemption to PDP definitions	3
Step 2: Construction Storm Water BMP Checklist	4
Step 3: County of San Diego PDP SWQMP Site Information Checklist	7
Step 3.1: Description of Existing Site Condition	7
Step 3.2: Description of Existing Site Drainage Patterns	8
Step 3.3: Description of Proposed Site Development	9
Step 3.4: Description of Proposed Site Drainage Patterns.....	10
Step 3.5: Potential Pollutant Source Areas	11
Step 3.6: Identification and Narrative of Receiving Water and Pollutants of Concern	12
Step 3.7: Hydromodification Management Requirements	13
Step 3.7.1: Critical Coarse Sediment Yield Areas*	14
Step 3.7.2: Flow Control for Post-Project Runoff*	15
Step 3.8: Other Site Requirements and Constraints	16
Step 4: Source Control BMP Checklist	17
Step 5: Site Design BMP Checklist.....	19
Step 6: PDP Structural BMPs	21
Step 6.1: Description of structural BMP strategy.....	21
Step 6.2: Structural BMP Checklist.....	23
Step 6.3: Offsite Alternative Compliance Participation Form.....	41
ATTACHMENT 1	42
BACKUP FOR PDP POLLUTANT CONTROL BMPS.....	42
ATTACHMENT 2	44
BACKUP FOR PDP HYDROMODIFICATION CONTROL MEASURES	44
ATTACHMENT 2c.....	46

Management of Critical Coarse Sediment Yield Areas	46
ATTACHMENT 3	47
Structural BMP Maintenance Information	47
ATTACHMENT 3a	49
Maintenance Plan.....	49
ATTACHMENT 4	57
County of San Diego PDP Structural BMP Verification for Permitted Land Development Projects	57
ATTACHMENT 5	63
Copy of Plan Sheets Showing Permanent Storm Water BMPs, Source Control, and Site Design.....	63
ATTACHMENT 6	65
Copy of Project's Drainage Report	65
ATTACHMENT 7	67
Copy of Project's Geotechnical and Groundwater Investigation Report	67

Attachments

- Attachment 1: Backup for PDP Pollutant Control BMPs**
 - Attachment 1a: Storm Water Pollutant Control Worksheet Calculations
 - Attachment 1b: DMA Exhibit
 - Attachment 1c: Individual Structural BMP DMA Mapbook
- Attachment 2: Backup for PDP Hydromodification Control Measures**
 - Attachment 2a: Flow Control Facility Design
 - Attachment 2b: Hydromodification Management Exhibit
 - Attachment 2c: Management of Critical Coarse Sediment Yield Areas
 - Attachment 2d: Geomorphic Assessment of Receiving Channels (optional)
 - Attachment 2e: Vector Control Plan (if applicable)
- Attachment 3: Structural BMP Maintenance Plan**
 - Attachment 3a: Structural BMP Maintenance Thresholds and Actions
 - Attachment 3b: Draft Maintenance Agreements / Notifications(when applicable)
- Attachment 4: County of San Diego PDP Structural BMP Verification for DPW Permitted Land Development Projects**
- Attachment 5: Copy of Plan Sheets Showing Permanent Storm Water BMPs**
- Attachment 6: Copy of Project's Drainage Report**
- Attachment 7: Copy of Project's Geotechnical and Groundwater Investigation Report**

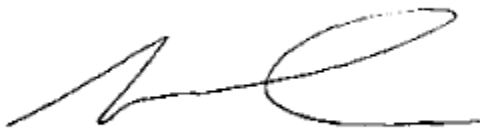
Acronyms

ACP	Alternative Compliance Project
APN	Assessor's Parcel Number
BMP	Best Management Practice
BMP DM	Best Management Practice Design Manual
HMP	Hydromodification Management Plan
HSG	Hydrologic Soil Group
MS4	Municipal Separate Storm Sewer System
N/A	Not Applicable
NRCS	Natural Resources Conservation Service
PDCI	Private Development Construction Inspection Section
PDP	Priority Development Project
PDS	Planning and Development Services
PE	Professional Engineer
RPO	Resource Protection Ordinance
SC	Source Control
SD	Site Design
SDRWQCB	San Diego Regional Water Quality Control Board
SIC	Standard Industrial Classification
SWQMP	Storm Water Quality Management Plan
WMAA	Watershed Management Area Analysis
WPO	Watershed Protection Ordinance
WQIP	Water Quality Improvement Plan

PDP SWQMP Preparer's Certification Page**Project Name: Chinese Bible Church****Permit Application Number: MUP 10-037/REZ 10-004****PREPARER'S CERTIFICATION**

I hereby declare that I am the Engineer in Responsible Charge of design of storm water best management practices (BMPs) for this project, and that I have exercised responsible charge over the design of the BMPs as defined in Section 6703 of the Business and Professions Code, and that the design is consistent with the PDP requirements of the County of San Diego BMP Design Manual, which is a design manual for compliance with local County of San Diego Watershed Protection Ordinance (Sections 67.801 et seq.) and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2013-0001 as amended by R9-2015-0001 and R9-2015-0100) requirements for storm water management.

I have read and understand that the County of San Diego has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the BMP Design Manual. I certify that this PDP SWQMP has been completed to the best of my ability and accurately reflects the project being proposed and the applicable BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this PDP SWQMP by County staff is confined to a review and does not relieve me, as the Engineer in Responsible Charge of design of storm water BMPs for this project, of my responsibilities for project design.

**10/26/16****Michael L. Benesh, RCE 37893****Date****MLB Engineering****404 S. Live Oak Park Road****Fallbrook, CA 92028****Engineer's Seal:**

This page was left intentionally blank.

Submittal Record

Use this Table to keep a record of submittals of this PDP SWQMP. Each time the PDP SWQMP is re-submitted, provide the date and status of the project. In column 4 summarize the changes that have been made or indicate if response to plancheck comments is included. When applicable, insert response to plancheck comments behind this page.

Preliminary Design / Planning / CEQA

Submittal Number	Date	Summary of Changes
1	4/18/16	Initial Submittal – Revised Preliminary SWQMP
2	7/20/16	Response to County Review
3		
4		

Final Design

Submittal Number	Date	Summary of Changes
1		Initial Submittal
2		
3		
4		

Plan Changes

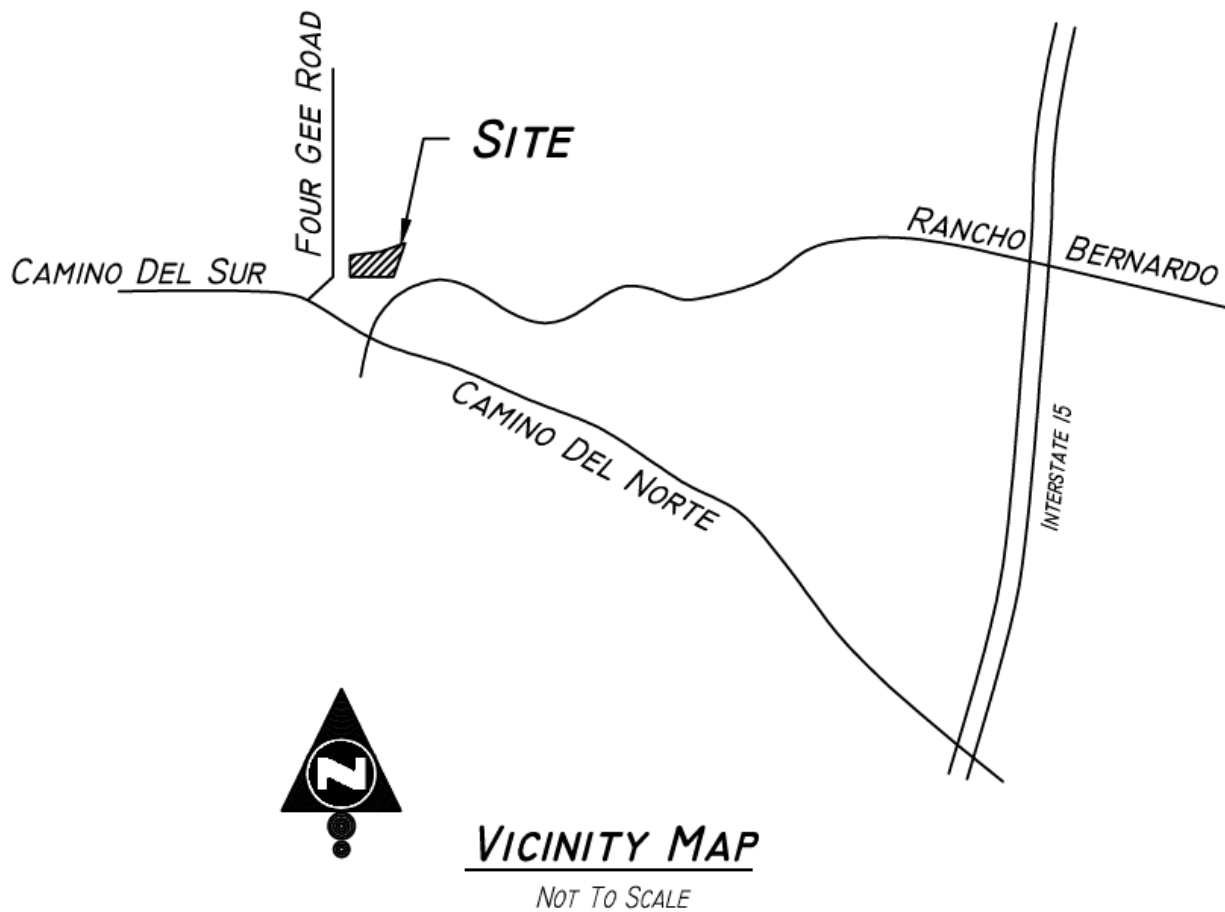
Submittal Number	Date	Summary of Changes
1		Initial Submittal
2		
3		
4		

Project Vicinity Map

Project Name: **Chinese Bible Church**

Record ID: MUP 10-037/REZ 10-004

Project Vicinity Map



Step 1: Project type determination (Standard or Priority Development Project)

Is the project part of another Priority Development Project (PDP)? (☐ Yes ☒ No)			
If so, a PDP SWQMP is required. Go to Step 2.			
The project is (select one): ☒ New Development ☐ Redevelopment ¹			
The total proposed newly created or replaced impervious area is:			161,272 ft ²
The total existing (pre-project) impervious area is:			36,590 ft ²
The total area disturbed by the project is:			348,480 ft ²
If the total area disturbed by the project is 1 acre (43,560 sq. ft.) or more OR the project is part of a larger common plan of development disturbing 1 acre or more, a Waste Discharger Identification (WDID) number must be obtained from the State Water Resources Control Board. WDID: _____			
Is the project in any of the following categories, (a) through (f)? ²			
Yes ☒	No ☐	(a)	New development projects that create 10,000 square feet or more of impervious surfaces ³ (collectively over the entire project site). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes ☐	No ☒	(b)	Redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site on an existing site of 10,000 square feet or more of impervious surfaces). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes ☒	No ☐	(c)	New and redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site), and support one or more of the following uses: (i) Restaurants. This category is defined as a facility that sells prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (Standard Industrial Classification (SIC) code 5812). (ii) Hillside development projects. This category includes development on any natural slope that is twenty-five percent or greater. (iii) Parking lots. This category is defined as a land area or facility for the temporary parking or storage of motor vehicles used personally, for business, or for commerce. (iv) Streets, roads, highways, freeways, and driveways. This category is defined as any paved impervious surface used for the transportation of automobiles, trucks, motorcycles, and other vehicles.

¹ Redevelopment is defined as: The creation and/or replacement of impervious surface on an already developed site. Examples include the expansion of a building footprint, road widening, the addition to or replacement of a structure, and creation or addition of impervious surfaces. Replacement of impervious surfaces includes any activity that is not part of a routine maintenance activity where impervious material(s) are removed, exposing underlying soil during construction. Redevelopment does not include routine maintenance activities, such as trenching and resurfacing associated with utility work; pavement grinding; resurfacing existing roadways; new sidewalks construction; pedestrian ramps; or bike lanes on existing roads; and routine replacement of damaged pavement, such as pothole repair.

² Applicants should note that any development project that will create and/or replace 10,000 square feet or more of impervious surface (collectively over the entire project site) is considered a new development.

³ For solar energy farm projects, the area of the solar panels does not count toward the total impervious area of the site.

Project type determination (continued)

Yes ☐	No ☒	(d)	New or redevelopment projects that create and/or replace 2,500 square feet or more of impervious surface (collectively over the entire project site), and discharging directly to an Environmentally Sensitive Area (ESA). "Discharging directly to" includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e. not commingled with flows from adjacent lands). <i>Note: ESAs are areas that include but are not limited to all Clean Water Act Section 303(d) impaired water bodies; areas designated as Areas of Special Biological Significance by the State Water Board and San Diego Water Board; State Water Quality Protected Areas; water bodies designated with the RARE beneficial use by the State Water Board and San Diego Water Board; and any other equivalent environmentally sensitive areas which have been identified by the Copermittees. See BMP Design Manual Section 1.4.2 for additional guidance.</i>
Yes ☐	No ☒	(e)	New development projects, or redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface, that support one or more of the following uses: (i) Automotive repair shops. This category is defined as a facility that is categorized in any one of the following SIC codes: 5013, 5014, 5541, 7532-7534, or 7536-7539. (ii) Retail gasoline outlets (RGOs). This category includes RGOs that meet the following criteria: (a) 5,000 square feet or more or (b) a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.
Yes ☐	No ☒	(f)	New or redevelopment projects that result in the disturbance of one or more acres of land and are expected to generate pollutants post construction. <i>Note: See BMP Design Manual Section 1.4.2 for additional guidance.</i>

Does the project meet the definition of one or more of the Priority Development Project categories (a) through (f) listed above?

☐ No – the project is not a Priority Development Project (Standard Project).

☒ Yes – the project is a Priority Development Project (PDP).

Further guidance may be found in Chapter 1 and Table 1-2 of the BMP Design Manual.

The following is for **redevelopment PDPs only**:

The area of existing (pre-project) impervious area at the project site is: ft² (A)

The total proposed newly created or replaced impervious area is ft² (B)

Percent impervious surface created or replaced (B/A)*100: %

The percent impervious surface created or replaced is (select one based on the above calculation):

☐ less than or equal to fifty percent (50%) – **only newly created or replaced impervious areas are considered a PDP and subject to stormwater requirements**

OR

☐ greater than fifty percent (50%) – **the entire project site is considered a PDP and subject to stormwater requirements**

Step 1.1: Storm Water Quality Management Plan requirements

Step	Answer	Progression
Is the project a Standard Project, Priority Development Project (PDP), or exception to PDP definitions? To answer this item, complete Step 1 Project Type Determination Checklist on Pages 1 and 2, and see PDP exemption information below. For further guidance, see Section 1.4 of the BMP Design Manual in its entirety.	☐ Standard Project	<u>Standard Project</u> requirements apply, including <u>Standard Project SWQMP</u> . Complete Standard Project SWQMP.
	☒ PDP	<u>Standard and PDP</u> requirements apply, including <u>PDP SWQMP</u> . Complete PDP SWQMP.
	☐ PDP with ACP	If participating in offsite alternative compliance, complete Step 6.3 and an ACP SWQMP.
	☐ PDP Exemption	Go to Step 1.2 below.

Step 1.2: Exemption to PDP definitions

Is the project exempt from PDP definitions based on either of the following: ☐ Projects that are only new or retrofit paved sidewalks, bicycle lanes, or trails that meet the following criteria: (i) Designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas; OR (ii) Designed and constructed to be hydraulically disconnected from paved streets or roads [i.e., runoff from the new improvement does not drain directly onto paved streets or roads]; OR (iii) Designed and constructed with permeable pavements or surfaces in accordance with County of San Diego Guidance on Green Infrastructure; ☐ Projects that are only retrofitting or redeveloping existing paved alleys, streets or roads that are designed and constructed in accordance with the County of San Diego Guidance on Green Infrastructure.	If so: <u>Standard Project</u> requirements apply, AND <u>any additional requirements specific to the type of project</u>. <u>County concurrence</u> with the exemption is required. <i>Provide discussion and list any additional requirements below in this form.</i> Complete Standard Project SWQMP
	Complete Green Streets PDP Exempt SWQMP.
<i>Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:</i>	

Step 2: Construction Storm Water BMP Checklist

Minimum Required Standard Construction Storm Water BMPs		
If you answer "Yes" to any of the questions below, your project is subject to Table 1 on the following page (Minimum Required Standard Construction Stormwater BMPs). As noted in Table 1, please select at least the minimum number of required BMPs, or as many as are feasible for your project. If no BMP is selected, an explanation must be given in the box provided. The following questions are intended to aid in determining construction BMP requirements for your project. Note: All selected BMPs below must be included on the BMP plan incorporated into the construction plan sets.		
1. Will there be soil disturbing activities that will result in exposed soil areas? (This includes minor grading and trenching.) Reference Table 1 Items A, B, D, and E Note: Soil disturbances NOT considered significant include, but are not limited to, change in use, mechanical/electrical/plumbing activities, signs, temporary trailers, interior remodeling, and minor tenant improvement.	☒ Yes	☐ No
2. Will there be asphalt paving, including patching? Reference Table 1 Items D and F	☒ Yes	☐ No
3. Will there be slurries from mortar mixing, coring, or concrete saw cutting? Reference Table 1 Items D and F	☒ Yes	☐ No
4. Will there be solid wastes from concrete demolition and removal, wall construction, or form work? Reference Table 1 Items D and F	☒ Yes	☐ No
5. Will there be stockpiling (soil, compost, asphalt, concrete, solid waste) for over 24 hours? Reference Table 1 Items D and F	☒ Yes	☐ No
6. Will there be dewatering operations? Reference Table 1 Items C and D	☐ Yes	☒ No
7. Will there be temporary on-site storage of construction materials, including mortar mix, raw landscaping and soil stabilization materials, treated lumber, rebar, and plated metal fencing materials? Reference Table 1 Items E and F	☒ Yes	☐ No
8. Will trash or solid waste product be generated from this project? Reference Table 1 Item F	☒ Yes	☐ No
9. Will construction equipment be stored on site (e.g.: fuels, oils, trucks, etc.)? Reference Table 1 Item F	☒ Yes	☐ No
10. Will Portable Sanitary Services ("Porta-potty") be used on the site? Reference Table 1 Item F	☒ Yes	☐ No

Table 1. Construction Storm Water BMP Checklist

Minimum Required Best Management Practices (BMPs)	CALTRANS SW Handbook ⁴ Detail or County Std. Detail	✓ BMP Selected	Reference sheet No.'s where each selected BMP is shown on the plans. If no BMP is selected, an explanation must be provided.
A. Select Erosion Control Method for Disturbed Slopes (choose at least one for the appropriate season)			
Vegetation Stabilization Planting ⁵ (Summer)	SS-2, SS-4	☐	
Hydraulic Stabilization Hydroseeding ² (Summer)	SS-4	☒	
Bonded Fiber Matrix or Stabilized Fiber Matrix ⁶ (Winter)	SS-3	☒	
Physical Stabilization Erosion Control Blanket ³ (Winter)	SS-7	☐	
B. Select erosion control method for disturbed flat areas (slope < 5%) (choose at least one)			
County Standard Lot Perimeter Protection Detail	PDS 659 ⁷ , SC-2	☐	
Will use erosion control measures from Item A on flat areas also	SS-3, 4, 7	☒	
County Standard Desilting Basin (must treat all site runoff)	PDS 660 ⁸ , SC-2	☐	
Mulch, straw, wood chips, soil application	SS-6, SS-8	☐	

⁴ State of California Department of Transportation (Caltrans). 2003. Storm Water Quality Handbooks, Construction Site Best Management Practices (BMPs) Manual. March. Available online at: <http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm>.

⁵ If Vegetation Stabilization (Planting or Hydroseeding) is proposed for erosion control it may be installed between May 1st and August 15th. Slope irrigation is in place and needs to be operable for slopes >3 feet. Vegetation must be watered and established prior to October 1st. The owner must implement a contingency physical BMP by August 15th if vegetation establishment does not occur by that date. If landscaping is proposed, erosion control measures must also be used while landscaping is being established. Established vegetation must have a subsurface mat of intertwined mature roots with a uniform vegetative coverage of 70 percent of the natural vegetative coverage or more on all disturbed areas.

⁶ All slopes over three feet must have established vegetative cover prior to final permit approval.

⁷ County of San Diego, Planning & Development Services. 2012. Standard Lot Perimeter Protection Design System. Building Division. PDS 659. Available online at <http://www.sandiegocounty.gov/pds/docs/pds659.pdf>.

⁸ County of San Diego, Planning & Development Services. 2012. County Standard Desilting Basin for Disturbed Areas of 1 Acre or Less Building Division. PDS 659. Available online at <http://www.sandiegocounty.gov/pds/docs/pds660.pdf>.

Table 1. Construction Storm Water BMP Checklist (continued)

Minimum Required Best Management Practices (BMPs)	CALTRANS SW Handbook Detail or County Std. Detail	✓ BMP Selected	Reference sheet No.'s where each selected BMP is shown on the plans. If no BMP is selected, an explanation must be provided.	
C. If runoff or dewatering operation is concentrated, velocity must be controlled using an energy dissipater				
Energy Dissipater Outlet Protection ⁹	SS-10	☒		
D. Select sediment control method for all disturbed areas (choose at least one)				
Silt Fence	SC-1	☒		
Fiber Rolls (Straw Wattles)	SC-5	☒		
Gravel & Sand Bags	SC-6 & 8	☐		
Dewatering Filtration	NS-2	☐		
Storm Drain Inlet Protection	SC-10	☒		
Engineered Desilting Basin (sized for 10-year flow)	SC-2	☐		
E. Select method for preventing offsite tracking of sediment (choose at least one)				
Stabilized Construction Entrance	TC-1	☒		
Construction Road Stabilization	TC-2	☐		
Entrance/Exit Tire Wash	TC-3	☐		
Entrance/Exit Inspection & Cleaning Facility	TC-1	☐		
Street Sweeping and Vacuuming	SC-7	☒		
F. Select the general site management BMPs				
F.1 Materials Management				
Material Delivery & Storage	WM-1	☒		
Spill Prevention and Control	WM-4	☒		
F.2 Waste Management¹⁰				
Waste Management Concrete Waste Management	WM-8	☒		
Solid Waste Management	WM-5	☒		
Sanitary Waste Management	WM-9	☒		
Hazardous Waste Management	WM-6	☐		

Note: The Construction General Permit (Order No. 2009-0009-DWQ) also requires all projects not subject to the BMP Design Manual to comply with runoff reduction requirements through the implementation of post-construction BMPs as described in Section XIII of the order.

⁹ Regional Standard Drawing D-40 – Rip Rap Energy Dissipater is also acceptable for velocity reduction.

¹⁰ Not all projects will have every waste identified. The applicant is responsible for identifying wastes that will be onsite and applying the appropriate BMP. For example, if concrete will be used, BMP WM-8 must be selected.

Step 3: County of San Diego PDP SWQMP Site Information Checklist

Step 3.1: Description of Existing Site Condition

Project Watershed (Complete Hydrologic Unit, Area, and Subarea Name with Numeric Identifier)	905.11 Rancho Santa Fe HSA, San Dieguito HU.
Current Status of the Site (select all that apply): ☐ Existing development ☐ Previously graded but not built out ☐ Demolition completed without new construction ☒ Agricultural or other non-impervious use ☒ Vacant, undeveloped/natural <i>Description / Additional Information:</i> Project site has a residence, driveway, accessory buildings, agricultural use and open space.	
Existing Land Cover Includes (select all that apply and provide each area on site): ☐ Vegetative Cover <u>8.26</u> Acres (<u>359,806</u> Square Feet) ☐ Non-Vegetated Pervious Areas _____ Acres (_____ Square Feet) ☐ Impervious Areas <u>0.84</u> Acres (<u>36,590</u> Square Feet) <i>Description / Additional Information:</i> The site is predominantly covered by agricultural uses but includes an open space easement.	
Underlying Soil belongs to Hydrologic Soil Group (select all that apply): ☐ NRCS Type A ☐ NRCS Type B ☐ NRCS Type C ☒ NRCS Type D	
Approximate Depth to Groundwater (GW) (or N/A if no infiltration is used): N/A ☐ GW Depth < 5 feet ☐ 5 feet < GW Depth < 10 feet ☐ 10 feet < GW Depth < 20 feet ☐ GW Depth > 20 feet	
Existing Natural Hydrologic Features (select all that apply): ☒ Watercourses ☐ Seeps ☐ Springs ☒ Wetlands ☒ None ☐ Other <i>Description / Additional Information:</i> There creek flows along the western end of the northern property line in the open space easement.	

Step 3.2: Description of Existing Site Drainage Patterns

How is storm water runoff conveyed from the site? At a minimum, this description should answer:

- (1) Whether existing drainage conveyance is natural or urban;
- (2) Is runoff from offsite conveyed through the site? if yes, quantify all offsite drainage areas, design flows, and locations where offsite flows enter the project site, and summarize how such flows are conveyed through the site;
- (3) Provide details regarding existing project site drainage conveyance network, including any existing storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels; and
- (4) Identify all discharge locations from the existing project site along with a summary of conveyance system size and capacity for each of the discharge locations. Provide summary of the pre-project drainage areas and design flows to each of the existing runoff discharge locations.

Describe existing site drainage patterns:

The existing drainage conveyance is predominantly natural.

There are approximately 0.3 acres of land southerly of the project site, within the SDCWA easement, that drain onto the project site along the southerly property line. The runoff from this area surface flow across the site to the northerly property line.

Running northerly of the site within the open space easement is a natural drainage channel or wash. The wash also crosses onto the property near its northwest corner. The project site includes a small ridge or knoll on which the existing residences are located. The ridge runs from approximately the center of the site to the southeast. The portion of the site northerly and northeasterly of the ridge slopes generally northerly towards the open space lot and the natural drainage channel. The portion of the site westerly of the ridge slopes both to the northwest towards the open space lot, and the natural drainage channel; and southwest towards the existing driveway, then down the driveway to the west and northerly into the open space area and to the wash. All runoff is conveyed by surface flows. There are no existing storm drains or lined channels on the project site.

The existing discharge locations from the project site are along the northerly property line via natural surface flow to the creek. Runoff from approximately 7.3 acres flow across the north property line. The flows are mainly sheet flows with no real defined channel. The existing earth drainage ditch along the east property line which also drains to the creek carries flows from approximately 4.3 acres of which almost all of it is off-site. And the existing paved driveway which carries flows from about 1 acre to the west towards a natural drainage along the east side of Four Gee Road.

Step 3.3: Description of Proposed Site Development*Project Description / Proposed Land Use and/or Activities:*

The proposed project will consist of the construction of a church on the site with a 1,500 seat main sanctuary. The site will include a main 43,500 square foot sanctuary building and four smaller auxiliary buildings. There will be total of approximately 90,000 square feet of buildings. Classrooms and recreation areas will be in the four detached auxiliary structures. The project will also include the construction of a parking lot to accommodate roughly 400 vehicles with overflow. There will also be outdoor patios, and walkways between the buildings as well as landscaped areas around the perimeter of the parking lot, in islands within the parking lot and between the buildings.

A 300-foot-long offsite access road will be built to serve the project connecting it to Four Gee Road. The construction of the access road will include grading and A.C. paving as well as the installation of some public utilities.

List/describe proposed impervious features of the project (e.g., buildings, roadways, parking lots, courtyards, athletic courts, other impervious features):

The approximately 2.4 acres of proposed impervious surfaces include areas of pavement, building roofs and walkways. The buildings will cover about 65,000 s.f. or 1.5 acres. The impervious concrete/ AC pavement will cover roughly 40,200 sf or 0.9 ac. Refer to the DMA Exhibit in Attachment 1 for more exact numbers and locations.

List/describe proposed pervious features of the project (e.g., landscape areas):

The open space/flowage easement that covers 0.7 acres of the site that will remain natural. There will be about 25,000 sf (0.6 ac) of bio-filtration basins, 53,800 sf (1.2ac) of Dg/Gravel parking areas, 35,000 sf (0.8 ac) of irrigated landscaping including drought tolerant planting, 59,200 sf (1.4ac) of porous paver parking areas, and 71,000 (1.6 ac) of porous AC parking area. Refer to the DMA Exhibit in Attachment 1 for more exact numbers and locations.

Does the project include grading and changes to site topography?

☒ Yes

☐ No

Description / Additional Information:

The site will be graded to provide flat areas for the building pads and to build the parking area. The north half of the project will be filled in with soils taken from the south side of the project. There will be approximately 32,000 cy of cut and fill. There should not be any import or export.

Insert acreage or square feet for the different land cover types in the table below:

Change in Land Cover Type Summary			
Land Cover Type	Existing (acres or ft ²)	Proposed (acres or ft ²)	Percent Change
Vegetation	323,216	90,500	-72%
Pervious (non-vegetated)	0	184,000	--
Impervious	36590	105,200	+188%

Step 3.4: Description of Proposed Site Drainage Patterns

Does the project include changes to site drainage (e.g., installation of new storm water conveyance systems)?

☒ Yes

☐ No

If yes, provide details regarding the proposed project site drainage conveyance network, including storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels, and the method for conveying offsite flows through or around the proposed project site. Identify all discharge locations from the proposed project site along with a summary of the conveyance system size and capacity for each of the discharge locations. Provide a summary of pre- and post-project drainage areas and design flows to each of the runoff discharge locations. Reference the drainage study for detailed calculations.

Describe proposed site drainage patterns:

The storm runoff on the site will be directed via surface flows to 18 bio-filtration planters located throughout the site. The development will also include porous pavement and concrete pavers with gravel beds and perforated pipe under drains.

The developed project will include 3 on-site storm drain systems. One system will convey storm water runoff from the easterly side of the site to an outlet in the open space area north of the site. The system will include overflow inlets from the bio-filtration planters as well as connections to the sub-drains under the bio-filtration areas and the porous pavements.

The second system will convey storm water runoff from the northwesterly side of the site to an outlet in the open space area near the northeast corner of the site. The system will include overflow inlets from the bio-filtration planters as well as connections to the sub-drains under the bio-filtration areas and the porous pavements.

The third system will convey storm water runoff from the southwesterly side of the site to an outlet and connect to the culvert under the driveway entry near Four Gee Road. The system will include overflow inlets from the bio-filtration planters as well as connections to the sub-drains under the bio-filtration areas and the porous pavements.

The drainage study prepared for the project indicates that there are four existing discharge locations for runoff from the site and running around the site.

Node A on the Hydrology Map is located at the northeast corner of the site and has a tributary area of 4.3 acres. Most of the tributary area is located off-site of the project.

Node B is located on the north middle section of the site along the open space/flowage easement and has a tributary area of 6.6 acres before development and 6.2 acres after development.

Node C is located near the northeast corner of the site along the open space/flowage easement and has a tributary area of 0.7 acres before development and 0.8 acres after development.

Node D is located at the natural drainage channel north of the culvert under the driveway near Four Gee Road and has a tributary area of 4.4 acres before development and 4.7 acres after development. 3.5 acres of the tributary area is located southerly of the project site and the runoff from it flows through the culvert without entering the project site.

The runoff from the 0.3 acres of land southerly of the project site, within the SDCWA easement, that drain onto the project site along the southerly property line will be collected in an inlet near the southeast corner and conveyed through the site by the on-site storm drain, bypassing the on-site BMPs..

See the Preliminary CEQA Drainage Study prepared for the project for more detailed calculations.

Step 3.5: Potential Pollutant Source Areas

Identify whether any of the following features, activities, and/or pollutant source areas will be present (select all that apply). Select "Other" if the project is a phased development and provide a description:

- ☒ On-site storm drain inlets
- ☐ Interior floor drains and elevator shaft sump pumps
- ☐ Interior parking garages
- ☒ Need for future indoor & structural pest control
- ☒ Landscape/Outdoor Pesticide Use
- ☐ Pools, spas, ponds, decorative fountains, and other water features
- ☐ Food service
- ☒ Refuse areas
- ☐ Industrial processes
- ☐ Outdoor storage of equipment or materials
- ☐ Vehicle and Equipment Cleaning
- ☐ Vehicle/Equipment Repair and Maintenance
- ☐ Fuel Dispensing Areas
- ☐ Loading Docks
- ☒ Fire Sprinkler Test Water
- ☐ Miscellaneous Drain or Wash Water
- ☒ Plazas, sidewalks, and parking lots
- ☐ Other (provide description)

Description / Additional Information:

The project includes 20 storm drain inlets, located primarily within the bio-filtration planters. There are five buildings proposed on the project site that will need typical indoor and outdoor pest control as part of the routine maintenance.

There are approximately 35,000 sf of irrigated landscaping that may need occasional pest control.

The project will include a trash/refuse area that will be covered and constructed such that storm runoff does not flow through it.

The five buildings will have fire sprinkler systems installed that will require testing.

There parking areas, sidewalks and plazas located throughout the site constructed of a.c. pavement, d.g., gravel, porous pavement, concrete and concrete pavers.

Step 3.6: Identification and Narrative of Receiving Water and Pollutants of Concern

Describe flow path of storm water from the project site discharge location(s), through urban storm conveyance systems as applicable, to receiving creeks, rivers, and lagoons as applicable, and ultimate discharge to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable): Once the storm water leaves the site, it immediately enters the existing wash flowing along the north side of the project. The wash is a natural drainage channel that which drains to the San Dieguito River, which in turn flows to the Pacific Ocean.			
List any 303(d) impaired water bodies¹¹ within the path of storm water from the project site to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable), identify the pollutant(s)/stressor(s) causing impairment, and identify any TMDLs and/or Highest Priority Pollutants from the WQIP for the impaired water bodies:			
303(d) Impaired Water Body	Pollutant(s)/Stressor(s)	TMDLs / WQIP Highest Priority Pollutant	
905.11 Pacific Ocean Shoreline, San Dieguito HU	Bacteria & Viruses	Bacteria	
905.11 San Dieguito River	Nutrients, Bacteria & Viruses, Toxicity, Total Dissolved Solids	Bacteria	
Identification of Project Site Pollutants* *Identification of project site pollutants below is only required if flow-thru treatment BMPs are implemented onsite in lieu of retention or biofiltration BMPs. Note the project must also participate in an alternative compliance program (unless prior lawful approval to meet earlier PDP requirements is demonstrated).			
Identify pollutants expected from the project site based on all proposed use(s) of the site (see BMP Design Manual Appendix B.6):			
Pollutant	Not Applicable to the Project Site	Anticipated from the Project Site	Also a Receiving Water Pollutant of Concern
Sediment	☐	☒	☒
Nutrients	☐	☒	☒
Heavy Metals	☐	☒	☐
Organic Compounds	☐	☐	☐
Trash & Debris	☐	☒	☐
Oxygen Demanding Substances	☐	☒	☐
Oil & Grease	☐	☒	☐
Bacteria & Viruses	☐	☐	☐
Pesticides	☐	☒	☒

¹¹ The current list of Section 303(d) impaired water bodies can be found at http://www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/#impaired

Step 3.7: Hydromodification Management Requirements

Do hydromodification management requirements apply (see Section 1.6 of the BMP Design Manual)?

- ☒ Yes, hydromodification management requirements for flow control and preservation of critical coarse sediment yield areas are applicable.
- ☐ No, the project will discharge runoff directly to existing underground storm drains discharging directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.
- ☐ No, the project will discharge runoff directly to conveyance channels whose bed and bank are concrete-lined all the way from the point of discharge to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.
- ☐ No, the project will discharge runoff directly to an area identified as appropriate for an exemption by the WMAA¹² for the watershed in which the project resides.

Description / Additional Information (to be provided if a 'No' answer has been selected above):

¹² The Watershed Management Area Analysis (WMAA) is an optional element for inclusion in the Water Quality Improvement Plans (WQIPs) described in the 2013 MS4 Permit [Provision B.3.b.(4)]. It is available online at the Project Clean Water website:
http://www.projectcleanwater.org/index.php?option=com_content&view=article&id=248

Step 3.7.1: Critical Coarse Sediment Yield Areas*

***This Section only required if hydromodification management requirements apply**

Projects must satisfy critical coarse sediment yield area (CCSYA) requirements by characterizing the project as one of the scenario-types presented below and satisfying associated criteria. Projects must appropriately satisfy all requirements for identification, avoidance, and bypass, OR may alternatively elect to demonstrate no net impact.

☐ **Scenario 1:** Project is subject to and in compliance with RPO requirements *(without utilization of RPO exemptions 86.604(e)(2)(cc) or 86.604(e)(3) that result in impacts to more than 15% of the project-scale CCSYAs).*

☐ Identify: Project has identified both onsite and upstream CCSYAs as areas that are coarse, $\geq 25\%$ slope, and $\geq 50'$ tall. *(Optional refinement methods may be performed per guidance in Section H.1.2).* AND,

☐ Avoid: Project has avoided onsite CCSYAs per existing RPO steep slope encroachment criteria. AND,

☐ Bypass: Project has demonstrated that both onsite and upstream CCSYAs are bypassed through or around the project site with a 2 year peak storm velocity of 3 feet per second or greater. OR,

☐ No Net Impact: Project does not satisfy all Scenario 1 criteria above and must alternatively demonstrate no net impact to the receiving water.

☒ **Scenario 2:** Project is entirely exempt/not subject to RPO requirements without utilization of RPO exemptions 86.604(e)(2)(cc) or 86.604(e)(3).

☒ Identify: Project has identified upstream CCSYAs that are coarse, $\geq 25\%$ slope, and $\geq 50'$ tall. *(Optional refinement methods may be performed per guidance in Section H.1.2).* AND,

☒ Avoid: Project is not required to avoid onsite CCSYAs as none were identified in the previous step. AND,

☒ Bypass: Project has demonstrated that upstream CCSYAs are bypassed through or around the project site with a 2 year peak storm velocity of 3 feet per second or greater. OR,

☐ No Net Impact: Project does not satisfy all Scenario 2 criteria above and must alternatively demonstrate no net impact to the receiving water. *(Skip to next row).*

☐ **Scenario 3:** Project utilizes exemption(s) via RPO Section 86.604(e)(2)(cc) or 86.604(e)(3) and impacts more than 15% of the project-scale CCSYAs.

☐ No Net Impact: Project is not eligible for traditional methods of identification, avoidance, and bypass. Project must demonstrate no net impact to the receiving water.

Critical Coarse Sediment Yield Areas Continued
Demonstrate No Net Impact
If the project elects to satisfy CCSYA criteria through demonstration of no net impact to the receiving water. Applicants must identify the methods utilized from the list below and provide supporting documentation in Attachment 2c of the SWQMP. Check all that are applicable. ☒ N/A, the project appropriately identifies, avoids, and bypasses CCSYAs. ☐ Project has performed additional analysis to demonstrate that impacts to CCSYAs satisfy the no net impact standard of $Ep/Sp \leq 1.1$. ☐ Project has provided alternate mapping of CCSYAs. ☐ Project has implemented additional onsite hydromodification flow control measures. ☐ Project has implemented an offsite stream rehabilitation project to offset impacts. ☐ Project has implemented other applicant-proposed mitigation measures.

Step 3.7.2: Flow Control for Post-Project Runoff*

*This Section only required if hydromodification management requirements apply
<i>List and describe point(s) of compliance (POCs) for flow control for hydromodification management (see Section 6.3.1). For each POC, provide a POC identification name or number correlating to the project's HMP Exhibit and a receiving channel identification name or number correlating to the project's HMP Exhibit.</i> Node A – Northeast corner of site. Flows to existing creek/wash. Node B – Middle of north side of project. Flows to existing creek/wash. Node C – Northwest corner of project. Flows to existing creek/wash. Node D – Driveway entrance culvert. Flows to existing creek/wash.
Has a geomorphic assessment been performed for the receiving channel(s)? ☒ No, the low flow threshold is 0.1Q2 (default low flow threshold) ☐ Yes, the result is the low flow threshold is 0.1Q2 ☐ Yes, the result is the low flow threshold is 0.3Q2 ☐ Yes, the result is the low flow threshold is 0.5Q2 <i>If a geomorphic assessment has been performed, provide title, date, and preparer:</i> <i>Discussion / Additional Information: (optional)</i>

Step 3.8: Other Site Requirements and Constraints

When applicable, list other site requirements or constraints that will influence storm water management design, such as zoning requirements including setbacks and open space, or local codes governing minimum street width, sidewalk construction, allowable pavement types, and drainage requirements.

Project soils are clay and will not support infiltration.

Optional Additional Information or Continuation of Previous Sections As Needed

This space provided for additional information or continuation of information from previous sections as needed.

Step 4: Source Control BMP Checklist

Source Control BMPs			
All development projects must implement source control BMPs 4.2.1 through 4.2.6 where applicable and feasible. See Chapter 4.2 and Appendix E of the County BMP Design Manual for information to implement source control BMPs shown in this checklist.			
Answer each category below pursuant to the following:			
• "Yes" means the project will implement the source control BMP as described in Chapter 4.2 and/or Appendix E of the County BMP Design Manual. Discussion / justification is not required. • "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided. • "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project has no outdoor materials storage areas). Discussion / justification must be provided.			
Source Control Requirement	Applied?		
4.2.1 Prevention of Illicit Discharges into the MS4	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.2.1 not implemented:</i>			
4.2.2 Storm Drain Stenciling or Signage	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.2.2 not implemented:</i>			
4.2.3 Protect Outdoor Materials Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☒ N/A
<i>Discussion / justification if 4.2.3 not implemented:</i> There are no planned outdoor materials storage areas.			
4.2.4 Protect Materials Stored in Outdoor Work Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☒ N/A
<i>Discussion / justification if 4.2.4 not implemented:</i> There are no planned outdoor materials storage areas.			

Source Control Requirement	Applied?		
4.2.5 Protect Trash Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.2.5 not implemented:</i>			
4.2.6 Additional BMPs Based on Potential Sources of Runoff Pollutants (must answer for each source listed below):			
☐ A. On-site storm drain inlets	☒ Yes	☐ No	☐ N/A
☐ B. Interior floor drains and elevator shaft sump pumps	☒ Yes	☐ No	☐ N/A
☐ C. Interior parking garages	☐ Yes	☐ No	☒ N/A
☐ D. Need for future indoor & structural pest control	☒ Yes	☐ No	☐ N/A
☐ E. Landscape/outdoor pesticide use	☒ Yes	☐ No	☐ N/A
☐ F. Pools, spas, ponds, fountains, and other water features	☐ Yes	☐ No	☒ N/A
☐ G. Food service	☐ Yes	☐ No	☒ N/A
☐ H. Refuse areas	☒ Yes	☐ No	☐ N/A
☐ I. Industrial processes	☐ Yes	☐ No	☒ N/A
☐ J. Outdoor storage of equipment or materials	☐ Yes	☐ No	☒ N/A
☐ K. Vehicle and equipment cleaning	☐ Yes	☐ No	☒ N/A
☐ L. Vehicle/equipment repair and maintenance	☐ Yes	☐ No	☒ N/A
☐ M. Fuel dispensing areas	☐ Yes	☐ No	☒ N/A
☐ N. Loading docks	☐ Yes	☐ No	☒ N/A
☐ O. Fire sprinkler test water	☒ Yes	☐ No	☐ N/A
☐ P. Miscellaneous drain or wash water	☐ Yes	☐ No	☒ N/A
☐ Q. Plazas, sidewalks, and parking lots	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.2.6 not implemented. Clearly identify which sources of runoff pollutants are discussed. Justification must be provided for <u>all</u> "No" answers shown above. The project does not include interior parking garages, water features, food service, industrial processes, outdoor storage, vehicle cleaning or repair, fuel dispensing, loading docks, or miscellaneous wash water.</i>			

Note: Show all source control measures described above that are included in design capture volume calculations in the plan sheets of Attachment 5.

Step 5: Site Design BMP Checklist

Site Design BMPs
All development projects must implement site design BMPs SD-A through SD-H where applicable and feasible. See Chapter 4.3 and Appendix E of the County BMP Design Manual for information to implement site design BMPs shown in this checklist. Answer each category below pursuant to the following: • "Yes" means the project will implement the site design BMP as described in Chapter 4.3 and/or Appendix E of the County BMP Design Manual. Discussion / justification is not required. • "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided. • "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project site has no existing natural areas to conserve). Discussion / justification must be provided.

Site Design Requirement	Applied?		
4.3.1 Maintain Natural Drainage Pathways and Hydrologic Features	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.3.1 not implemented:</i> Existing flowage and open space easement will protect existing creek/wash.			
4.3.2 Conserve Natural Areas, Soils, and Vegetation	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.3.2 not implemented:</i> Areas within the open space and flowage easement will remain untouched. The remainder of the site as been extensively used for agriculture.			
4.3.3 Minimize Impervious Area	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.3.3 not implemented:</i> Permeable pavement, pavers, d.g., and gravel are being used in the parking areas to reduce impervious areas.			
4.3.4 Minimize Soil Compaction	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.3.4 not implemented:</i> Areas within the open space and flowage easement will remain untouched.			
4.3.5 Impervious Area Dispersion	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.3.5 not implemented:</i> Roof drains and runoff from other impervious surfaces will be directed to bio-filtration planters.			

Site Design Requirement	Applied?		
4.3.6 Runoff Collection	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.3.6 not implemented:</i> Permeable pavement is being utilized.			
4.3.7 Landscaping with Native or Drought Tolerant Species	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.3.7 not implemented:</i>			
4.3.8 Harvesting and Using Precipitation	☒ Yes	☐ No	☐ N/A
<i>Discussion / justification if 4.3.8 not implemented:</i> Biofiltration with cisterns is being implemented on the project site.			

Note: Show all site design measures described above that are included in design capture volume calculations in the plan sheets of Attachment 5.

Step 6: PDP Structural BMPs

All PDPs must implement structural BMPs for storm water pollutant control (see Chapter 5 of the BMP Design Manual). Selection of PDP structural BMPs for storm water pollutant control must be based on the selection process described in Chapter 5. PDPs subject to hydromodification management requirements must also implement structural BMPs for flow control for hydromodification management (see Chapter 6 of the BMP Design Manual). Both storm water pollutant control and flow control for hydromodification management can be achieved within the same structural BMP(s).

PDP structural BMPs must be verified by the County at the completion of construction. This may include requiring the project owner or project owner's representative and engineer of record to certify construction of the structural BMPs (see Section 1.12 of the BMP Design Manual). PDP structural BMPs must be maintained into perpetuity, and the County must confirm the maintenance (see Section 7 of the BMP Design Manual).

Use this section to provide narrative description of the general strategy for structural BMP implementation at the project site in the box below. Then complete the PDP structural BMP summary information sheet (Step 6.2) for each structural BMP within the project (copy the BMP summary information sheet [Step 6.2] as many times as needed to provide summary information for each individual structural BMP).

Step 6.1: Description of structural BMP strategy

Describe the general strategy for structural BMP implementation at the site. This information must describe how the steps for selecting and designing storm water pollutant control BMPs presented in Section 5.1 of the BMP Design Manual were followed, and the results (type of BMPs selected). For projects requiring hydromodification flow control BMPs, indicate whether pollutant control and flow control BMPs are integrated or separate. At the end of this discussion provide a summary of all the structural BMPs within the project including the type and number.

For each of the 4 basins DMA's that were determined to be self-retaining or self treating were identified. These are primarily small landscaped areas that can be recessed enough to contain the 2 year storm event. Typically they are small landscape islands in the parking lot.

The project site is not feasible for Harvest and Use as there is not enough landscaping or other uses to use the stored runoff in a 36 hour period. The site is also not suitable for infiltration due to the clay soils. Therefore, the runoff from the remaining DMA's is directed to bio-filtration BMPs for treatment of the DCV.

Description of structural BMP strategy continued
(Page reserved for continuation of description of general strategy for structural BMP implementation at the site)

(Continued from previous page)

Step 6.2: Structural BMP Checklist

(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. IMP 201	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
Discussion (as needed):	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 204	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	A qualified person will be determined during final engineering.
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 205	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 206	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 207	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 208	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 209	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 210	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 211	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 212	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 213	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 214	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1
<i>Discussion (as needed):</i>	

<i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 215	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1

Discussion (as needed):	
(Continue on subsequent pages as necessary)	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 216	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1

Discussion (as needed):	
(Continue on subsequent pages as necessary)	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 217	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1

Discussion (as needed):	
(Continue on subsequent pages as necessary)	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 218	
Construction Plan Sheet No.	
Type of structural BMP: ☒ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1

<i>Discussion (as needed):</i> <i>(Continue on subsequent pages as necessary)</i>	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 219	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1

Discussion (as needed):	
(Continue on subsequent pages as necessary)	
(Copy this page as needed to provide information for each individual proposed structural BMP)	
Structural BMP ID No. 220	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☒ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms (See Section 1.12 of the BMP Design Manual)	Property Owner
Who will be the final owner of this BMP?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
Who will maintain this BMP into perpetuity?	☐ HOA ☒ Property Owner ☐ County ☐ Other (describe)
What Category (1-4) is the Structural BMP? Refer to the Category definitions in Section 7.3 of the BMP DM. Attach the appropriate maintenance agreement in Attachment 3.	Category 1

Discussion (as needed):

(Continue on subsequent pages as necessary)

Step 6.3: Offsite Alternative Compliance Participation Form

PDP INFORMATION	
Record ID:	N/A
Assessor's Parcel Number(s) [APN(s)]	
What are your PDP Pollutant Control Debits? *See Attachment 1 of the PDP SWQMP	
What are your PDP HMP Debits? (if applicable) *See Attachment 2 of the PDP SWQMP	
ACP Information	
Record ID:	
Assessor's Parcel Number(s) [APN(s)]	
Project Owner/Address	
What are your ACP Pollutant Control Credits? *See Attachment 1 of the ACP SWQMP	
What are your ACP HMP Debits? (if applicable) *See Attachment 2 of the ACP SWQMP	
Is your ACP in the same watershed as your PDP? ☐ Yes ☐ No	Will your ACP project be completed prior to the completion of the PDP? ☐ Yes ☐ No
Does your ACP account for all Deficits generated by the PDP? ☐ Yes ☐ No (PDP and/or ACP must be redesigned to account for all deficits generated by the PDP.	What is the difference between your PDP debits and ACP Credits? *(ACP Credits - Total PDP Debits = Total Earned Credits)

ATTACHMENT 1

BACKUP FOR PDP POLLUTANT CONTROL BMPS

This is the cover sheet for Attachment 1.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 1a	Storm Water Pollutant Control Worksheet Calculations -Worksheet B.3-1 (Required) -Worksheet B.1-1 (Required) -Worksheet B.4-1 (if applicable) -Worksheet B.4-2 (if applicable) -Worksheet B.5-1 (if applicable) -Worksheet B.5-2 (if applicable) -Worksheet B.5-3 (if applicable) -Worksheet B.6-1 (if applicable) -Summary Worksheet (optional)	☒ Included
Attachment 1b	Form I-8, Categorization of Infiltration Feasibility Condition (Required unless the project will use harvest and use BMPs) Refer to Appendices C and D of the BMP Design Manual to complete Form I-8.	☒ Included ☐ Not included because the entire project will use harvest and use BMPs
Attachment 1c	DMA Exhibit (Required) See DMA Exhibit Checklist on the back of this Attachment cover sheet.	☒ Included
Attachment 1d	Individual Structural BMP DMA Mapbook (Required) -Place each map on 8.5"x11" paper. -Show at a minimum the DMA, Structural BMP, and any existing hydrologic features within the DMA.	☐ Included

Use this checklist to ensure the required information has been included on the DMA Exhibit:

The DMA Exhibit must identify:

- ☒ Underlying hydrologic soil group
- ☒ Approximate depth to groundwater
- ☒ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☒ Critical coarse sediment yield areas to be protected
- ☒ Existing topography and impervious areas
- ☒ Existing and proposed site drainage network and connections to drainage offsite
- ☒ Proposed demolition
- ☒ Proposed grading
- ☒ Proposed impervious features
- ☒ Proposed design features and surface treatments used to minimize imperviousness
- ☒ Drainage management area (DMA) boundaries, DMA ID numbers, and DMA areas (square footage or acreage), and DMA type (i.e., drains to BMP, self-retaining, or self-mitigating)
- ☒ Potential pollutant source areas and corresponding required source controls (see Chapter 4, Appendix E.1, and Step 3.5)
- ☒ Structural BMPs (identify location, structural BMP ID#, type of BMP, and size/detail)

Automated Worksheet B.3-1: Project-Scale BMP Feasibility Analysis (V1.1)

Category	#	Description	Value	Units
Capture & Use Inputs	0	Design Capture Volume for Entire Project Site	5,799	cubic-feet
	1	Proposed Development Type	Residential	unitless
	2	Number of Residents or Employees at Proposed Development	10	#
	3	Total Planted Area within Development	90,500	sq-ft
Infiltration Inputs	4	Water Use Category for Proposed Planted Areas	Low	unitless
	5	Is Average Site Infiltration Rate Less than 0.5 Inches per Hour?	Yes	yes/no
	6	Is Retention of the Full DCV Anticipated to Produce Negative Impacts?	Yes	yes/no
	7	Is Retention of Any Volume Anticipated to Produce Negative Impacts?	Yes	yes/no
Calculations	8	36-Hour Toilet Use Per Resident or Employee	0.37	cubic-feet
	9	Subtotal: Anticipated 36 Hour Toilet Use	4	cubic-feet
	10	Anticipated 1 Acre Landscape Use Over 36 Hours	52.14	cubic-feet
	11	Subtotal: Anticipated Landscape Use Over 36 Hours	108	cubic-feet
	12	Total Anticipated Use Over 36 Hours	112	cubic-feet
	13	Total Anticipated Use / Design Capture Volume	0.02	cubic-feet
	14	Are Full Capture and Use Techniques Feasible for this Project?	No	unitless
	15	Is Full Retention Feasible for this Project?	No	yes/no
Result	16	Is Partial Retention Feasible for this Project?	No	yes/no
	17	Feasibility Category	5	1, 2, 3, 4, 5

Worksheet B.3-1 General Notes:

A. Applicants may use this optional worksheet to gauge the feasibility of implementing capture and use techniques on their project site. User input should be provided for yellow shaded cells, values for all other cells will be automatically generated. Projects demonstrating feasibility or potential feasibility via this worksheet are encouraged to incorporate capture and use features in their project.

BASIN 2

Automated Worksheet B.1-1: Calculation of Design Capture Volume (V1.1)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
Standard Drainage Basin Inputs	0	Drainage Basin ID or Name	201	204	205	206	207	208	209	210	211	212	unitless
	1	Basin Drains to the Following BMP Type											unitless
	2	85th Percentile 24-hr Storm Depth	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	inches
	3	Impervious Surfaces Not Directed to Dispersion Area (C=0.90)	3,016	24,267	9,238	4,181	2,656	0	776	30,567	14,066	3,550	sq-ft
	4	Semi-Pervious Surfaces Not Serving as Dispersion Area (C=0.30)	0	5,909	0	2,555	0	0	2,037	19,358	2,172	0	sq-ft
	5	Engineered Pervious Surfaces Not Serving as Dispersion Area (C=0.10)	6,622	47,407	17,039	15,472	738	10,630	4,065	0	156	6,811	sq-ft
	6	Natural Type A Soil Not Serving as Dispersion Area (C=0.10)											sq-ft
	7	Natural Type B Soil Not Serving as Dispersion Area (C=0.14)											sq-ft
	8	Natural Type C Soil Not Serving as Dispersion Area (C=0.23)											sq-ft
Dispersion, Tree Well, & Rain Barrel Inputs (Optional)	9	Natural Type D Soil Not Serving as Dispersion Area (C=0.30)											sq-ft
	10	Does Tributary Incorporate Dispersion, Tree Wells, and/or Rain Barrels?	No	No	No	No	No	No	No	No	No	No	yes/no
	11	Impervious Surfaces Directed to Dispersion Area per SD-B (G=0.90)											sq-ft
	12	Semi-Pervious Surfaces Serving as Dispersion Area per SD-B (G=0.30)											sq-ft
	13	Engineered Pervious Surfaces Serving as Dispersion Area per SD-B (G=0.10)											sq-ft
	14	Natural Type A Soil Serving as Dispersion Area per SD-B (G=0.10)											sq-ft
	15	Natural Type B Soil Serving as Dispersion Area per SD-B (G=0.14)											sq-ft
	16	Natural Type C Soil Serving as Dispersion Area per SD-B (G=0.23)											sq-ft
	17	Natural Type D Soil Serving as Dispersion Area per SD-B (G=0.30)											sq-ft
	18	Number of Tree Wells Proposed per SD-A											#
Final Adjusted Runoff Factor Calculations	19	Average Mature Tree Canopy Diameter											ft
	20	Number of Rain Barrels Proposed per SD-E											#
	21	Average Rain Barrel Size											gal
	22	Total Area Tributary to BMP	9,638	77,583	26,277	22,208	3,394	10,630	6,878	49,925	16,394	10,361	sq-ft
	23	Composite Runoff Factor for Standard Drainage Areas	0.35	0.37	0.38	0.27	0.73	0.10	0.25	0.67	0.81	0.37	unitless
	24	Initial Composite Runoff Factor for Dispersed & Dispersion Areas	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	unitless
	25	Total Impervious Area Dispersed to Pervious Surface	0	0	0	0	0	0	0	0	0	0	sq-ft
	26	Total Pervious Dispersion Area	0	0	0	0	0	0	0	0	0	0	sq-ft
	27	Dispersed Impervious Area / Pervious Dispersion Area	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ratio
	28	Adjustment Factor for Dispersed & Dispersion Areas	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	ratio
Volume Reduction Calculations	29	Final Adjusted Tributary Runoff Factor	0.35	0.37	0.38	0.27	0.73	0.10	0.25	0.67	0.81	0.37	unitless
	30	Final Effective Tributary Area	3,373	28,706	9,985	5,996	2,478	1,063	1,720	33,450	13,279	3,834	sq-ft
	31	Initial Design Capture Volume	188	1,603	557	335	138	59	96	1,868	741	214	cubic-feet
	32	Volume Reduction per Tree Well	0	0	0	0	0	0	0	0	0	0	cubic-feet
	33	Total Tree Well Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
Result	34	Total Rain Barrel Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
	35	Design Capture Volume Tributary to BMP	188	1,603	557	335	138	59	96	1,868	741	214	cubic-feet

Worksheet B.1-1 General Notes:

- Applicants may use this worksheet to calculate design capture volumes for up to 10 drainage areas. User input must be provided for yellow shaded cells, values for all other cells will be automatically generated, errors/notifications will be highlighted in red and summarized below. Upon completion of this worksheet, proceed to the appropriate BMP Sizing worksheet(s).
- Impervious surfaces include roofs, concrete, asphalt, or pervious pavements with an impervious liner. Semi-pervious surfaces include decomposed granite, cobbles, crushed aggregate, or compacted soils such as unpaved parking. Engineered pervious surfaces include pervious pavements providing full retention of the 85th percentile rainfall depth, or areas with soils that have been amended and mulched per Section 86.709 of the Landscape Ordinance. Dispersion areas are pervious or semi-pervious surfaces that receive runoff from impervious surfaces (C=0.90) and reduce stormwater runoff as outlined in Fact Sheet SD-B.

Automated Worksheet B.5-1: Sizing Biofiltration BMPs (V1.1)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
BMP Inputs	0	Drainage Basin ID or Name	201	204	205	206	207	208	209	210	211	212	unitless
	1	Effective Tributary Area	3,373	28,706	9,985	5,996	2,478	1,063	1,720	33,450	13,279	3,834	sq-ft
	2	Minimum Biofiltration Footprint Sizing Factor	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	ratio
	3	Design Capture Volume Tributary to BMP	188	1,603	557	335	138	59	96	1,868	741	214	cubic-feet
	4	Provided Biofiltration Surface Area	479	6,648	1,925	811	395	426	287	5,811	2,019	663	sq-ft
	5	Provided Surface Ponding Depth	10	6	10	10	10	10	10	4	10	10	inches
	6	Provided Soil Media Thickness	24	24	24	24	24	24	24	24	24	24	inches
Biofiltration Calculations	7	Provided Gravel Storage Thickness	18	18	18	18	18	18	18	18	18	18	inches
	8	Hydromodification Orifice Diameter of Underdrain	0.30	0.90	0.60	0.40	0.30	0.30	0.30	0.70	0.60	0.40	inches
	9	Max Hydromod Flow Rate through Underdrain	0.005	0.042	0.020	0.009	0.005	0.005	0.005	0.025	0.020	0.009	CFS
	10	Max Soil Filtration Rate Allowed by Underdrain Orifice	0.44	0.28	0.44	0.47	0.54	0.50	0.74	0.19	0.42	0.57	in/hr
	11	Soil Media Filtration Rate	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	in/hr
	12	Soil Media Filtration Rate to be used for Sizing	0.44	0.28	0.44	0.47	0.54	0.50	0.74	0.19	0.42	0.57	in/hr
	13	Depth Biofiltered Over 6 Hour Storm	2.66	1.65	2.64	2.79	3.22	2.99	4.44	1.12	2.52	3.41	inches
	14	Soil Media Pore Space	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	unitless
	15	Gravel Pore Space	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	16	Effective Depth of Biofiltration Storage	24.4	20.4	24.4	24.4	24.4	24.4	24.4	18.4	24.4	24.4	inches
	17	Drawdown Time for Surface Ponding	23	22	23	22	19	20	14	21	24	18	hours
	18	Drawdown Time for Entire Biofiltration Basin	55	74	55	52	45	49	33	99	58	43	hours
	19	Total Depth Biofiltered	27.06	22.05	27.04	27.19	27.62	27.39	28.84	19.52	26.92	27.81	inches
Result	20	Option 1 - Biofilter 1.50 DCV: Target Volume	282	2,405	836	503	207	89	144	2,802	1,112	321	cubic-feet
	21	Option 1 - Provided Biofiltration Volume	282	2,405	836	503	207	89	144	2,802	1,112	321	cubic-feet
	22	Option 2 - Store 0.75 DCV: Target Volume	141	1,202	418	251	104	44	72	1,401	556	161	cubic-feet
	23	Option 2 - Provided Storage Volume	141	1,202	418	251	104	44	72	1,401	556	161	cubic-feet
	24	Percentage of Performance Requirement Satisfied	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	ratio
	25	Deficit of Effectively Treated Stormwater	0	0	0	0	0	0	0	0	0	0	cubic-feet

Worksheet B.5-1 General Notes:
A. Applicants may use this worksheet to size Lined Biofiltration BMPs (BF-1) for up to 10 basins. User input must be provided for yellow shaded cells, values for blue cells are automatically populated based on user inputs from previous worksheets, values for all other cells will be automatically generated, errors/notifications will be highlighted in red and summarized below. BMPs fully satisfying the pollutant control performance standards will have a deficit treated volume of zero and be highlighted in green.

Summary of Stormwater Pollutant Control Calculations (V1.1)

Category	Description	i	ii	iii	iv	v	vi	vii	viii	ix	Units
Drainage Basin Inputs	Drainage Basin ID or Name	201	204	205	206	207	208	209	210	211	unitless
	Total Area Tributary to BMP	9,638	77,583	26,277	22,208	3,394	10,630	6,878	49,925	16,394	sq-ft
	Composite Runoff Factor for Standard Drainage Areas	0.35	0.37	0.38	0.27	0.73	0.10	0.25	0.67	0.81	unitless
	85th Percentile 24-hr Storm Depth	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	inches
	Initial Design Capture Volume	188	1,603	557	335	138	59	96	1,868	741	cubic-feet
Volume Reductions	Final Adjusted Tributary Runoff Factor	0.35	0.37	0.38	0.27	0.73	0.10	0.25	0.67	0.81	unitless
	Final Effective Tributary Area	3,373	28,706	9,985	5,996	2,478	1,063	1,720	33,450	13,279	sq-ft
	Tree Wall and Rain Barrel Reductions	0	0	0	0	0	0	0	0	0	cubic-feet
	Design Capture Volume Tributary to BMP	188	1,603	557	335	138	59	96	1,868	741	cubic-feet
	Basin Drains to the Following BMP Type	Biofiltration	Biofiltration	Biofiltration	Biofiltration	Biofiltration	Biofiltration	Biofiltration	Biofiltration	Biofiltration	unitless
BMP Sizing	Deficit of Effectively Treated Stormwater	0	0	0	0	0	0	0	0	0	cubic-feet

Summary Notes:

All fields in this summary worksheet are populated based on previous user inputs. Drainage basins achieving full compliance with performance requirements for onsite pollutant control are highlighted in green. Drainage basins not achieving full compliance are highlighted in red and summarized below. Please note that drainage areas using De Minimis, Self-Mitigating, and/or Self-Retaining classifications may be required to provide additional supporting information.

-Congratulations, all specified drainage basins and BMPs are in compliance with stormwater pollutant control requirements. Include 11x17 color prints of this summary sheet and supporting worksheet calculations as part of the SWQMP submittal package.

Automated Worksheet B.3-1: Project-Scale BMP Feasibility Analysis (V1.1)

Category	#	Description	Value	Units
Capture & Use Inputs	0	Design Capture Volume for Entire Project Site	666	cubic-feet
	1	Proposed Development Type	Schools	unitless
	2	Number of Residents or Employees at Proposed Development	10	#
	3	Total Planted Area within Development	90,500	sq-ft
Infiltration Inputs	4	Water Use Category for Proposed Planted Areas	Low	unitless
	5	Is Average Site Infiltration Rate Less than 0.5 Inches per Hour?	Yes	yes/no
	6	Is Retention of the Full DCV Anticipated to Produce Negative Impacts?	Yes	yes/no
	7	Is Retention of Any Volume Anticipated to Produce Negative Impacts?	Yes	yes/no
Calculations	8	36-Hour Toilet Use Per Resident or Employee	1.33	cubic-feet
	9	Subtotal: Anticipated 36 Hour Toilet Use	13	cubic-feet
	10	Anticipated 1 Acre Landscape Use Over 36 Hours	52.14	cubic-feet
	11	Subtotal: Anticipated Landscape Use Over 36 Hours	108	cubic-feet
	12	Total Anticipated Use Over 36 Hours	122	cubic-feet
	13	Total Anticipated Use / Design Capture Volume	0.18	cubic-feet
	14	Are Full Capture and Use Techniques Feasible for this Project?	No	unitless
	15	Is Full Retention Feasible for this Project?	No	yes/no
Result	16	Is Partial Retention Feasible for this Project?	No	yes/no
	17	Feasibility Category	5	1, 2, 3, 4, 5

Worksheet B.3-1 General Notes:

A. Applicants may use this optional worksheet to gauge the feasibility of implementing capture and use techniques on their project site. User input should be provided for yellow shaded cells, values for all other cells will be automatically generated. Projects demonstrating feasibility or potential feasibility via this worksheet are encouraged to incorporate capture and use features in their project.

BASIN 3

Automated Worksheet B.1-1: Calculation of Design Capture Volume (V1.1)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
Standard Drainage Basin Inputs	0	Drainage Basin ID or Name	213	214	215								unitless
	1	Basin Drains to the Following BMP Type	Biofiltration	Biofiltration									unitless
	2	85th Percentile 24-hr Storm Depth	0.67	0.67	0.67								inches
	3	Impervious Surfaces Not Directed to Dispersion Area (C=0.90)	6,074	3,419	704								sq-ft
	4	Semi-Pervious Surfaces Not Serving as Dispersion Area (C=0.30)	2,470	1,131	0								sq-ft
	5	Engineered Pervious Surfaces Not Serving as Dispersion Area (C=0.10)	0	12,447	4,572								sq-ft
	6	Natural Type A Soil Not Serving as Dispersion Area (C=0.10)											sq-ft
	7	Natural Type B Soil Not Serving as Dispersion Area (C=0.14)											sq-ft
	8	Natural Type C Soil Not Serving as Dispersion Area (C=0.23)											sq-ft
Dispersion, Tree Well, & Rain Barrel Inputs (Optional)	9	Natural Type D Soil Not Serving as Dispersion Area (C=0.30)											sq-ft
	10	Does Tributary Incorporate Dispersion, Tree Wells, and/or Rain Barrels?	No	No	No	No	No	No	No	No	No	No	yes/no
	11	Impervious Surfaces Directed to Dispersion Area per SD-B (Gi=0.90)											sq-ft
	12	Semi-Pervious Surfaces Serving as Dispersion Area per SD-B (Gi=0.30)											sq-ft
	13	Engineered Pervious Surfaces Serving as Dispersion Area per SD-B (Gi=0.10)											sq-ft
	14	Natural Type A Soil Serving as Dispersion Area per SD-B (Gi=0.10)											sq-ft
	15	Natural Type B Soil Serving as Dispersion Area per SD-B (Gi=0.14)											sq-ft
	16	Natural Type C Soil Serving as Dispersion Area per SD-B (Gi=0.23)											sq-ft
	17	Natural Type D Soil Serving as Dispersion Area per SD-B (Gi=0.30)											sq-ft
	18	Number of Tree Wells Proposed per SD-A											#
	19	Average Mature Tree Canopy Diameter											ft
	20	Number of Rain Barrels Proposed per SD-E											#
	21	Average Rain Barrel Size											gal
	22	Total Area Tributary to BMP	8,544	16,997	5,276	0	0	0	0	0	0	0	sq-ft
Final Adjusted Runoff Factor Calculations	23	Composite Runoff Factor for Standard Drainage Areas	0.73	0.27	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	24	Initial Composite Runoff Factor for Dispersed & Dispersion Areas	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	unitless
	25	Total Impervious Area Dispersed to Pervious Surface	0	0	0	0	0	0	0	0	0	0	sq-ft
	26	Total Pervious Dispersion Area	0	0	0	0	0	0	0	0	0	0	sq-ft
	27	Dispersed Impervious Area / Pervious Dispersion Area	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ratio
	28	Adjustment Factor for Dispersed & Dispersion Areas	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	ratio
Volume Reduction Calculations	29	Final Adjusted Tributary Runoff Factor	0.73	0.27	0.21	n/a	n/a	n/a	n/a	n/a	n/a	n/a	unitless
	30	Final Ineffective Tributary Area	6,237	4,589	1,108	0	0	0	0	0	0	0	sq-ft
	31	Initial Design Capture Volume	348	256	62	0	0	0	0	0	0	0	cubic-feet
	32	Volume Reduction per Tree Well	0	0	0	0	0	0	0	0	0	0	cubic-feet
	33	Total Tree Well Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
	34	Total Rain Barrel Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
Result	35	Design Capture Volume Tributary to BMP	348	256	62	0	0	0	0	0	0	0	cubic-feet

Worksheet B.1-1 General Notes:

- A. Applicants may use this worksheet to calculate design capture volumes for up to 10 drainage areas. User input must be provided for yellow shaded cells, values for all other cells will be automatically generated, errors/notifications will be highlighted in red and summarized below. Upon completion of this worksheet, proceed to the appropriate BMP Sizing worksheet(s).
- B. Impervious surfaces include roofs, concrete, asphalt, or pervious pavements with an impervious liner. Semi-pervious surfaces include decomposed granite, cobbles, crushed aggregate, or compacted soils such as unpaved parking. Engineered pervious surfaces include pervious pavements providing full retention of the 85th percentile rainfall depth, or areas with soils that have been amended and mulched per Section 86.709 of the Landscape Ordinance. Dispersion areas are pervious or semi-pervious surfaces that receive runoff from impervious surfaces (C=0.90) and reduce stormwater runoff as outlined in Fact Sheet SD-B.

Automated Worksheet B.5-1: Sizing Biofiltration BMPs (V1.1)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
BMP Inputs	0	Drainage Basin ID or Name	213	214	215	-	-	-	-	-	-	-	unless
	1	Effective Tributary Area	6,237	4,589	1,108	-	-	-	-	-	-	-	sq-ft
	2	Minimum Biofiltration Footprint Sizing Factor	0.030	0.030	0.030	-	-	-	-	-	-	-	ratio
	3	Design Capture Volume Tributary to BMP	348	256	62	-	-	-	-	-	-	-	cubic-feet
	4	Provided Biofiltration Surface Area	1,968	636	311	-	-	-	-	-	-	-	sq-ft
	5	Provided Surface Ponding Depth	6	6	6	-	-	-	-	-	-	-	inches
	6	Provided Soil Media Thickness	24	24	24	-	-	-	-	-	-	-	inches
Biofiltration Calculations	7	Provided Gravel Storage Thickness	18	18	18	-	-	-	-	-	-	-	inches
	8	Hydromodification Orifice Diameter of Underdrain	0.50	0.40	0.30	-	-	-	-	-	-	-	inches
	9	Max Hydromod Flow Rate through Underdrain	0.013	0.008	0.005	n/a	n/a	n/a	n/a	n/a	n/a	n/a	CFS
	10	Max Soil Filtration Rate Allowed by Underdrain Orifice	0.29	0.57	0.66	n/a	n/a	n/a	n/a	n/a	n/a	n/a	in/hr
	11	Soil Media Filtration Rate	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	in/hr
	12	Soil Media Filtration Rate to be used for Sizing	0.29	0.57	0.66	5.00	5.00	5.00	5.00	5.00	5.00	5.00	in/hr
	13	Depth Biofiltered Over 6 Hour Storm	1.72	3.42	3.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	14	Soil Media Pore Space	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	unitless
	15	Gravel Pore Space	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	16	Effective Depth of Biofiltration Storage	20.4	20.4	20.4	0	0	0	0	0	0	0	inches
	17	Drawdown Time for Surface Ponding	21	11	9	0	0	0	0	0	0	0	hours
	18	Drawdown Time for Entire Biofiltration Basin	71	36	31	0	0	0	0	0	0	0	hours
	19	Total Depth Biofiltered	22.12	23.82	24.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	inches
	20	Option 1 - Biofilter 1.50 DCV: Target Volume	522	384	93	0	0	0	0	0	0	0	cubic-feet
Result	21	Option 1 - Provided Biofiltration Volume	522	384	93	0	0	0	0	0	0	0	cubic-feet
	22	Option 2 - Store 0.75 DCV: Target Volume	261	192	47	0	0	0	0	0	0	0	cubic-feet
	23	Option 2 - Provided Storage Volume	261	192	47	0	0	0	0	0	0	0	cubic-feet
	24	Percentage of Performance Requirement Satisfied	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ratio
	25	Deficit of Effectively Treated Stormwater	0	0	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	cubic-feet

Worksheet B.5-1 General Notes:
A. Applicants may use this worksheet to size Lined Biofiltration BMPs (BF-1) for up to 10 basins. User input must be provided for yellow shaded cells, values for blue cells are automatically populated based on user inputs from previous worksheets, values for all other cells will be automatically generated, errors/notifications will be highlighted in red and summarized below. BMPs fully satisfying the pollutant control performance standards will have a deficit treated volume of zero and be highlighted in green.

Summary of Stormwater Pollutant Control Calculations (V1.1)

Category	Description	i	ii	iii	iv	v	vi	vii	viii	ix	Units
Drainage Basin Inputs	Drainage Basin ID or Name	213	214	215	-	-	-	-	-	-	unitless
	Total Area Tributary to BMP	8,544	16,997	5,276	-	-	-	-	-	-	sq-ft
	Composite Runoff Factor for Standard Drainage Areas	0.73	0.27	0.21	-	-	-	-	-	-	unitless
	85th Percentile 24-hr Storm Depth	0.67	0.67	0.67	-	-	-	-	-	-	inches
	Initial Design Capture Volume	348	256	62	-	-	-	-	-	-	cubic-feet
Volume Reductions	Final Adjusted Tributary Runoff Factor	0.73	0.27	0.21	-	-	-	-	-	-	unitless
	Final Effective Tributary Area	6,237	4,589	1,108	-	-	-	-	-	-	sq-ft
	Tree Wall and Rain Barrel Reductions	0	0	0	-	-	-	-	-	-	cubic-feet
	Design Capture Volume Tributary to BMP	348	256	62	-	-	-	-	-	-	cubic-feet
	Basin Drains to the Following BMP Type	Biofiltration	Biofiltration	Biofiltration	-	-	-	-	-	-	unitless
BMP Sizing	Deficit of Effectively Treated Stormwater	0	0	0	-	-	-	-	-	-	cubic-feet

Summary Notes:

All fields in this summary worksheet are populated based on previous user inputs. Drainage basins achieving full compliance with performance requirements for onsite pollutant control are highlighted in green. Drainage basins not achieving full compliance are highlighted in red and summarized below. Please note that drainage areas using De Minimis, Self-Mitigating, and/or Self-Retaining classifications may be required to provide additional supporting information.

-Congratulations, all specified drainage basins and BMPs are in compliance with stormwater pollutant control requirements. Include 11x17 color prints of this summary sheet and supporting worksheet calculations as part of the SWQMP submittal package.

Automated Worksheet B.3-1: Project-Scale BMP Feasibility Analysis (V1.1)

Category	#	Description	Value	Units
Capture & Use Inputs	0	Design Capture Volume for Entire Project Site	810	cubic-feet
	1	Proposed Development Type	Schools	unitless
	2	Number of Residents or Employees at Proposed Development	10	#
	3	Total Planted Area within Development	90,500	sq-ft
Infiltration Inputs	4	Water Use Category for Proposed Planted Areas	Low	unitless
	5	Is Average Site Infiltration Rate Less than 0.5 Inches per Hour?	Yes	yes/no
	6	Is Retention of the Full DCV Anticipated to Produce Negative Impacts?	Yes	yes/no
	7	Is Retention of Any Volume Anticipated to Produce Negative Impacts?	Yes	yes/no
Calculations	8	36-Hour Toilet Use Per Resident or Employee	1.33	cubic-feet
	9	Subtotal: Anticipated 36 Hour Toilet Use	13	cubic-feet
	10	Anticipated 1 Acre Landscape Use Over 36 Hours	52.14	cubic-feet
	11	Subtotal: Anticipated Landscape Use Over 36 Hours	108	cubic-feet
	12	Total Anticipated Use Over 36 Hours	122	cubic-feet
	13	Total Anticipated Use / Design Capture Volume	0.15	cubic-feet
	14	Are Full Capture and Use Techniques Feasible for this Project?	No	unitless
	15	Is Full Retention Feasible for this Project?	No	yes/no
Result	16	Is Partial Retention Feasible for this Project?	No	yes/no
	17	Feasibility Category	5	1, 2, 3, 4, 5

Worksheet B.3-1 General Notes:

A. Applicants may use this optional worksheet to gauge the feasibility of implementing capture and use techniques on their project site. User input should be provided for yellow shaded cells, values for all other cells will be automatically generated. Projects demonstrating feasibility or potential feasibility via this worksheet are encouraged to incorporate capture and use features in their project.

BASIN 4

Automated Worksheet B.1-1: Calculation of Design Capture Volume (V1.1)

Category	#	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
Standard Drainage Basin Inputs	0	Drainage Basin ID or Name	216	217	218	219	220						unitless
	1	Basin Drains to the Following BMP Type											unitless
	2	85th Percentile 24-hr Storm Depth	0.67	0.67	0.67	0.67	0.67						inches
	3	Impervious Surfaces Not Directed to Dispersion Area (C=0.90)	1,147	632	926	740	838						sq-ft
	4	Semi-Pervious Surfaces Not Serving as Dispersion Area (C=0.30)	1,058	2,481	3,114	11,111	7,223						sq-ft
	5	Engineered Pervious Surfaces Not Serving as Dispersion Area (C=0.10)	8,380	1,829	1,799	3,676	2,043						sq-ft
	6	Natural Type A Soil Not Serving as Dispersion Area (C=0.10)											sq-ft
	7	Natural Type B Soil Not Serving as Dispersion Area (C=0.14)											sq-ft
	8	Natural Type C Soil Not Serving as Dispersion Area (C=0.23)											sq-ft
	9	Natural Type D Soil Not Serving as Dispersion Area (C=0.30)											sq-ft
Dispersion, Tree Well, & Rain Barrel Inputs (Optional)	10	Does Tributary Incorporate Dispersion, Tree Wells, and/or Rain Barrels?	No	No	No	No	No	No	No	No	No	No	yes/no
	11	Impervious Surfaces Directed to Dispersion Area per SD-B (C=0.90)											sq-ft
	12	Semi-Pervious Surfaces Serving as Dispersion Area per SD-B (C=0.30)											sq-ft
	13	Engineered Pervious Surfaces Serving as Dispersion Area per SD-B (C=0.10)											sq-ft
	14	Natural Type A Soil Serving as Dispersion Area per SD-B (C=0.10)											sq-ft
	15	Natural Type B Soil Serving as Dispersion Area per SD-B (C=0.14)											sq-ft
	16	Natural Type C Soil Serving as Dispersion Area per SD-B (C=0.23)											sq-ft
	17	Natural Type D Soil Serving as Dispersion Area per SD-B (C=0.30)											sq-ft
	18	Number of Tree Wells Proposed per SD-A											#
	19	Average Mature Tree Canopy Diameter											ft
Final Adjusted Runoff Factor Calculations	20	Number of Rain Barrels Proposed per SD-E											#
	21	Average Rain Barrel Size											gal
	22	Total Area Tributary to BMP	10,740	4,942	6,009	15,527	10,104	0	0	0	0	0	sq-ft
	23	Composite Runoff Factor for Standard Drainage Areas	0.22	0.54	0.33	0.28	0.31	0.00	0.00	0.00	0.00	0.00	unitless
	24	Initial Composite Runoff Factor for Dispersed & Dispersion Areas	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	unitless
	25	Total Impervious Area Dispersed to Pervious Surface	0	0	0	0	0	0	0	0	0	0	sq-ft
	26	Total Pervious Dispersion Area	0	0	0	0	0	0	0	0	0	0	sq-ft
	27	Dispersed Impervious Area / Pervious Dispersion Area	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ratio
	28	Adjustment Factor for Dispersed & Dispersion Areas	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	ratio
	29	Final Adjusted Tributary Runoff Factor	0.22	0.54	0.33	0.28	0.31	0.00	0.00	0.00	0.00	0.00	unitless
Volume Reduction Calculations	30	Final Effective Tributary Area	2,363	2,669	1,983	4,348	3,132	0	0	0	0	0	sq-ft
	31	Initial Design Capture Volume	132	149	111	243	175	0	0	0	0	0	cubic-feet
	32	Volume Reduction per Tree Well	0	0	0	0	0	0	0	0	0	0	cubic-feet
	33	Total Tree Well Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
	34	Total Rain Barrel Volume Reduction	0	0	0	0	0	0	0	0	0	0	cubic-feet
Result	35	Design Capture Volume Tributary to BMP	132	149	111	243	175	0	0	0	0	0	cubic-feet

Worksheet B.1-1 General Notes:

- Applicants may use this worksheet to calculate design capture volumes for up to 10 drainage areas. User input must be provided for yellow shaded cells, values for all other cells will be automatically generated, errors/notifications will be highlighted in red and summarized below. Upon completion of this worksheet, proceed to the appropriate BMP Sizing worksheet(s).
- Impervious surfaces include roofs, concrete, asphalt, or pervious pavements with an impervious liner. Semi-pervious surfaces include decomposed granite, cobbles, crushed aggregate, or compacted soils such as unpaved parking. Engineered pervious surfaces include pervious pavements providing full retention of the 85th percentile rainfall depth, or areas with soils that have been amended and mulched per Section 86.709 of the Landscape Ordinance. Dispersion areas are pervious or semi-pervious surfaces that receive runoff from impervious surfaces (C=0.90) and reduce stormwater runoff as outlined in Fact Sheet SD-B.

Automated Worksheet B.5-1: Sizing Biofiltration BMPs (V1.1)

Category	#	Description	i	ti	iti	ip	r	ri	rit	rx	x	Units
BMP Inputs	0	Drainage Basin ID or Name	216	217	218	219	220	-	-	-	-	unitless
	1	Effective Tributary Area	2,363	2,669	1,983	4,348	3,132	-	-	-	-	sq-ft
	2	Minimum Biofiltration Footprint Sizing Factor	0.030	0.030	0.030	0.030	0.030	-	-	-	-	ratio
	3	Design Capture Volume Tributary to BMP	132	149	111	243	175	-	-	-	-	cubic-feet
	4	Provided Biofiltration Surface Area	822	423	549	1,351	895	-	-	-	-	sq-ft
	5	Provided Surface Ponding Depth	10	10	10	10	10	-	-	-	-	inches
	6	Provided Soil Media Thickness	24	24	24	24	24	-	-	-	-	inches
	7	Provided Gravel Storage Thickness	18	18	18	18	18	-	-	-	-	inches
Biofiltration Calculations	8	Hydromodification Orifice Diameter of Underdrain	0.80	0.50	0.60	0.60	0.60	-	-	-	-	inches
	9	Max Hydromod Flow Rate through Underdrain	0.040	0.015	0.022	0.022	0.023	n/a	n/a	n/a	n/a	CFS
	10	Max Soil Filtration Rate Allowed by Underdrain Orifice	2.63	1.50	2.88	0.72	1.30	n/a	n/a	n/a	n/a	in/hr
	11	Soil Media Filtration Rate	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	in/hr
	12	Soil Media Filtration Rate to be used for Sizing	2.63	1.50	2.88	0.72	1.30	5.00	5.00	5.00	5.00	in/hr
	13	Depth Biofiltered Over 6 Hour Storm	15.80	8.98	17.29	4.31	7.80	0.00	0.00	0.00	0.00	inches
	14	Soil Media Pore Space	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	unitless
	15	Gravel Pore Space	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	16	Effective Depth of Biofiltration Storage	29.8	24	27	27.8	29.8	0	0	0	0	inches
	17	Drawdown Time for Surface Ponding	4	4	3	11	8	0	0	0	0	hours
	18	Drawdown Time for Entire Biofiltration Basin	11	16	9	39	23	0	0	0	0	hours
	19	Total Depth Biofiltered	45.60	32.98	44.29	32.11	37.60	0.00	0.00	0.00	0.00	inches
	20	Option 1 - Biofilter 1.50 DCV: Target Volume	198	224	167	365	263	0	0	0	0	cubic-feet
	21	Option 1 - Provided Biofiltration Volume	198	224	167	365	263	0	0	0	0	cubic-feet
	22	Option 2 - Store 0.75 DCV: Target Volume	99	112	83	182	131	0	0	0	0	cubic-feet
Result	23	Option 2 - Provided Storage Volume	99	112	83	182	131	0	0	0	0	cubic-feet
	24	Percentage of Performance Requirement Satisfied	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	ratio
	25	Deficit of Effectively Treated Stormwater	0	0	0	0	0	n/a	n/a	n/a	n/a	cubic-feet

Worksheet B.5-1 General Notes:

A. Applicants may use this worksheet to size Lined Biofiltration BMPs (BF-1) for up to 10 basins. User input must be provided for yellow shaded cells, values for blue cells are automatically populated based on user inputs from previous worksheets, values for all other cells will be automatically generated, errors/notifications will be highlighted in red and summarized below. BMPs fully satisfying the pollutant control performance standards will have a deficit treated volume of zero and be highlighted in green.

Summary of Stormwater Pollutant Control Calculations (V1.1)

Category	Description	i	ii	iii	iv	v	vi	vii	viii	ix	x	Units
Drainage Basin Inputs	Drainage Basin ID or Name	216	217	218	219	220	-	-	-	-	-	unitless
	Total Area Tributary to BMP	10,740	4,942	6,009	15,527	10,104	-	-	-	-	-	sq-ft
	Composite Runoff Factor for Standard Drainage Areas	0.22	0.54	0.33	0.28	0.31	-	-	-	-	-	unitless
	85th Percentile 24-hr Storm Depth	0.67	0.67	0.67	0.67	0.67	-	-	-	-	-	inches
Volume Reductions	Initial Design Capture Volume	132	149	111	243	175	-	-	-	-	-	cubic-feet
	Final Adjusted Tributary Runoff Factor	0.22	0.54	0.33	0.28	0.31	-	-	-	-	-	unitless
	Final Effective Tributary Area	2,363	2,669	1,983	4,348	3,132	-	-	-	-	-	sq-ft
	Tree Well and Rain Barrel Reductions	0	0	0	0	0	-	-	-	-	-	cubic-feet
BMP Sizing	Design Capture Volume Tributary to BMP	132	149	111	243	175	-	-	-	-	-	cubic-feet
	Basin Drains to the Following BMP Type	Biofiltration	Biofiltration	Biofiltration	Biofiltration	Biofiltration	-	-	-	-	-	unitless
	Deficit of Effectively Treated Stormwater	0	0	0	0	0	-	-	-	-	-	cubic-feet
							-	-	-	-	-	

Summary Notes:

All fields in this summary worksheet are populated based on previous user inputs. Drainage basins achieving full compliance with performance requirements for onsite pollutant control are highlighted in green. Drainage basins not achieving full compliance are highlighted in red and summarized below. Please note that drainage areas using De Minimis, Self-Mitigating, and/or Self-Retaining classifications may be required to provide additional supporting information.

-Congratulations, all specified drainage basins and BMPs are in compliance with stormwater pollutant control requirements. Include 11x17 color prints of this summary sheet and supporting worksheet calculations as part of the SWQMP submittal package.

Categorization of Infiltration Feasibility Condition		Form I-8	
Part 1 - Full Infiltration Feasibility Screening Criteria Would infiltration of the full design volume be feasible from a physical perspective without any undesirable consequences that cannot be reasonably mitigated? Note that it is not necessary to investigate each and every criterion in the worksheet if infiltration is precluded. Instead a letter of justification from a geotechnical professional familiar with the local conditions substantiating any geotechnical issues will be required.			
Criteria	Screening Question	Yes	No
1	Is the estimated reliable infiltration rate below proposed facility locations greater than 0.5 inches per hour? The response to this Screening Question must be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.		X
Provide basis: Site is heavy clay soils with very poor infiltration rate based on previous percolation testing. Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
2	Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level? The response to this Screening Question must be based on a comprehensive evaluation of the factors presented in Appendix C.2.		
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			

Form I-8 Page 2 of 4			
Criteria	Screening Question	Yes	No
3	Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of groundwater contamination (shallow water table, storm water pollutants or other factors) that cannot be mitigated to an acceptable level? The response to this Screening Question must be based on a comprehensive evaluation of the factors presented in Appendix C.3.		
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
4	Can infiltration greater than 0.5 inches per hour be allowed without causing potential water balance issues such as change of seasonality of ephemeral streams or increased discharge of contaminated groundwater to surface waters? The response to this Screening Question must be based on a comprehensive evaluation of the factors presented in Appendix C.3.		
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
Part 1 Result *	If all answers to rows 1 - 4 are “Yes” a full infiltration design is potentially feasible. The feasibility screening category is Full Infiltration If any answer from row 1-4 is “No”, infiltration may be possible to some extent but would not generally be feasible or desirable to achieve a “full infiltration” design. Proceed to Part 2		

*To be completed using gathered site information and best professional judgment considering the definition of MEP in the MS4 Permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings

Form I-8 Page 3 of 4

Part 2 – Partial Infiltration vs. No Infiltration Feasibility Screening Criteria

Would infiltration of water in any appreciable amount be physically feasible without any negative consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
5	Do soil and geologic conditions allow for infiltration in any appreciable rate or volume? The response to this Screening Question must be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.		X

Provide basis:

Site is heavy clay soils with very poor infiltration rate based on previous percolation testing. USDA Soil Survey indicate very low infiltration rates for soils types in the area of the site. Also, the location of an artesian well several hundred feet north of the project site indicates an impermeable layer of soils near the surface.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.

6	Can Infiltration in any appreciable quantity be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level? The response to this Screening Question must be based on a comprehensive evaluation of the factors presented in Appendix C.2.		
---	--	--	--

Provide basis:

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.

Form I-8 Page 4 of 4			
Criteria	Screening Question	Yes	No
7	Can Infiltration in any appreciable quantity be allowed without posing significant risk for groundwater related concerns (shallow water table, storm water pollutants or other factors)? The response to this Screening Question must be based on a comprehensive evaluation of the factors presented in Appendix C.3.		
Provide basis:			
Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.			
8	Can infiltration be allowed without violating downstream water rights? The response to this Screening Question must be based on a comprehensive evaluation of the factors presented in Appendix C.3.		
Provide basis:			
Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.			
Part 2 Result*	If all answers from row 1-4 are yes then partial infiltration design is potentially feasible. The feasibility screening category is Partial Infiltration . If any answer from row 5-8 is no, then infiltration of any volume is considered to be infeasible within the drainage area. The feasibility screening category is No Infiltration .		

*To be completed using gathered site information and best professional judgment considering the definition of MEP in the MS4 Permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings

ATTACHMENT 2

BACKUP FOR PDP HYDROMODIFICATION CONTROL MEASURES

This is the cover sheet for Attachment 2.

- ☐ Mark this box if this attachment is empty because the project is exempt from PDP hydromodification management requirements.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 2a	Flow Control Facility Design, including Structural BMP Drawdown Calculations and Overflow Design Summary (Required) See Chapter 6 and Appendix G of the BMP Design Manual	☐ Included ☐ Submitted as separate stand-alone document
Attachment 2b	Hydromodification Management Exhibit (Required)	☒ Included See Hydromodification Management Exhibit Checklist on the back of this Attachment cover sheet.
Attachment 2c	Management of Critical Coarse Sediment Yield Areas See Section 6.2 and Appendix H of the BMP Design Manual.	☒ Exhibit depicting onsite and/or upstream sources of critical coarse sediment as mapped by Regional or Jurisdictional approaches outlined in Appendix H.1 AND, ☒ Demonstration that the project effectively avoids and bypasses sources of mapped critical coarse sediment per approaches outlined in Appendix H.2 and H.3. OR, ☐ Demonstration that project does not generate a net impact on the receiving water per approaches outlined in Appendix H.4.
Attachment 2d	Geomorphic Assessment of Receiving Channels (Optional) See Section 6.3.4 of the BMP Design Manual.	☒ Not performed ☐ Included ☐ Submitted as separate stand-alone document
Attachment 2e	Vector Control Plan (Required when structural BMPs will not drain in 96 hours)	☐ Included ☒ Not required because BMPs will drain in less than 96 hours

Use this checklist to ensure the required information has been included on the
Hydromodification Management Exhibit:

The Hydromodification Management Exhibit must identify:

- ☒ Underlying hydrologic soil group
- ☒ Approximate depth to groundwater
- ☒ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☒ Critical coarse sediment yield areas to be protected
- ☒ Existing topography
- ☒ Existing and proposed site drainage network and connections to drainage offsite
- ☒ Proposed grading
- ☒ Proposed impervious features
- ☒ Proposed design features and surface treatments used to minimize imperviousness
- ☒ Point(s) of Compliance (POC) for Hydromodification Management
- ☒ Existing and proposed drainage boundary and drainage area to each POC (when necessary, create separate exhibits for pre-development and post-project conditions)
- ☒ Structural BMPs for hydromodification management (identify location, type of BMP, and size/detail)

SDHM
PROJECT REPORT

General Model Information

Project Name: CBC-Basin 2
Site Name: CBC
Site Address: 16919 Four Gee Rd
City: San Diego
Report Date: 10/26/2016
Gage: POWAY
Data Start: 10/01/1963
Data End: 09/30/2004
Timestep: Hourly
Precip Scale: 1.00
Version Date: 2016/04/13

POC Thresholds

Low Flow Threshold for POC2:	10 Percent of the 2 Year
High Flow Threshold for POC2:	10 Year

Landuse Basin Data

Predeveloped Land Use

Basin 2 - Node B

Bypass: No

GroundWater: No

Pervious Land Use acre
D,Grass,MOD(5-10%) 6.58

Pervious Total 6.58

Impervious Land Use acre

Impervious Total 0

Basin Total 6.58

Element Flows To:
Surface Interflow Groundwater

Mitigated Land Use

Basin 208 - Node B

Bypass: No

GroundWater: No

Pervious Land Use acre

D,Urban,FLAT(0-5%) 0.01

D,Gravel,Flat(0-5) 0.08

Pervious Total 0.09

Impervious Land Use acre

Impervious Total 0

Basin Total 0.09

Element Flows To:

Surface

Interflow

Groundwater

IMP 208 Surface08

Basin 209 - Node B

Bypass: No

GroundWater: No

Pervious Land Use acre

D,Urban,FLAT(0-5%) 0.01

D,Gravel,Flat(0-5) 0.03

Pervious Total 0.04

Impervious Land Use acre

IMPERVIOUS-FLAT 0.07

Impervious Total 0.07

Basin Total 0.11

Element Flows To:

Surface

Interflow

Groundwater

IMP 209 Surface09

Basin 210 - Node B

Bypass:	No
GroundWater:	No
Pervious Land Use	acre
Pervious Total	0
Impervious Land Use	acre
IMPERVIOUS-FLAT	1.15
Impervious Total	1.15
Basin Total	1.15

Element Flows To:		
Surface	Interflow	Groundwater
IMP 210 Surface10		

Basin 211 - Node B

Bypass: No

GroundWater: No

Pervious Land Use acre
D,Urban,FLAT(0-5%) 0.01

Pervious Total 0.01

Impervious Land Use acre
IMPERVIOUS-FLAT 0.36

Impervious Total 0.36

Basin Total 0.37

Element Flows To:		
Surface	Interflow	Groundwater
IMP 211 Surface11		

Basin 212- Node B

Bypass: No

GroundWater: No

Pervious Land Use acre

D,Urban,FLAT(0-5%) 0.01

D,Gravel,Flat(0-5) 0.05

Pervious Total 0.06

Impervious Land Use acre

IMPERVIOUS-FLAT 0.08

Impervious Total 0.08

Basin Total 0.14

Element Flows To:

Surface

Interflow

Groundwater

IMP 212 Surface12

Basin 201- Node B

Bypass: No

GroundWater: No

Pervious Land Use acre
D,Urban,FLAT(0-5%) 0.01

Pervious Total 0.01

Impervious Land Use acre
IMPERVIOUS-FLAT 0.07

Impervious Total 0.07

Basin Total 0.08

Element Flows To:
Surface Interflow Groundwater
IMP 201 Surface01

Basin 204- Node B

Bypass: No

GroundWater: No

Pervious Land Use	acre
D,Gravel,Flat(0-5)	0.58
D,Urban,FLAT(0-5%)	0.18

Pervious Total 0.76

Impervious Land Use	acre
IMPERVIOUS-FLAT	0.69

Impervious Total 0.69

Basin Total 1.45

Element Flows To:		
Surface	Interflow	Groundwater
IMP 204 Surface04		

Basin 205 - Node B

Bypass: No

GroundWater: No

Pervious Land Use	acre
D,Gravel,Flat(0-5)	0.38
D,Urban,FLAT(0-5%)	0.01

Pervious Total 0.39

Impervious Land Use	acre
IMPERVIOUS-FLAT	0.21

Impervious Total 0.21

Basin Total 0.6

Element Flows To:		
Surface	Interflow	Groundwater
IMP 205 Surface05		

Basin 206- Node B

Bypass: No

GroundWater: No

Pervious Land Use	acre
D,Dirt, Flat(0-5%)	0.06
D,Gravel,Flat(0-5)	0.08
D,Urban,FLAT(0-5%)	0.09

Pervious Total 0.23

Impervious Land Use	acre
IMPERVIOUS-FLAT	0.1

Impervious Total 0.1

Basin Total 0.33

Element Flows To:		
Surface	Interflow	Groundwater
IMP 206 Surface06		

Basin 207- Node B

Bypass: No

GroundWater: No

Pervious Land Use acre
D,Gravel,Flat(0-5) 0.02

Pervious Total 0.02

Impervious Land Use acre
IMPERVIOUS-FLAT 0.06

Impervious Total 0.06

Basin Total 0.08

Element Flows To:
Surface Interflow Groundwater
IMP 207 Surface07

Routing Elements

Predeveloped Routing

Mitigated Routing

Porous Pavement 208

Pavement Area: 0.1612 acre. Pavement Length: 117.00 ft.
Pavement Width: 60.00 ft.
Pavement slope 1:0.01 To 1
Pavement thickness: 0.5
Pour Space of Pavement: 0.1
Material thickness of second layer: 2
Pour Space of material for second layer: 0.4
Material thickness of third layer: 0
Pour Space of material for third layer: 0
Infiltration On
Infiltration rate: 0.02
Infiltration safety factor: 0.5
Wetted surface area On
Total Volume Infiltrated (ac-ft.): 3.818
Total Volume Through Riser (ac-ft.): 0.028
Total Volume Through Facility (ac-ft.): 3.846
Percent Infiltrated: 99.27
Total Precip Applied to Facility: 0
Total Evap From Facility: 1.293
Element Flows To:
Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.161	0.000	0.000	0.000
0.0178	0.161	0.001	0.000	0.001
0.0356	0.161	0.002	0.000	0.001
0.0533	0.161	0.003	0.000	0.001
0.0711	0.161	0.004	0.000	0.001
0.0889	0.161	0.005	0.000	0.001
0.1067	0.161	0.006	0.000	0.001
0.1244	0.161	0.008	0.000	0.001
0.1422	0.161	0.009	0.000	0.001
0.1600	0.161	0.010	0.000	0.001
0.1778	0.161	0.011	0.000	0.001
0.1956	0.161	0.012	0.000	0.001
0.2133	0.161	0.013	0.000	0.001
0.2311	0.161	0.014	0.000	0.001
0.2489	0.161	0.016	0.000	0.001
0.2667	0.161	0.017	0.000	0.001
0.2844	0.161	0.018	0.000	0.001
0.3022	0.161	0.019	0.000	0.001
0.3200	0.161	0.020	0.000	0.001
0.3378	0.161	0.021	0.000	0.001
0.3556	0.161	0.022	0.000	0.001
0.3733	0.161	0.024	0.000	0.001
0.3911	0.161	0.025	0.000	0.001
0.4089	0.161	0.026	0.000	0.001
0.4267	0.161	0.027	0.000	0.001
0.4444	0.161	0.028	0.000	0.001
0.4622	0.161	0.029	0.000	0.001
0.4800	0.161	0.030	0.000	0.001

0.4978	0.161	0.032	0.000	0.001
0.5156	0.161	0.033	0.000	0.001
0.5333	0.161	0.034	0.000	0.001
0.5511	0.161	0.035	0.000	0.001
0.5689	0.161	0.036	0.000	0.001
0.5867	0.161	0.037	0.000	0.001
0.6044	0.161	0.039	0.000	0.001
0.6222	0.161	0.040	0.000	0.001
0.6400	0.161	0.041	0.000	0.001
0.6578	0.161	0.042	0.000	0.001
0.6756	0.161	0.043	0.000	0.001
0.6933	0.161	0.044	0.000	0.001
0.7111	0.161	0.045	0.000	0.001
0.7289	0.161	0.047	0.000	0.001
0.7467	0.161	0.048	0.000	0.001
0.7644	0.161	0.049	0.000	0.001
0.7822	0.161	0.050	0.000	0.001
0.8000	0.161	0.051	0.000	0.001
0.8178	0.161	0.052	0.000	0.001
0.8356	0.161	0.053	0.000	0.001
0.8533	0.161	0.055	0.000	0.001
0.8711	0.161	0.056	0.000	0.001
0.8889	0.161	0.057	0.000	0.001
0.9067	0.161	0.058	0.000	0.001
0.9244	0.161	0.059	0.000	0.001
0.9422	0.161	0.060	0.000	0.001
0.9600	0.161	0.061	0.000	0.001
0.9778	0.161	0.063	0.000	0.001
0.9956	0.161	0.064	0.000	0.001
1.0133	0.161	0.065	0.112	0.001
1.0311	0.161	0.066	0.172	0.001
1.0489	0.161	0.067	0.216	0.001
1.0667	0.161	0.068	0.252	0.001
1.0844	0.161	0.069	0.283	0.001
1.1022	0.161	0.071	0.312	0.001
1.1200	0.161	0.072	0.338	0.001
1.1378	0.161	0.073	0.362	0.001
1.1556	0.161	0.074	0.385	0.001
1.1733	0.161	0.075	0.406	0.001
1.1911	0.161	0.076	0.427	0.001
1.2089	0.161	0.077	0.446	0.001
1.2267	0.161	0.079	0.465	0.001
1.2444	0.161	0.080	0.483	0.001
1.2622	0.161	0.081	0.500	0.001
1.2800	0.161	0.082	0.516	0.001
1.2978	0.161	0.083	0.533	0.001
1.3156	0.161	0.084	0.548	0.001
1.3333	0.161	0.086	0.564	0.001
1.3511	0.161	0.087	0.578	0.001
1.3689	0.161	0.088	0.593	0.001
1.3867	0.161	0.089	0.607	0.001
1.4044	0.161	0.090	0.621	0.001
1.4222	0.161	0.091	0.634	0.001
1.4400	0.161	0.092	0.648	0.001
1.4578	0.161	0.094	0.661	0.001
1.4756	0.161	0.095	0.673	0.001
1.4933	0.161	0.096	0.686	0.001
1.5111	0.161	0.097	0.698	0.001

1.5289	0.161	0.098	0.710	0.001
1.5467	0.161	0.099	0.722	0.001
1.5644	0.161	0.100	0.734	0.001
1.5822	0.161	0.102	0.745	0.001
1.6000	0.161	0.103	0.756	0.001

Porous Pavement 209

Pavement Area:0.0563 acre.Pavement Length:49.50 ft.
 Pavement Width: 49.50 ft.
 Pavement slope 1:0.01 To 1
 Pavement thickness: 0.5
 Pour Space of Pavement: 0.1
 Material thickness of second layer: 2
 Pour Space of material for second layer: 0.4
 Material thickness of third layer: 0
 Pour Space of material for third layer: 0
 Infiltration On
 Infiltration rate: 0.02
 Infiltration safety factor: 0.5
 Wetted surface area On
 Total Volume Infiltrated (ac-ft.): 1.331
 Total Volume Through Riser (ac-ft.): 0.01
 Total Volume Through Facility (ac-ft.): 1.341
 Percent Infiltrated: 99.25
 Total Precip Applied to Facility: 0
 Total Evap From Facility: 0.451
 Element Flows To:
 Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.056	0.000	0.000	0.000
0.0178	0.056	0.000	0.000	0.000
0.0356	0.056	0.000	0.000	0.000
0.0533	0.056	0.001	0.000	0.000
0.0711	0.056	0.001	0.000	0.000
0.0889	0.056	0.002	0.000	0.000
0.1067	0.056	0.002	0.000	0.000
0.1244	0.056	0.002	0.000	0.000
0.1422	0.056	0.003	0.000	0.000
0.1600	0.056	0.003	0.000	0.000
0.1778	0.056	0.004	0.000	0.000
0.1956	0.056	0.004	0.000	0.000
0.2133	0.056	0.004	0.000	0.000
0.2311	0.056	0.005	0.000	0.000
0.2489	0.056	0.005	0.000	0.000
0.2667	0.056	0.006	0.000	0.000
0.2844	0.056	0.006	0.000	0.000
0.3022	0.056	0.006	0.000	0.000
0.3200	0.056	0.007	0.000	0.000
0.3378	0.056	0.007	0.000	0.000
0.3556	0.056	0.008	0.000	0.000
0.3733	0.056	0.008	0.000	0.000
0.3911	0.056	0.008	0.000	0.000
0.4089	0.056	0.009	0.000	0.000
0.4267	0.056	0.009	0.000	0.000
0.4444	0.056	0.010	0.000	0.000
0.4622	0.056	0.010	0.000	0.000
0.4800	0.056	0.010	0.000	0.000
0.4978	0.056	0.011	0.000	0.000
0.5156	0.056	0.011	0.000	0.000

0.5333	0.056	0.012	0.000	0.000
0.5511	0.056	0.012	0.000	0.000
0.5689	0.056	0.012	0.000	0.000
0.5867	0.056	0.013	0.000	0.000
0.6044	0.056	0.013	0.000	0.000
0.6222	0.056	0.014	0.000	0.000
0.6400	0.056	0.014	0.000	0.000
0.6578	0.056	0.014	0.000	0.000
0.6756	0.056	0.015	0.000	0.000
0.6933	0.056	0.015	0.000	0.000
0.7111	0.056	0.016	0.000	0.000
0.7289	0.056	0.016	0.000	0.000
0.7467	0.056	0.016	0.000	0.000
0.7644	0.056	0.017	0.000	0.000
0.7822	0.056	0.017	0.000	0.000
0.8000	0.056	0.018	0.000	0.000
0.8178	0.056	0.018	0.000	0.000
0.8356	0.056	0.018	0.000	0.000
0.8533	0.056	0.019	0.000	0.000
0.8711	0.056	0.019	0.000	0.000
0.8889	0.056	0.020	0.000	0.000
0.9067	0.056	0.020	0.000	0.000
0.9244	0.056	0.020	0.000	0.000
0.9422	0.056	0.021	0.000	0.000
0.9600	0.056	0.021	0.000	0.000
0.9778	0.056	0.022	0.000	0.000
0.9956	0.056	0.022	0.000	0.000
1.0133	0.056	0.022	0.112	0.000
1.0311	0.056	0.023	0.172	0.000
1.0489	0.056	0.023	0.216	0.000
1.0667	0.056	0.024	0.252	0.000
1.0844	0.056	0.024	0.283	0.000
1.1022	0.056	0.024	0.312	0.000
1.1200	0.056	0.025	0.338	0.000
1.1378	0.056	0.025	0.362	0.000
1.1556	0.056	0.026	0.385	0.000
1.1733	0.056	0.026	0.406	0.000
1.1911	0.056	0.026	0.427	0.000
1.2089	0.056	0.027	0.446	0.000
1.2267	0.056	0.027	0.465	0.000
1.2444	0.056	0.028	0.483	0.000
1.2622	0.056	0.028	0.500	0.000
1.2800	0.056	0.028	0.516	0.000
1.2978	0.056	0.029	0.533	0.000
1.3156	0.056	0.029	0.548	0.000
1.3333	0.056	0.030	0.564	0.000
1.3511	0.056	0.030	0.578	0.000
1.3689	0.056	0.030	0.593	0.000
1.3867	0.056	0.031	0.607	0.000
1.4044	0.056	0.031	0.621	0.000
1.4222	0.056	0.032	0.634	0.000
1.4400	0.056	0.032	0.648	0.000
1.4578	0.056	0.032	0.661	0.000
1.4756	0.056	0.033	0.673	0.000
1.4933	0.056	0.033	0.686	0.000
1.5111	0.056	0.034	0.698	0.000
1.5289	0.056	0.034	0.710	0.000
1.5467	0.056	0.034	0.722	0.000

1.5644	0.056	0.035	0.734	0.000
1.5822	0.056	0.035	0.745	0.000
1.6000	0.056	0.036	0.756	0.000

Porous Pavement 212

Pavement Area:0.0932 acre.Pavement Length:156.15 ft.

Pavement Width: 26.00 ft.

Pavement slope 1:0.01 To 1

Pavement thickness: 0.5

Pour Space of Pavement: 0.1

Material thickness of second layer: 2

Pour Space of material for second layer: 0.4

Material thickness of third layer: 0

Pour Space of material for third layer: 0

Infiltration On

Infiltration rate: 0.02

Infiltration safety factor: 0.5

Wetted surface area On

Total Volume Infiltrated (ac-ft.): 2.207

Total Volume Through Riser (ac-ft.): 0.016

Total Volume Through Facility (ac-ft.): 2.224

Percent Infiltrated: 99.24

Total Precip Applied to Facility: 0

Total Evap From Facility: 0.748

Element Flows To:

Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.093	0.000	0.000	0.000
0.0178	0.093	0.000	0.000	0.000
0.0356	0.093	0.001	0.000	0.000
0.0533	0.093	0.002	0.000	0.000
0.0711	0.093	0.002	0.000	0.000
0.0889	0.093	0.003	0.000	0.000
0.1067	0.093	0.004	0.000	0.000
0.1244	0.093	0.004	0.000	0.000
0.1422	0.093	0.005	0.000	0.000
0.1600	0.093	0.006	0.000	0.000
0.1778	0.093	0.006	0.000	0.000
0.1956	0.093	0.007	0.000	0.000
0.2133	0.093	0.008	0.000	0.000
0.2311	0.093	0.008	0.000	0.000
0.2489	0.093	0.009	0.000	0.000
0.2667	0.093	0.009	0.000	0.000
0.2844	0.093	0.010	0.000	0.000
0.3022	0.093	0.011	0.000	0.000
0.3200	0.093	0.011	0.000	0.000
0.3378	0.093	0.012	0.000	0.000
0.3556	0.093	0.013	0.000	0.000
0.3733	0.093	0.013	0.000	0.000
0.3911	0.093	0.014	0.000	0.000
0.4089	0.093	0.015	0.000	0.000
0.4267	0.093	0.015	0.000	0.000
0.4444	0.093	0.016	0.000	0.000
0.4622	0.093	0.017	0.000	0.000
0.4800	0.093	0.017	0.000	0.000
0.4978	0.093	0.018	0.000	0.000
0.5156	0.093	0.019	0.000	0.000

0.5333	0.093	0.019	0.000	0.000
0.5511	0.093	0.020	0.000	0.000
0.5689	0.093	0.021	0.000	0.000
0.5867	0.093	0.021	0.000	0.000
0.6044	0.093	0.022	0.000	0.000
0.6222	0.093	0.023	0.000	0.000
0.6400	0.093	0.023	0.000	0.000
0.6578	0.093	0.024	0.000	0.000
0.6756	0.093	0.025	0.000	0.000
0.6933	0.093	0.025	0.000	0.000
0.7111	0.093	0.026	0.000	0.000
0.7289	0.093	0.027	0.000	0.000
0.7467	0.093	0.027	0.000	0.000
0.7644	0.093	0.028	0.000	0.000
0.7822	0.093	0.029	0.000	0.000
0.8000	0.093	0.029	0.000	0.000
0.8178	0.093	0.030	0.000	0.000
0.8356	0.093	0.031	0.000	0.000
0.8533	0.093	0.031	0.000	0.000
0.8711	0.093	0.032	0.000	0.000
0.8889	0.093	0.033	0.000	0.000
0.9067	0.093	0.033	0.000	0.000
0.9244	0.093	0.034	0.000	0.000
0.9422	0.093	0.035	0.000	0.000
0.9600	0.093	0.035	0.000	0.000
0.9778	0.093	0.036	0.000	0.000
0.9956	0.093	0.037	0.000	0.000
1.0133	0.093	0.037	0.112	0.000
1.0311	0.093	0.038	0.172	0.000
1.0489	0.093	0.039	0.216	0.000
1.0667	0.093	0.039	0.252	0.000
1.0844	0.093	0.040	0.283	0.000
1.1022	0.093	0.041	0.312	0.000
1.1200	0.093	0.041	0.338	0.000
1.1378	0.093	0.042	0.362	0.000
1.1556	0.093	0.043	0.385	0.000
1.1733	0.093	0.043	0.406	0.000
1.1911	0.093	0.044	0.427	0.000
1.2089	0.093	0.045	0.446	0.000
1.2267	0.093	0.045	0.465	0.000
1.2444	0.093	0.046	0.483	0.000
1.2622	0.093	0.047	0.500	0.000
1.2800	0.093	0.047	0.516	0.000
1.2978	0.093	0.048	0.533	0.000
1.3156	0.093	0.049	0.548	0.000
1.3333	0.093	0.049	0.564	0.000
1.3511	0.093	0.050	0.578	0.000
1.3689	0.093	0.051	0.593	0.000
1.3867	0.093	0.051	0.607	0.000
1.4044	0.093	0.052	0.621	0.000
1.4222	0.093	0.053	0.634	0.000
1.4400	0.093	0.053	0.648	0.000
1.4578	0.093	0.054	0.661	0.000
1.4756	0.093	0.055	0.673	0.000
1.4933	0.093	0.055	0.686	0.000
1.5111	0.093	0.056	0.698	0.000
1.5289	0.093	0.057	0.710	0.000
1.5467	0.093	0.057	0.722	0.000

1.5644	0.093	0.058	0.734	0.000
1.5822	0.093	0.059	0.745	0.000
1.6000	0.093	0.059	0.756	0.000

Porous Pavement 201

Pavement Area: 0.1382 acre. Pavement Length: 77.60 ft.
 Pavement Width: 77.60 ft.
 Pavement slope 1: 0.01 To 1
 Pavement thickness: 0.5
 Pour Space of Pavement: 0.1
 Material thickness of second layer: 2
 Pour Space of material for second layer: 0.4
 Material thickness of third layer: 0
 Pour Space of material for third layer: 0
 Infiltration On
 Infiltration rate: 0.02
 Infiltration safety factor: 0.5
 Wetted surface area On
 Total Volume Infiltrated (ac-ft.): 3.273
 Total Volume Through Riser (ac-ft.): 0.024
 Total Volume Through Facility (ac-ft.): 3.297
 Percent Infiltrated: 99.27
 Total Precip Applied to Facility: 0
 Total Evap From Facility: 1.109
 Element Flows To:
 Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.138	0.000	0.000	0.000
0.0178	0.138	0.001	0.000	0.001
0.0356	0.138	0.002	0.000	0.001
0.0533	0.138	0.002	0.000	0.001
0.0711	0.138	0.003	0.000	0.001
0.0889	0.138	0.004	0.000	0.001
0.1067	0.138	0.005	0.000	0.001
0.1244	0.138	0.006	0.000	0.001
0.1422	0.138	0.007	0.000	0.001
0.1600	0.138	0.008	0.000	0.001
0.1778	0.138	0.009	0.000	0.001
0.1956	0.138	0.010	0.000	0.001
0.2133	0.138	0.011	0.000	0.001
0.2311	0.138	0.012	0.000	0.001
0.2489	0.138	0.013	0.000	0.001
0.2667	0.138	0.014	0.000	0.001
0.2844	0.138	0.015	0.000	0.001
0.3022	0.138	0.016	0.000	0.001
0.3200	0.138	0.017	0.000	0.001
0.3378	0.138	0.018	0.000	0.001
0.3556	0.138	0.019	0.000	0.001
0.3733	0.138	0.020	0.000	0.001
0.3911	0.138	0.021	0.000	0.001
0.4089	0.138	0.022	0.000	0.001
0.4267	0.138	0.023	0.000	0.001
0.4444	0.138	0.024	0.000	0.001
0.4622	0.138	0.025	0.000	0.001
0.4800	0.138	0.026	0.000	0.001
0.4978	0.138	0.027	0.000	0.001
0.5156	0.138	0.028	0.000	0.001

0.5333	0.138	0.029	0.000	0.001
0.5511	0.138	0.030	0.000	0.001
0.5689	0.138	0.031	0.000	0.001
0.5867	0.138	0.032	0.000	0.001
0.6044	0.138	0.033	0.000	0.001
0.6222	0.138	0.034	0.000	0.001
0.6400	0.138	0.035	0.000	0.001
0.6578	0.138	0.036	0.000	0.001
0.6756	0.138	0.037	0.000	0.001
0.6933	0.138	0.038	0.000	0.001
0.7111	0.138	0.039	0.000	0.001
0.7289	0.138	0.040	0.000	0.001
0.7467	0.138	0.041	0.000	0.001
0.7644	0.138	0.042	0.000	0.001
0.7822	0.138	0.043	0.000	0.001
0.8000	0.138	0.044	0.000	0.001
0.8178	0.138	0.045	0.000	0.001
0.8356	0.138	0.046	0.000	0.001
0.8533	0.138	0.047	0.000	0.001
0.8711	0.138	0.048	0.000	0.001
0.8889	0.138	0.049	0.000	0.001
0.9067	0.138	0.050	0.000	0.001
0.9244	0.138	0.051	0.000	0.001
0.9422	0.138	0.052	0.000	0.001
0.9600	0.138	0.053	0.000	0.001
0.9778	0.138	0.054	0.000	0.001
0.9956	0.138	0.055	0.000	0.001
1.0133	0.138	0.056	0.112	0.001
1.0311	0.138	0.057	0.172	0.001
1.0489	0.138	0.058	0.216	0.001
1.0667	0.138	0.059	0.252	0.001
1.0844	0.138	0.060	0.283	0.001
1.1022	0.138	0.061	0.312	0.001
1.1200	0.138	0.061	0.338	0.001
1.1378	0.138	0.062	0.362	0.001
1.1556	0.138	0.063	0.385	0.001
1.1733	0.138	0.064	0.406	0.001
1.1911	0.138	0.065	0.427	0.001
1.2089	0.138	0.066	0.446	0.001
1.2267	0.138	0.067	0.465	0.001
1.2444	0.138	0.068	0.483	0.001
1.2622	0.138	0.069	0.500	0.001
1.2800	0.138	0.070	0.516	0.001
1.2978	0.138	0.071	0.533	0.001
1.3156	0.138	0.072	0.548	0.001
1.3333	0.138	0.073	0.564	0.001
1.3511	0.138	0.074	0.578	0.001
1.3689	0.138	0.075	0.593	0.001
1.3867	0.138	0.076	0.607	0.001
1.4044	0.138	0.077	0.621	0.001
1.4222	0.138	0.078	0.634	0.001
1.4400	0.138	0.079	0.648	0.001
1.4578	0.138	0.080	0.661	0.001
1.4756	0.138	0.081	0.673	0.001
1.4933	0.138	0.082	0.686	0.001
1.5111	0.138	0.083	0.698	0.001
1.5289	0.138	0.084	0.710	0.001
1.5467	0.138	0.085	0.722	0.001

1.5644	0.138	0.086	0.734	0.001
1.5822	0.138	0.087	0.745	0.001
1.6000	0.138	0.088	0.756	0.001

Porous Pavement 204

Pavement Area:0.3161 acre.Pavement Length:312.90 ft.

Pavement Width: 44.00 ft.
Pavement slope 1:0.01 To 1
Pavement thickness: 0.5
Pour Space of Pavement: 0.1
Material thickness of second layer: 2
Pour Space of material for second layer: 0.4
Material thickness of third layer: 0
Pour Space of material for third layer: 0
Infiltration On
Infiltration rate: 0.02
Infiltration safety factor: 0.5
Wetted surface area On
Total Volume Infiltrated (ac-ft.): 7.486
Total Volume Through Riser (ac-ft.): 0.054
Total Volume Through Facility (ac-ft.): 7.54
Percent Infiltrated: 99.28
Total Precip Applied to Facility: 0
Total Evap From Facility: 2.537
Element Flows To:
Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.316	0.000	0.000	0.000
0.0178	0.316	0.002	0.000	0.003
0.0356	0.316	0.004	0.000	0.003
0.0533	0.316	0.006	0.000	0.003
0.0711	0.316	0.009	0.000	0.003
0.0889	0.316	0.011	0.000	0.003
0.1067	0.316	0.013	0.000	0.003
0.1244	0.316	0.015	0.000	0.003
0.1422	0.316	0.018	0.000	0.003
0.1600	0.316	0.020	0.000	0.003
0.1778	0.316	0.022	0.000	0.003
0.1956	0.316	0.024	0.000	0.003
0.2133	0.316	0.027	0.000	0.003
0.2311	0.316	0.029	0.000	0.003
0.2489	0.316	0.031	0.000	0.003
0.2667	0.316	0.033	0.000	0.003
0.2844	0.316	0.036	0.000	0.003
0.3022	0.316	0.038	0.000	0.003
0.3200	0.316	0.040	0.000	0.003
0.3378	0.316	0.042	0.000	0.003
0.3556	0.316	0.045	0.000	0.003
0.3733	0.316	0.047	0.000	0.003
0.3911	0.316	0.049	0.000	0.003
0.4089	0.316	0.051	0.000	0.003
0.4267	0.316	0.053	0.000	0.003
0.4444	0.316	0.056	0.000	0.003
0.4622	0.316	0.058	0.000	0.003
0.4800	0.316	0.060	0.000	0.003
0.4978	0.316	0.062	0.000	0.003
0.5156	0.316	0.065	0.000	0.003

0.5333	0.316	0.067	0.000	0.003
0.5511	0.316	0.069	0.000	0.003
0.5689	0.316	0.071	0.000	0.003
0.5867	0.316	0.074	0.000	0.003
0.6044	0.316	0.076	0.000	0.003
0.6222	0.316	0.078	0.000	0.003
0.6400	0.316	0.080	0.000	0.003
0.6578	0.316	0.083	0.000	0.003
0.6756	0.316	0.085	0.000	0.003
0.6933	0.316	0.087	0.000	0.003
0.7111	0.316	0.089	0.000	0.003
0.7289	0.316	0.092	0.000	0.003
0.7467	0.316	0.094	0.000	0.003
0.7644	0.316	0.096	0.000	0.003
0.7822	0.316	0.098	0.000	0.003
0.8000	0.316	0.101	0.000	0.003
0.8178	0.316	0.103	0.000	0.003
0.8356	0.316	0.105	0.000	0.003
0.8533	0.316	0.107	0.000	0.003
0.8711	0.316	0.110	0.000	0.003
0.8889	0.316	0.112	0.000	0.003
0.9067	0.316	0.114	0.000	0.003
0.9244	0.316	0.116	0.000	0.003
0.9422	0.316	0.119	0.000	0.003
0.9600	0.316	0.121	0.000	0.003
0.9778	0.316	0.123	0.000	0.003
0.9956	0.316	0.125	0.000	0.003
1.0133	0.316	0.128	0.112	0.003
1.0311	0.316	0.130	0.172	0.003
1.0489	0.316	0.132	0.216	0.003
1.0667	0.316	0.134	0.252	0.003
1.0844	0.316	0.137	0.283	0.003
1.1022	0.316	0.139	0.312	0.003
1.1200	0.316	0.141	0.338	0.003
1.1378	0.316	0.143	0.362	0.003
1.1556	0.316	0.146	0.385	0.003
1.1733	0.316	0.148	0.406	0.003
1.1911	0.316	0.150	0.427	0.003
1.2089	0.316	0.152	0.446	0.003
1.2267	0.316	0.155	0.465	0.003
1.2444	0.316	0.157	0.483	0.003
1.2622	0.316	0.159	0.500	0.003
1.2800	0.316	0.161	0.516	0.003
1.2978	0.316	0.164	0.533	0.003
1.3156	0.316	0.166	0.548	0.003
1.3333	0.316	0.168	0.564	0.003
1.3511	0.316	0.170	0.578	0.003
1.3689	0.316	0.173	0.593	0.003
1.3867	0.316	0.175	0.607	0.003
1.4044	0.316	0.177	0.621	0.003
1.4222	0.316	0.179	0.634	0.003
1.4400	0.316	0.182	0.648	0.003
1.4578	0.316	0.184	0.661	0.003
1.4756	0.316	0.186	0.673	0.003
1.4933	0.316	0.188	0.686	0.003
1.5111	0.316	0.191	0.698	0.003
1.5289	0.316	0.193	0.710	0.003
1.5467	0.316	0.195	0.722	0.003

1.5644	0.316	0.197	0.734	0.003
1.5822	0.316	0.200	0.745	0.003
1.6000	0.316	0.202	0.756	0.003

Porous Pavement 206

Pavement Area: 0.1774 acre. Pavement Length: 87.90 ft.
 Pavement Width: 87.90 ft.
 Pavement slope 1:0.01 To 1
 Pavement thickness: 0.5
 Pour Space of Pavement: 0.1
 Material thickness of second layer: 2
 Pour Space of material for second layer: 0.4
 Material thickness of third layer: 0
 Pour Space of material for third layer: 0
 Infiltration On
 Infiltration rate: 0.02
 Infiltration safety factor: 0.5
 Wetted surface area On
 Total Volume Infiltrated (ac-ft.): 4.202
 Total Volume Through Riser (ac-ft.): 0.031
 Total Volume Through Facility (ac-ft.): 4.233
 Percent Infiltrated: 99.27
 Total Precip Applied to Facility: 0
 Total Evap From Facility: 1.423
 Element Flows To:
 Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.177	0.000	0.000	0.000
0.0178	0.177	0.001	0.000	0.001
0.0356	0.177	0.002	0.000	0.001
0.0533	0.177	0.003	0.000	0.001
0.0711	0.177	0.005	0.000	0.001
0.0889	0.177	0.006	0.000	0.001
0.1067	0.177	0.007	0.000	0.001
0.1244	0.177	0.008	0.000	0.001
0.1422	0.177	0.010	0.000	0.001
0.1600	0.177	0.011	0.000	0.001
0.1778	0.177	0.012	0.000	0.001
0.1956	0.177	0.013	0.000	0.001
0.2133	0.177	0.015	0.000	0.001
0.2311	0.177	0.016	0.000	0.001
0.2489	0.177	0.017	0.000	0.001
0.2667	0.177	0.018	0.000	0.001
0.2844	0.177	0.020	0.000	0.001
0.3022	0.177	0.021	0.000	0.001
0.3200	0.177	0.022	0.000	0.001
0.3378	0.177	0.024	0.000	0.001
0.3556	0.177	0.025	0.000	0.001
0.3733	0.177	0.026	0.000	0.001
0.3911	0.177	0.027	0.000	0.001
0.4089	0.177	0.029	0.000	0.001
0.4267	0.177	0.030	0.000	0.001
0.4444	0.177	0.031	0.000	0.001
0.4622	0.177	0.032	0.000	0.001
0.4800	0.177	0.034	0.000	0.001
0.4978	0.177	0.035	0.000	0.001
0.5156	0.177	0.036	0.000	0.001

0.5333	0.177	0.037	0.000	0.001
0.5511	0.177	0.039	0.000	0.001
0.5689	0.177	0.040	0.000	0.001
0.5867	0.177	0.041	0.000	0.001
0.6044	0.177	0.042	0.000	0.001
0.6222	0.177	0.044	0.000	0.001
0.6400	0.177	0.045	0.000	0.001
0.6578	0.177	0.046	0.000	0.001
0.6756	0.177	0.047	0.000	0.001
0.6933	0.177	0.049	0.000	0.001
0.7111	0.177	0.050	0.000	0.001
0.7289	0.177	0.051	0.000	0.001
0.7467	0.177	0.053	0.000	0.001
0.7644	0.177	0.054	0.000	0.001
0.7822	0.177	0.055	0.000	0.001
0.8000	0.177	0.056	0.000	0.001
0.8178	0.177	0.058	0.000	0.001
0.8356	0.177	0.059	0.000	0.001
0.8533	0.177	0.060	0.000	0.001
0.8711	0.177	0.061	0.000	0.001
0.8889	0.177	0.063	0.000	0.001
0.9067	0.177	0.064	0.000	0.001
0.9244	0.177	0.065	0.000	0.001
0.9422	0.177	0.066	0.000	0.001
0.9600	0.177	0.068	0.000	0.001
0.9778	0.177	0.069	0.000	0.001
0.9956	0.177	0.070	0.000	0.001
1.0133	0.177	0.071	0.112	0.001
1.0311	0.177	0.073	0.172	0.001
1.0489	0.177	0.074	0.216	0.001
1.0667	0.177	0.075	0.252	0.001
1.0844	0.177	0.077	0.283	0.001
1.1022	0.177	0.078	0.312	0.001
1.1200	0.177	0.079	0.338	0.001
1.1378	0.177	0.080	0.362	0.001
1.1556	0.177	0.082	0.385	0.001
1.1733	0.177	0.083	0.406	0.001
1.1911	0.177	0.084	0.427	0.001
1.2089	0.177	0.085	0.446	0.001
1.2267	0.177	0.087	0.465	0.001
1.2444	0.177	0.088	0.483	0.001
1.2622	0.177	0.089	0.500	0.001
1.2800	0.177	0.090	0.516	0.001
1.2978	0.177	0.092	0.533	0.001
1.3156	0.177	0.093	0.548	0.001
1.3333	0.177	0.094	0.564	0.001
1.3511	0.177	0.095	0.578	0.001
1.3689	0.177	0.097	0.593	0.001
1.3867	0.177	0.098	0.607	0.001
1.4044	0.177	0.099	0.621	0.001
1.4222	0.177	0.100	0.634	0.001
1.4400	0.177	0.102	0.648	0.001
1.4578	0.177	0.103	0.661	0.001
1.4756	0.177	0.104	0.673	0.001
1.4933	0.177	0.106	0.686	0.001
1.5111	0.177	0.107	0.698	0.001
1.5289	0.177	0.108	0.710	0.001
1.5467	0.177	0.109	0.722	0.001

1.5644	0.177	0.111	0.734	0.001
1.5822	0.177	0.112	0.745	0.001
1.6000	0.177	0.113	0.756	0.001

IMP 208

Bottom Length:	23.67 ft.
Bottom Width:	18.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	0.253
Total Volume Through Riser (ac-ft.):	0.029
Total Volume Through Facility (ac-ft.):	0.393
Percent Infiltrated:	64.38
Total Precip Applied to Facility:	0.301
Total Evap From Facility:	0.17
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.2
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	0.111
Total Outflow (ac-ft.):	0.393
Percent Through Underdrain:	28.24
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0098	0.0000	0.0000	0.0000
0.0495	0.0098	0.0002	0.0000	0.0000
0.0989	0.0098	0.0004	0.0000	0.0000
0.1484	0.0098	0.0006	0.0000	0.0000
0.1978	0.0098	0.0008	0.0002	0.0002
0.2473	0.0098	0.0010	0.0002	0.0002
0.2967	0.0098	0.0012	0.0002	0.0002
0.3462	0.0098	0.0014	0.0002	0.0002
0.3956	0.0098	0.0016	0.0002	0.0002
0.4451	0.0098	0.0018	0.0002	0.0002
0.4945	0.0098	0.0020	0.0002	0.0002
0.5440	0.0098	0.0022	0.0002	0.0002
0.5934	0.0098	0.0024	0.0002	0.0002
0.6429	0.0098	0.0026	0.0002	0.0002
0.6923	0.0098	0.0028	0.0002	0.0002
0.7418	0.0098	0.0030	0.0002	0.0002
0.7912	0.0098	0.0033	0.0002	0.0002
0.8407	0.0098	0.0035	0.0002	0.0002
0.8901	0.0098	0.0037	0.0002	0.0002
0.9396	0.0098	0.0039	0.0002	0.0002
0.9890	0.0098	0.0041	0.0002	0.0002
1.0385	0.0098	0.0043	0.0002	0.0002

1.0879	0.0098	0.0045	0.0002	0.0002
1.1374	0.0098	0.0047	0.0002	0.0002
1.1868	0.0098	0.0049	0.0002	0.0002
1.2363	0.0098	0.0051	0.0002	0.0002
1.2857	0.0098	0.0053	0.0002	0.0002
1.3352	0.0098	0.0055	0.0002	0.0002
1.3846	0.0098	0.0057	0.0002	0.0002
1.4341	0.0098	0.0059	0.0002	0.0002
1.4835	0.0098	0.0061	0.0002	0.0002
1.5330	0.0098	0.0063	0.0002	0.0002
1.5824	0.0098	0.0065	0.0002	0.0002
1.6319	0.0098	0.0067	0.0002	0.0002
1.6813	0.0098	0.0069	0.0002	0.0002
1.7308	0.0098	0.0071	0.0002	0.0002
1.7802	0.0098	0.0073	0.0002	0.0002
1.8297	0.0098	0.0075	0.0002	0.0002
1.8791	0.0098	0.0077	0.0002	0.0002
1.9286	0.0098	0.0079	0.0002	0.0002
1.9780	0.0098	0.0081	0.0002	0.0002
2.0275	0.0098	0.0083	0.0002	0.0002
2.0769	0.0098	0.0085	0.0002	0.0002
2.1264	0.0098	0.0087	0.0002	0.0002
2.1758	0.0098	0.0089	0.0002	0.0002
2.2253	0.0098	0.0091	0.0002	0.0002
2.2747	0.0098	0.0093	0.0002	0.0002
2.3242	0.0098	0.0095	0.0002	0.0002
2.3736	0.0098	0.0097	0.0002	0.0002
2.4231	0.0098	0.0099	0.0002	0.0002
2.4725	0.0098	0.0101	0.0002	0.0002
2.5220	0.0098	0.0103	0.0002	0.0002
2.5714	0.0098	0.0105	0.0002	0.0002
2.6209	0.0098	0.0107	0.0002	0.0002
2.6703	0.0098	0.0109	0.0002	0.0002
2.7198	0.0098	0.0111	0.0002	0.0002
2.7692	0.0098	0.0113	0.0002	0.0002
2.8187	0.0098	0.0115	0.0002	0.0002
2.8681	0.0098	0.0117	0.0002	0.0002
2.9176	0.0098	0.0119	0.0002	0.0002
2.9670	0.0098	0.0121	0.0002	0.0002
3.0165	0.0098	0.0123	0.0002	0.0002
3.0659	0.0098	0.0125	0.0002	0.0002
3.1154	0.0098	0.0127	0.0002	0.0002
3.1648	0.0098	0.0129	0.0002	0.0002
3.2143	0.0098	0.0131	0.0002	0.0002
3.2637	0.0098	0.0133	0.0002	0.0002
3.3132	0.0098	0.0135	0.0002	0.0002
3.3626	0.0098	0.0137	0.0002	0.0002
3.4121	0.0098	0.0139	0.0002	0.0002
3.4615	0.0098	0.0141	0.0002	0.0002
3.5000	0.0098	0.0143	0.0002	0.0002

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.5000	0.0098	0.0143	0.0000	0.0014	0.0000
3.5495	0.0098	0.0148	0.0000	0.0014	0.0000
3.5989	0.0098	0.0153	0.0000	0.0014	0.0000
3.6484	0.0098	0.0158	0.0000	0.0014	0.0000
3.6978	0.0098	0.0162	0.0000	0.0014	0.0000

3.7473	0.0098	0.0167	0.0000	0.0014	0.0000
3.7967	0.0098	0.0172	0.0000	0.0014	0.0000
3.8462	0.0098	0.0177	0.0000	0.0014	0.0000
3.8956	0.0098	0.0182	0.0000	0.0014	0.0000
3.9451	0.0098	0.0187	0.0000	0.0014	0.0000
3.9945	0.0098	0.0191	0.0000	0.0014	0.0000
4.0440	0.0098	0.0196	0.0000	0.0014	0.0000
4.0934	0.0098	0.0201	0.0000	0.0014	0.0000
4.1429	0.0098	0.0206	0.0000	0.0014	0.0000
4.1923	0.0098	0.0211	0.0000	0.0014	0.0000
4.2418	0.0098	0.0216	0.0000	0.0014	0.0000
4.2912	0.0098	0.0220	0.0000	0.0014	0.0000
4.3407	0.0098	0.0225	0.0000	0.0014	0.0000
4.3901	0.0098	0.0230	0.0000	0.0014	0.0000
4.4396	0.0098	0.0235	0.0000	0.0014	0.0000
4.4890	0.0098	0.0240	0.0000	0.0014	0.0000
4.5000	0.0098	0.0241	0.0000	0.0014	0.0000

IMP 208 Surface08

Element Flows To:

Outlet 1

Outlet 2

IMP 208

IMP 210

Bottom Length:	89.40 ft.
Bottom Width:	65.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	16.443
Total Volume Through Riser (ac-ft.):	2.852
Total Volume Through Facility (ac-ft.):	36.507
Percent Infiltrated:	45.04
Total Precip Applied to Facility:	4.172
Total Evap From Facility:	4.326
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	1
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	17.212
Total Outflow (ac-ft.):	36.507
Percent Through Underdrain:	47.15
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.1334	0.0000	0.0000	0.0000
0.0495	0.1334	0.0028	0.0000	0.0000
0.0989	0.1334	0.0055	0.0000	0.0000
0.1484	0.1334	0.0083	0.0000	0.0000
0.1978	0.1334	0.0111	0.0027	0.0027
0.2473	0.1334	0.0139	0.0027	0.0027
0.2967	0.1334	0.0166	0.0027	0.0027
0.3462	0.1334	0.0194	0.0027	0.0027
0.3956	0.1334	0.0222	0.0027	0.0027
0.4451	0.1334	0.0249	0.0027	0.0027
0.4945	0.1334	0.0277	0.0027	0.0027
0.5440	0.1334	0.0305	0.0027	0.0027
0.5934	0.1334	0.0332	0.0027	0.0027
0.6429	0.1334	0.0360	0.0027	0.0027
0.6923	0.1334	0.0388	0.0027	0.0027
0.7418	0.1334	0.0416	0.0027	0.0027
0.7912	0.1334	0.0443	0.0027	0.0027
0.8407	0.1334	0.0471	0.0027	0.0027
0.8901	0.1334	0.0499	0.0027	0.0027
0.9396	0.1334	0.0526	0.0027	0.0027
0.9890	0.1334	0.0554	0.0027	0.0027
1.0385	0.1334	0.0582	0.0027	0.0027

1.0879	0.1334	0.0610	0.0027	0.0027
1.1374	0.1334	0.0637	0.0027	0.0027
1.1868	0.1334	0.0665	0.0027	0.0027
1.2363	0.1334	0.0693	0.0027	0.0027
1.2857	0.1334	0.0720	0.0027	0.0027
1.3352	0.1334	0.0748	0.0027	0.0027
1.3846	0.1334	0.0776	0.0027	0.0027
1.4341	0.1334	0.0803	0.0027	0.0027
1.4835	0.1334	0.0831	0.0027	0.0027
1.5330	0.1334	0.0859	0.0027	0.0027
1.5824	0.1334	0.0887	0.0027	0.0027
1.6319	0.1334	0.0914	0.0027	0.0027
1.6813	0.1334	0.0942	0.0027	0.0027
1.7308	0.1334	0.0970	0.0027	0.0027
1.7802	0.1334	0.0997	0.0027	0.0027
1.8297	0.1334	0.1025	0.0027	0.0027
1.8791	0.1334	0.1053	0.0027	0.0027
1.9286	0.1334	0.1081	0.0027	0.0027
1.9780	0.1334	0.1108	0.0027	0.0027
2.0275	0.1334	0.1136	0.0027	0.0027
2.0769	0.1334	0.1163	0.0027	0.0027
2.1264	0.1334	0.1190	0.0027	0.0027
2.1758	0.1334	0.1218	0.0027	0.0027
2.2253	0.1334	0.1245	0.0027	0.0027
2.2747	0.1334	0.1273	0.0027	0.0027
2.3242	0.1334	0.1300	0.0027	0.0027
2.3736	0.1334	0.1327	0.0027	0.0027
2.4231	0.1334	0.1355	0.0027	0.0027
2.4725	0.1334	0.1382	0.0027	0.0027
2.5220	0.1334	0.1409	0.0027	0.0027
2.5714	0.1334	0.1437	0.0027	0.0027
2.6209	0.1334	0.1464	0.0027	0.0027
2.6703	0.1334	0.1492	0.0027	0.0027
2.7198	0.1334	0.1519	0.0027	0.0027
2.7692	0.1334	0.1546	0.0027	0.0027
2.8187	0.1334	0.1574	0.0027	0.0027
2.8681	0.1334	0.1601	0.0027	0.0027
2.9176	0.1334	0.1628	0.0027	0.0027
2.9670	0.1334	0.1656	0.0027	0.0027
3.0165	0.1334	0.1683	0.0027	0.0027
3.0659	0.1334	0.1711	0.0027	0.0027
3.1154	0.1334	0.1738	0.0027	0.0027
3.1648	0.1334	0.1765	0.0027	0.0027
3.2143	0.1334	0.1793	0.0027	0.0027
3.2637	0.1334	0.1820	0.0027	0.0027
3.3132	0.1334	0.1847	0.0027	0.0027
3.3626	0.1334	0.1875	0.0027	0.0027
3.4121	0.1334	0.1902	0.0027	0.0027
3.4615	0.1334	0.1930	0.0027	0.0027
3.5000	0.1334	0.1951	0.0027	0.0027

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.5000	0.1334	0.1951	0.0000	0.0328	0.0000
3.5495	0.1334	0.2017	0.0000	0.0328	0.0000
3.5989	0.1334	0.2083	0.0000	0.0328	0.0000
3.6484	0.1334	0.2149	0.0000	0.0328	0.0000
3.6978	0.1334	0.2215	0.0000	0.0328	0.0000

3.7473	0.1334	0.2281	0.0000	0.0328	0.0000
3.7967	0.1334	0.2347	0.0000	0.0328	0.0000
3.8462	0.1334	0.2413	0.0000	0.0328	0.0000
3.8956	0.1334	0.2479	0.0000	0.0328	0.0000
3.9451	0.1334	0.2545	0.0000	0.0328	0.0000
3.9945	0.1334	0.2611	0.0000	0.0328	0.0000
4.0440	0.1334	0.2677	0.0000	0.0328	0.0000
4.0934	0.1334	0.2742	0.0000	0.0328	0.0000
4.1429	0.1334	0.2808	0.0000	0.0328	0.0000
4.1923	0.1334	0.2874	0.0000	0.0328	0.0000
4.2418	0.1334	0.2940	0.0000	0.0328	0.0000
4.2912	0.1334	0.3006	0.0000	0.0328	0.0000
4.3407	0.1334	0.3072	0.0000	0.0328	0.0000
4.3901	0.1334	0.3138	0.0000	0.0328	0.0000
4.4396	0.1334	0.3204	0.0000	0.0328	0.0000
4.4890	0.1334	0.3270	0.0000	0.0328	0.0000
4.5000	0.1334	0.3285	0.0000	0.0328	0.0000

IMP 210 Surface10

Element Flows To:

Outlet 1

Outlet 2
IMP 210

IMP 209

Bottom Length:	18.00 ft.
Bottom Width:	16.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	0.81
Total Volume Through Riser (ac-ft.):	0.121
Total Volume Through Facility (ac-ft.):	2.339
Percent Infiltrated:	34.63
Total Precip Applied to Facility:	0.201
Total Evap From Facility:	0.211
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.4
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	1.408
Total Outflow (ac-ft.):	2.339
Percent Through Underdrain:	60.2
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0066	0.0000	0.0000	0.0000
0.0495	0.0066	0.0001	0.0000	0.0000
0.0989	0.0066	0.0003	0.0000	0.0000
0.1484	0.0066	0.0004	0.0000	0.0000
0.1978	0.0066	0.0005	0.0001	0.0001
0.2473	0.0066	0.0007	0.0001	0.0001
0.2967	0.0066	0.0008	0.0001	0.0001
0.3462	0.0066	0.0010	0.0001	0.0001
0.3956	0.0066	0.0011	0.0001	0.0001
0.4451	0.0066	0.0012	0.0001	0.0001
0.4945	0.0066	0.0014	0.0001	0.0001
0.5440	0.0066	0.0015	0.0001	0.0001
0.5934	0.0066	0.0016	0.0001	0.0001
0.6429	0.0066	0.0018	0.0001	0.0001
0.6923	0.0066	0.0019	0.0001	0.0001
0.7418	0.0066	0.0021	0.0001	0.0001
0.7912	0.0066	0.0022	0.0001	0.0001
0.8407	0.0066	0.0023	0.0001	0.0001
0.8901	0.0066	0.0025	0.0001	0.0001
0.9396	0.0066	0.0026	0.0001	0.0001
0.9890	0.0066	0.0027	0.0001	0.0001
1.0385	0.0066	0.0029	0.0001	0.0001

1.0879	0.0066	0.0030	0.0001	0.0001
1.1374	0.0066	0.0032	0.0001	0.0001
1.1868	0.0066	0.0033	0.0001	0.0001
1.2363	0.0066	0.0034	0.0001	0.0001
1.2857	0.0066	0.0036	0.0001	0.0001
1.3352	0.0066	0.0037	0.0001	0.0001
1.3846	0.0066	0.0038	0.0001	0.0001
1.4341	0.0066	0.0040	0.0001	0.0001
1.4835	0.0066	0.0041	0.0001	0.0001
1.5330	0.0066	0.0043	0.0001	0.0001
1.5824	0.0066	0.0044	0.0001	0.0001
1.6319	0.0066	0.0045	0.0001	0.0001
1.6813	0.0066	0.0047	0.0001	0.0001
1.7308	0.0066	0.0048	0.0001	0.0001
1.7802	0.0066	0.0049	0.0001	0.0001
1.8297	0.0066	0.0051	0.0001	0.0001
1.8791	0.0066	0.0052	0.0001	0.0001
1.9286	0.0066	0.0054	0.0001	0.0001
1.9780	0.0066	0.0055	0.0001	0.0001
2.0275	0.0066	0.0056	0.0001	0.0001
2.0769	0.0066	0.0058	0.0001	0.0001
2.1264	0.0066	0.0059	0.0001	0.0001
2.1758	0.0066	0.0060	0.0001	0.0001
2.2253	0.0066	0.0062	0.0001	0.0001
2.2747	0.0066	0.0063	0.0001	0.0001
2.3242	0.0066	0.0064	0.0001	0.0001
2.3736	0.0066	0.0066	0.0001	0.0001
2.4231	0.0066	0.0067	0.0001	0.0001
2.4725	0.0066	0.0068	0.0001	0.0001
2.5220	0.0066	0.0070	0.0001	0.0001
2.5714	0.0066	0.0071	0.0001	0.0001
2.6209	0.0066	0.0073	0.0001	0.0001
2.6703	0.0066	0.0074	0.0001	0.0001
2.7198	0.0066	0.0075	0.0001	0.0001
2.7692	0.0066	0.0077	0.0001	0.0001
2.8187	0.0066	0.0078	0.0001	0.0001
2.8681	0.0066	0.0079	0.0001	0.0001
2.9176	0.0066	0.0081	0.0001	0.0001
2.9670	0.0066	0.0082	0.0001	0.0001
3.0165	0.0066	0.0083	0.0001	0.0001
3.0659	0.0066	0.0085	0.0001	0.0001
3.1154	0.0066	0.0086	0.0001	0.0001
3.1648	0.0066	0.0087	0.0001	0.0001
3.2143	0.0066	0.0089	0.0001	0.0001
3.2637	0.0066	0.0090	0.0001	0.0001
3.3132	0.0066	0.0092	0.0001	0.0001
3.3626	0.0066	0.0093	0.0001	0.0001
3.4121	0.0066	0.0094	0.0001	0.0001
3.4615	0.0066	0.0096	0.0001	0.0001
3.5000	0.0066	0.0097	0.0001	0.0001

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.5000	0.0066	0.0097	0.0000	0.0050	0.0000
3.5495	0.0066	0.0100	0.0000	0.0050	0.0000
3.5989	0.0066	0.0103	0.0000	0.0050	0.0000
3.6484	0.0066	0.0106	0.0000	0.0050	0.0000
3.6978	0.0066	0.0110	0.0000	0.0050	0.0000

3.7473	0.0066	0.0113	0.0000	0.0050	0.0000
3.7967	0.0066	0.0116	0.0000	0.0050	0.0000
3.8462	0.0066	0.0120	0.0000	0.0050	0.0000
3.8956	0.0066	0.0123	0.0000	0.0050	0.0000
3.9451	0.0066	0.0126	0.0000	0.0050	0.0000
3.9945	0.0066	0.0129	0.0000	0.0050	0.0000
4.0440	0.0066	0.0133	0.0000	0.0050	0.0000
4.0934	0.0066	0.0136	0.0000	0.0050	0.0000
4.1429	0.0066	0.0139	0.0000	0.0050	0.0000
4.1923	0.0066	0.0142	0.0000	0.0050	0.0000
4.2418	0.0066	0.0146	0.0000	0.0050	0.0000
4.2912	0.0066	0.0149	0.0000	0.0050	0.0000
4.3407	0.0066	0.0152	0.0000	0.0050	0.0000
4.3901	0.0066	0.0156	0.0000	0.0050	0.0000
4.4396	0.0066	0.0159	0.0000	0.0050	0.0000
4.4890	0.0066	0.0162	0.0000	0.0050	0.0000
4.5000	0.0066	0.0163	0.0000	0.0050	0.0000

IMP 209 Surface09

Element Flows To:

Outlet 1

Outlet 2

IMP 209

IMP 211

Bottom Length:	100.00 ft.
Bottom Width:	21.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	5.638
Total Volume Through Riser (ac-ft.):	0.643
Total Volume Through Facility (ac-ft.):	11.506
Percent Infiltrated:	49
Total Precip Applied to Facility:	1.53
Total Evap From Facility:	1.531
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.6
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	5.225
Total Outflow (ac-ft.):	11.506
Percent Through Underdrain:	45.41
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0482	0.0000	0.0000	0.0000
0.0495	0.0482	0.0010	0.0000	0.0000
0.0989	0.0482	0.0020	0.0000	0.0000
0.1484	0.0482	0.0030	0.0000	0.0000
0.1978	0.0482	0.0040	0.0010	0.0010
0.2473	0.0482	0.0050	0.0010	0.0010
0.2967	0.0482	0.0060	0.0010	0.0010
0.3462	0.0482	0.0070	0.0010	0.0010
0.3956	0.0482	0.0080	0.0010	0.0010
0.4451	0.0482	0.0090	0.0010	0.0010
0.4945	0.0482	0.0100	0.0010	0.0010
0.5440	0.0482	0.0110	0.0010	0.0010
0.5934	0.0482	0.0120	0.0010	0.0010
0.6429	0.0482	0.0130	0.0010	0.0010
0.6923	0.0482	0.0140	0.0010	0.0010
0.7418	0.0482	0.0150	0.0010	0.0010
0.7912	0.0482	0.0160	0.0010	0.0010
0.8407	0.0482	0.0170	0.0010	0.0010
0.8901	0.0482	0.0180	0.0010	0.0010
0.9396	0.0482	0.0190	0.0010	0.0010
0.9890	0.0482	0.0200	0.0010	0.0010
1.0385	0.0482	0.0210	0.0010	0.0010

1.0879	0.0482	0.0220	0.0010	0.0010
1.1374	0.0482	0.0230	0.0010	0.0010
1.1868	0.0482	0.0240	0.0010	0.0010
1.2363	0.0482	0.0250	0.0010	0.0010
1.2857	0.0482	0.0260	0.0010	0.0010
1.3352	0.0482	0.0270	0.0010	0.0010
1.3846	0.0482	0.0280	0.0010	0.0010
1.4341	0.0482	0.0290	0.0010	0.0010
1.4835	0.0482	0.0300	0.0010	0.0010
1.5330	0.0482	0.0310	0.0010	0.0010
1.5824	0.0482	0.0320	0.0010	0.0010
1.6319	0.0482	0.0330	0.0010	0.0010
1.6813	0.0482	0.0340	0.0010	0.0010
1.7308	0.0482	0.0350	0.0010	0.0010
1.7802	0.0482	0.0360	0.0010	0.0010
1.8297	0.0482	0.0370	0.0010	0.0010
1.8791	0.0482	0.0380	0.0010	0.0010
1.9286	0.0482	0.0390	0.0010	0.0010
1.9780	0.0482	0.0401	0.0010	0.0010
2.0275	0.0482	0.0410	0.0010	0.0010
2.0769	0.0482	0.0420	0.0010	0.0010
2.1264	0.0482	0.0430	0.0010	0.0010
2.1758	0.0482	0.0440	0.0010	0.0010
2.2253	0.0482	0.0450	0.0010	0.0010
2.2747	0.0482	0.0460	0.0010	0.0010
2.3242	0.0482	0.0470	0.0010	0.0010
2.3736	0.0482	0.0480	0.0010	0.0010
2.4231	0.0482	0.0490	0.0010	0.0010
2.4725	0.0482	0.0499	0.0010	0.0010
2.5220	0.0482	0.0509	0.0010	0.0010
2.5714	0.0482	0.0519	0.0010	0.0010
2.6209	0.0482	0.0529	0.0010	0.0010
2.6703	0.0482	0.0539	0.0010	0.0010
2.7198	0.0482	0.0549	0.0010	0.0010
2.7692	0.0482	0.0559	0.0010	0.0010
2.8187	0.0482	0.0569	0.0010	0.0010
2.8681	0.0482	0.0579	0.0010	0.0010
2.9176	0.0482	0.0588	0.0010	0.0010
2.9670	0.0482	0.0598	0.0010	0.0010
3.0165	0.0482	0.0608	0.0010	0.0010
3.0659	0.0482	0.0618	0.0010	0.0010
3.1154	0.0482	0.0628	0.0010	0.0010
3.1648	0.0482	0.0638	0.0010	0.0010
3.2143	0.0482	0.0648	0.0010	0.0010
3.2637	0.0482	0.0658	0.0010	0.0010
3.3132	0.0482	0.0668	0.0010	0.0010
3.3626	0.0482	0.0678	0.0010	0.0010
3.4121	0.0482	0.0687	0.0010	0.0010
3.4615	0.0482	0.0697	0.0010	0.0010
3.5000	0.0482	0.0705	0.0010	0.0010

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.5000	0.0482	0.0705	0.0000	0.0118	0.0000
3.5495	0.0482	0.0729	0.0000	0.0118	0.0000
3.5989	0.0482	0.0753	0.0000	0.0118	0.0000
3.6484	0.0482	0.0777	0.0000	0.0118	0.0000
3.6978	0.0482	0.0800	0.0000	0.0118	0.0000

3.7473	0.0482	0.0824	0.0000	0.0118	0.0000
3.7967	0.0482	0.0848	0.0000	0.0118	0.0000
3.8462	0.0482	0.0872	0.0000	0.0118	0.0000
3.8956	0.0482	0.0896	0.0000	0.0118	0.0000
3.9451	0.0482	0.0920	0.0000	0.0118	0.0000
3.9945	0.0482	0.0943	0.0000	0.0118	0.0000
4.0440	0.0482	0.0967	0.0000	0.0118	0.0000
4.0934	0.0482	0.0991	0.0000	0.0118	0.0000
4.1429	0.0482	0.1015	0.0000	0.0118	0.0000
4.1923	0.0482	0.1039	0.0000	0.0118	0.0000
4.2418	0.0482	0.1063	0.0000	0.0118	0.0000
4.2912	0.0482	0.1086	0.0000	0.0118	0.0000
4.3407	0.0482	0.1110	0.0000	0.0118	0.0000
4.3901	0.0482	0.1134	0.0000	0.0118	0.0000
4.4396	0.0482	0.1158	0.0000	0.0118	0.0000
4.4890	0.0482	0.1182	0.0000	0.0118	0.0000
4.5000	0.0482	0.1187	0.0000	0.0118	0.0000

IMP 211 Surface11

Element Flows To:

Outlet 1

Outlet 2

IMP 211

IMP 201

Bottom Length:	18.00 ft.
Bottom Width:	26.60 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	1.199
Total Volume Through Riser (ac-ft.):	0.069
Total Volume Through Facility (ac-ft.):	2.271
Percent Infiltrated:	52.8
Total Precip Applied to Facility:	0.346
Total Evap From Facility:	0.337
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.3
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	1.003
Total Outflow (ac-ft.):	2.271
Percent Through Underdrain:	44.17
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0110	0.0000	0.0000	0.0000
0.0495	0.0110	0.0002	0.0000	0.0000
0.0989	0.0110	0.0005	0.0000	0.0000
0.1484	0.0110	0.0007	0.0000	0.0000
0.1978	0.0110	0.0009	0.0002	0.0002
0.2473	0.0110	0.0011	0.0002	0.0002
0.2967	0.0110	0.0014	0.0002	0.0002
0.3462	0.0110	0.0016	0.0002	0.0002
0.3956	0.0110	0.0018	0.0002	0.0002
0.4451	0.0110	0.0021	0.0002	0.0002
0.4945	0.0110	0.0023	0.0002	0.0002
0.5440	0.0110	0.0025	0.0002	0.0002
0.5934	0.0110	0.0027	0.0002	0.0002
0.6429	0.0110	0.0030	0.0002	0.0002
0.6923	0.0110	0.0032	0.0002	0.0002
0.7418	0.0110	0.0034	0.0002	0.0002
0.7912	0.0110	0.0037	0.0002	0.0002
0.8407	0.0110	0.0039	0.0002	0.0002
0.8901	0.0110	0.0041	0.0002	0.0002
0.9396	0.0110	0.0043	0.0002	0.0002
0.9890	0.0110	0.0046	0.0002	0.0002
1.0385	0.0110	0.0048	0.0002	0.0002

1.0879	0.0110	0.0050	0.0002	0.0002
1.1374	0.0110	0.0053	0.0002	0.0002
1.1868	0.0110	0.0055	0.0002	0.0002
1.2363	0.0110	0.0057	0.0002	0.0002
1.2857	0.0110	0.0059	0.0002	0.0002
1.3352	0.0110	0.0062	0.0002	0.0002
1.3846	0.0110	0.0064	0.0002	0.0002
1.4341	0.0110	0.0066	0.0002	0.0002
1.4835	0.0110	0.0068	0.0002	0.0002
1.5330	0.0110	0.0071	0.0002	0.0002
1.5824	0.0110	0.0073	0.0002	0.0002
1.6319	0.0110	0.0075	0.0002	0.0002
1.6813	0.0110	0.0078	0.0002	0.0002
1.7308	0.0110	0.0080	0.0002	0.0002
1.7802	0.0110	0.0082	0.0002	0.0002
1.8297	0.0110	0.0084	0.0002	0.0002
1.8791	0.0110	0.0087	0.0002	0.0002
1.9286	0.0110	0.0089	0.0002	0.0002
1.9780	0.0110	0.0091	0.0002	0.0002
2.0275	0.0110	0.0094	0.0002	0.0002
2.0769	0.0110	0.0096	0.0002	0.0002
2.1264	0.0110	0.0098	0.0002	0.0002
2.1758	0.0110	0.0100	0.0002	0.0002
2.2253	0.0110	0.0103	0.0002	0.0002
2.2747	0.0110	0.0105	0.0002	0.0002
2.3242	0.0110	0.0107	0.0002	0.0002
2.3736	0.0110	0.0109	0.0002	0.0002
2.4231	0.0110	0.0112	0.0002	0.0002
2.4725	0.0110	0.0114	0.0002	0.0002
2.5220	0.0110	0.0116	0.0002	0.0002
2.5714	0.0110	0.0118	0.0002	0.0002
2.6209	0.0110	0.0121	0.0002	0.0002
2.6703	0.0110	0.0123	0.0002	0.0002
2.7198	0.0110	0.0125	0.0002	0.0002
2.7692	0.0110	0.0127	0.0002	0.0002
2.8187	0.0110	0.0130	0.0002	0.0002
2.8681	0.0110	0.0132	0.0002	0.0002
2.9176	0.0110	0.0134	0.0002	0.0002
2.9670	0.0110	0.0136	0.0002	0.0002
3.0165	0.0110	0.0139	0.0002	0.0002
3.0659	0.0110	0.0141	0.0002	0.0002
3.1154	0.0110	0.0143	0.0002	0.0002
3.1648	0.0110	0.0145	0.0002	0.0002
3.2143	0.0110	0.0148	0.0002	0.0002
3.2637	0.0110	0.0150	0.0002	0.0002
3.3132	0.0110	0.0152	0.0002	0.0002
3.3626	0.0110	0.0154	0.0002	0.0002
3.4121	0.0110	0.0157	0.0002	0.0002
3.4615	0.0110	0.0159	0.0002	0.0002
3.5000	0.0110	0.0161	0.0002	0.0002

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.5000	0.0110	0.0161	0.0000	0.0029	0.0000
3.5495	0.0110	0.0166	0.0000	0.0029	0.0000
3.5989	0.0110	0.0172	0.0000	0.0029	0.0000
3.6484	0.0110	0.0177	0.0000	0.0029	0.0000
3.6978	0.0110	0.0182	0.0000	0.0029	0.0000

3.7473	0.0110	0.0188	0.0000	0.0029	0.0000
3.7967	0.0110	0.0193	0.0000	0.0029	0.0000
3.8462	0.0110	0.0199	0.0000	0.0029	0.0000
3.8956	0.0110	0.0204	0.0000	0.0029	0.0000
3.9451	0.0110	0.0210	0.0000	0.0029	0.0000
3.9945	0.0110	0.0215	0.0000	0.0029	0.0000
4.0440	0.0110	0.0221	0.0000	0.0029	0.0000
4.0934	0.0110	0.0226	0.0000	0.0029	0.0000
4.1429	0.0110	0.0231	0.0000	0.0029	0.0000
4.1923	0.0110	0.0237	0.0000	0.0029	0.0000
4.2418	0.0110	0.0242	0.0000	0.0029	0.0000
4.2912	0.0110	0.0248	0.0000	0.0029	0.0000
4.3407	0.0110	0.0253	0.0000	0.0029	0.0000
4.3901	0.0110	0.0259	0.0000	0.0029	0.0000
4.4396	0.0110	0.0264	0.0000	0.0029	0.0000
4.4890	0.0110	0.0269	0.0000	0.0029	0.0000
4.5000	0.0110	0.0271	0.0000	0.0029	0.0000

IMP 201 Surface01

Element Flows To:

Outlet 1

Outlet 2

IMP 201

IMP 212

Bottom Length:	18.00 ft.
Bottom Width:	36.80 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	1.567
Total Volume Through Riser (ac-ft.):	0.144
Total Volume Through Facility (ac-ft.):	2.75
Percent Infiltrated:	56.98
Total Precip Applied to Facility:	0.483
Total Evap From Facility:	0.459
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.3
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	1.039
Total Outflow (ac-ft.):	2.75
Percent Through Underdrain:	37.78
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0152	0.0000	0.0000	0.0000
0.0495	0.0152	0.0008	0.0000	0.0000
0.0989	0.0152	0.0015	0.0000	0.0000
0.1484	0.0152	0.0023	0.0000	0.0000
0.1978	0.0152	0.0030	0.0003	0.0003
0.2473	0.0152	0.0038	0.0003	0.0003
0.2967	0.0152	0.0045	0.0003	0.0003
0.3462	0.0152	0.0053	0.0003	0.0003
0.3956	0.0152	0.0060	0.0003	0.0003
0.4451	0.0152	0.0068	0.0003	0.0003
0.4945	0.0152	0.0075	0.0003	0.0003
0.5440	0.0152	0.0083	0.0003	0.0003
0.5934	0.0152	0.0090	0.0003	0.0003
0.6429	0.0152	0.0098	0.0003	0.0003
0.6923	0.0152	0.0105	0.0003	0.0003
0.7418	0.0152	0.0113	0.0003	0.0003
0.7912	0.0152	0.0120	0.0003	0.0003
0.8407	0.0152	0.0128	0.0003	0.0003
0.8901	0.0152	0.0135	0.0003	0.0003
0.9396	0.0152	0.0143	0.0003	0.0003
0.9890	0.0152	0.0150	0.0003	0.0003
1.0385	0.0152	0.0158	0.0003	0.0003

1.0879	0.0152	0.0165	0.0003	0.0003
1.1374	0.0152	0.0173	0.0003	0.0003
1.1868	0.0152	0.0180	0.0003	0.0003
1.2363	0.0152	0.0188	0.0003	0.0003
1.2857	0.0152	0.0196	0.0003	0.0003
1.3352	0.0152	0.0203	0.0003	0.0003
1.3846	0.0152	0.0211	0.0003	0.0003
1.4341	0.0152	0.0218	0.0003	0.0003
1.4835	0.0152	0.0226	0.0003	0.0003
1.5330	0.0152	0.0233	0.0003	0.0003
1.5824	0.0152	0.0241	0.0003	0.0003
1.6319	0.0152	0.0248	0.0003	0.0003
1.6813	0.0152	0.0256	0.0003	0.0003
1.7308	0.0152	0.0263	0.0003	0.0003
1.7802	0.0152	0.0271	0.0003	0.0003
1.8297	0.0152	0.0278	0.0003	0.0003
1.8791	0.0152	0.0286	0.0003	0.0003
1.9286	0.0152	0.0293	0.0003	0.0003
1.9780	0.0152	0.0301	0.0003	0.0003
2.0275	0.0152	0.0308	0.0003	0.0003
2.0769	0.0152	0.0316	0.0003	0.0003
2.1264	0.0152	0.0323	0.0003	0.0003
2.1758	0.0152	0.0331	0.0003	0.0003
2.2253	0.0152	0.0338	0.0003	0.0003
2.2747	0.0152	0.0346	0.0003	0.0003
2.3242	0.0152	0.0353	0.0003	0.0003
2.3736	0.0152	0.0361	0.0003	0.0003
2.4231	0.0152	0.0368	0.0003	0.0003
2.4725	0.0152	0.0376	0.0003	0.0003
2.5220	0.0152	0.0384	0.0003	0.0003
2.5714	0.0152	0.0391	0.0003	0.0003
2.6209	0.0152	0.0399	0.0003	0.0003
2.6703	0.0152	0.0406	0.0003	0.0003
2.7198	0.0152	0.0414	0.0003	0.0003
2.7692	0.0152	0.0421	0.0003	0.0003
2.8187	0.0152	0.0429	0.0003	0.0003
2.8681	0.0152	0.0436	0.0003	0.0003
2.9176	0.0152	0.0444	0.0003	0.0003
2.9670	0.0152	0.0451	0.0003	0.0003
3.0165	0.0152	0.0459	0.0003	0.0003
3.0659	0.0152	0.0466	0.0003	0.0003
3.1154	0.0152	0.0474	0.0003	0.0003
3.1648	0.0152	0.0481	0.0003	0.0003
3.2143	0.0152	0.0489	0.0003	0.0003
3.2637	0.0152	0.0496	0.0003	0.0003
3.3132	0.0152	0.0504	0.0003	0.0003
3.3626	0.0152	0.0511	0.0003	0.0003
3.4121	0.0152	0.0519	0.0003	0.0003
3.4615	0.0152	0.0526	0.0003	0.0003

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.4615	0.0152	0.0526	0.0000	0.0030	0.0000
3.5110	0.0152	0.0534	0.0000	0.0030	0.0000
3.5604	0.0152	0.0541	0.0000	0.0030	0.0000
3.6099	0.0152	0.0549	0.0000	0.0030	0.0000
3.6593	0.0152	0.0556	0.0000	0.0030	0.0000
3.7088	0.0152	0.0564	0.0000	0.0030	0.0000

3.7582	0.0152	0.0572	0.0000	0.0030	0.0000
3.8077	0.0152	0.0579	0.0000	0.0030	0.0000
3.8571	0.0152	0.0587	0.0000	0.0030	0.0000
3.9066	0.0152	0.0594	0.0000	0.0030	0.0000
3.9560	0.0152	0.0602	0.0000	0.0030	0.0000
4.0055	0.0152	0.0609	0.0000	0.0030	0.0000
4.0549	0.0152	0.0617	0.0000	0.0030	0.0000
4.1044	0.0152	0.0624	0.0000	0.0030	0.0000
4.1538	0.0152	0.0632	0.0000	0.0030	0.0000
4.2033	0.0152	0.0639	0.0000	0.0030	0.0000
4.2527	0.0152	0.0647	0.0000	0.0030	0.0000
4.3022	0.0152	0.0654	0.0000	0.0030	0.0000
4.3516	0.0152	0.0662	0.0000	0.0030	0.0000
4.4011	0.0152	0.0669	0.0000	0.0030	0.0000
4.4505	0.0152	0.0677	0.0000	0.0030	0.0000
4.5000	0.0152	0.0684	0.0000	0.0030	0.0000
4.5495	0.0152	0.0692	0.0000	0.0030	0.0000

IMP 212 Surface12

Element Flows To:

Outlet 1

Outlet 2

IMP 212

IMP 204

Bottom Length:	116.00 ft.
Bottom Width:	60.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	15.814
Total Volume Through Riser (ac-ft.):	2.034
Total Volume Through Facility (ac-ft.):	24.54
Percent Infiltrated:	64.44
Total Precip Applied to Facility:	5.217
Total Evap From Facility:	4.914
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.7
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	6.692
Total Outflow (ac-ft.):	24.54
Percent Through Underdrain:	27.27
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.1598	0.0000	0.0000	0.0000
0.0495	0.1598	0.0033	0.0000	0.0000
0.0989	0.1598	0.0066	0.0000	0.0000
0.1484	0.1598	0.0100	0.0000	0.0000
0.1978	0.1598	0.0133	0.0032	0.0032
0.2473	0.1598	0.0166	0.0032	0.0032
0.2967	0.1598	0.0199	0.0032	0.0032
0.3462	0.1598	0.0232	0.0032	0.0032
0.3956	0.1598	0.0265	0.0032	0.0032
0.4451	0.1598	0.0299	0.0032	0.0032
0.4945	0.1598	0.0332	0.0032	0.0032
0.5440	0.1598	0.0365	0.0032	0.0032
0.5934	0.1598	0.0398	0.0032	0.0032
0.6429	0.1598	0.0431	0.0032	0.0032
0.6923	0.1598	0.0465	0.0032	0.0032
0.7418	0.1598	0.0498	0.0032	0.0032
0.7912	0.1598	0.0531	0.0032	0.0032
0.8407	0.1598	0.0564	0.0032	0.0032
0.8901	0.1598	0.0597	0.0032	0.0032
0.9396	0.1598	0.0631	0.0032	0.0032
0.9890	0.1598	0.0664	0.0032	0.0032
1.0385	0.1598	0.0697	0.0032	0.0032

1.0879	0.1598	0.0730	0.0032	0.0032
1.1374	0.1598	0.0763	0.0032	0.0032
1.1868	0.1598	0.0796	0.0032	0.0032
1.2363	0.1598	0.0830	0.0032	0.0032
1.2857	0.1598	0.0863	0.0032	0.0032
1.3352	0.1598	0.0896	0.0032	0.0032
1.3846	0.1598	0.0929	0.0032	0.0032
1.4341	0.1598	0.0962	0.0032	0.0032
1.4835	0.1598	0.0996	0.0032	0.0032
1.5330	0.1598	0.1029	0.0032	0.0032
1.5824	0.1598	0.1062	0.0032	0.0032
1.6319	0.1598	0.1095	0.0032	0.0032
1.6813	0.1598	0.1128	0.0032	0.0032
1.7308	0.1598	0.1161	0.0032	0.0032
1.7802	0.1598	0.1195	0.0032	0.0032
1.8297	0.1598	0.1228	0.0032	0.0032
1.8791	0.1598	0.1261	0.0032	0.0032
1.9286	0.1598	0.1294	0.0032	0.0032
1.9780	0.1598	0.1327	0.0032	0.0032
2.0275	0.1598	0.1360	0.0032	0.0032
2.0769	0.1598	0.1393	0.0032	0.0032
2.1264	0.1598	0.1426	0.0032	0.0032
2.1758	0.1598	0.1459	0.0032	0.0032
2.2253	0.1598	0.1491	0.0032	0.0032
2.2747	0.1598	0.1524	0.0032	0.0032
2.3242	0.1598	0.1557	0.0032	0.0032
2.3736	0.1598	0.1590	0.0032	0.0032
2.4231	0.1598	0.1623	0.0032	0.0032
2.4725	0.1598	0.1655	0.0032	0.0032
2.5220	0.1598	0.1688	0.0032	0.0032
2.5714	0.1598	0.1721	0.0032	0.0032
2.6209	0.1598	0.1754	0.0032	0.0032
2.6703	0.1598	0.1786	0.0032	0.0032
2.7198	0.1598	0.1819	0.0032	0.0032
2.7692	0.1598	0.1852	0.0032	0.0032
2.8187	0.1598	0.1885	0.0032	0.0032
2.8681	0.1598	0.1918	0.0032	0.0032
2.9176	0.1598	0.1950	0.0032	0.0032
2.9670	0.1598	0.1983	0.0032	0.0032
3.0165	0.1598	0.2016	0.0032	0.0032
3.0659	0.1598	0.2049	0.0032	0.0032
3.1154	0.1598	0.2082	0.0032	0.0032
3.1648	0.1598	0.2114	0.0032	0.0032
3.2143	0.1598	0.2147	0.0032	0.0032
3.2637	0.1598	0.2180	0.0032	0.0032
3.3132	0.1598	0.2213	0.0032	0.0032
3.3626	0.1598	0.2246	0.0032	0.0032
3.4121	0.1598	0.2278	0.0032	0.0032
3.4615	0.1598	0.2311	0.0032	0.0032
3.5000	0.1598	0.2337	0.0032	0.0032

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltration(cfs)
3.5000	0.1598	0.2337	0.0000	0.0180	0.0000
3.5495	0.1598	0.2416	0.0000	0.0180	0.0000
3.5989	0.1598	0.2495	0.0000	0.0180	0.0000
3.6484	0.1598	0.2574	0.0000	0.0180	0.0000
3.6978	0.1598	0.2653	0.0000	0.0180	0.0000

3.7473	0.1598	0.2732	0.0000	0.0180	0.0000
3.7967	0.1598	0.2811	0.0000	0.0180	0.0000
3.8462	0.1598	0.2890	0.0000	0.0180	0.0000
3.8956	0.1598	0.2969	0.0000	0.0180	0.0000
3.9451	0.1598	0.3048	0.0000	0.0180	0.0000
3.9945	0.1598	0.3127	0.0000	0.0180	0.0000
4.0440	0.1598	0.3206	0.0000	0.0180	0.0000
4.0934	0.1598	0.3285	0.0000	0.0180	0.0000
4.1429	0.1598	0.3364	0.0000	0.0180	0.0000
4.1923	0.1598	0.3443	0.0000	0.0180	0.0000
4.2418	0.1598	0.3522	0.0000	0.0180	0.0000
4.2912	0.1598	0.3601	0.0000	0.0180	0.0000
4.3407	0.1598	0.3680	0.0000	0.0180	0.0000
4.3901	0.1598	0.3759	0.0000	0.0180	0.0000
4.4396	0.1598	0.3838	0.0000	0.0180	0.0000
4.4890	0.1598	0.3917	0.0000	0.0180	0.0000
4.5000	0.1598	0.3934	0.0000	0.0180	0.0000

IMP 204 Surface04

Element Flows To:

Outlet 1

Outlet 2

IMP 204

IMP 205

Bottom Length:	55.00 ft.
Bottom Width:	35.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	4.387
Total Volume Through Riser (ac-ft.):	0.696
Total Volume Through Facility (ac-ft.):	7.923
Percent Infiltrated:	55.37
Total Precip Applied to Facility:	1.407
Total Evap From Facility:	1.315
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.5
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	2.84
Total Outflow (ac-ft.):	7.923
Percent Through Underdrain:	35.85
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0442	0.0000	0.0000	0.0000
0.0495	0.0442	0.0009	0.0000	0.0000
0.0989	0.0442	0.0018	0.0000	0.0000
0.1484	0.0442	0.0028	0.0000	0.0000
0.1978	0.0442	0.0037	0.0009	0.0009
0.2473	0.0442	0.0046	0.0009	0.0009
0.2967	0.0442	0.0055	0.0009	0.0009
0.3462	0.0442	0.0064	0.0009	0.0009
0.3956	0.0442	0.0073	0.0009	0.0009
0.4451	0.0442	0.0083	0.0009	0.0009
0.4945	0.0442	0.0092	0.0009	0.0009
0.5440	0.0442	0.0101	0.0009	0.0009
0.5934	0.0442	0.0110	0.0009	0.0009
0.6429	0.0442	0.0119	0.0009	0.0009
0.6923	0.0442	0.0128	0.0009	0.0009
0.7418	0.0442	0.0138	0.0009	0.0009
0.7912	0.0442	0.0147	0.0009	0.0009
0.8407	0.0442	0.0156	0.0009	0.0009
0.8901	0.0442	0.0165	0.0009	0.0009
0.9396	0.0442	0.0174	0.0009	0.0009
0.9890	0.0442	0.0184	0.0009	0.0009
1.0385	0.0442	0.0193	0.0009	0.0009

1.0879	0.0442	0.0202	0.0009	0.0009
1.1374	0.0442	0.0211	0.0009	0.0009
1.1868	0.0442	0.0220	0.0009	0.0009
1.2363	0.0442	0.0229	0.0009	0.0009
1.2857	0.0442	0.0239	0.0009	0.0009
1.3352	0.0442	0.0248	0.0009	0.0009
1.3846	0.0442	0.0257	0.0009	0.0009
1.4341	0.0442	0.0266	0.0009	0.0009
1.4835	0.0442	0.0275	0.0009	0.0009
1.5330	0.0442	0.0285	0.0009	0.0009
1.5824	0.0442	0.0294	0.0009	0.0009
1.6319	0.0442	0.0303	0.0009	0.0009
1.6813	0.0442	0.0312	0.0009	0.0009
1.7308	0.0442	0.0321	0.0009	0.0009
1.7802	0.0442	0.0330	0.0009	0.0009
1.8297	0.0442	0.0340	0.0009	0.0009
1.8791	0.0442	0.0349	0.0009	0.0009
1.9286	0.0442	0.0358	0.0009	0.0009
1.9780	0.0442	0.0367	0.0009	0.0009
2.0275	0.0442	0.0376	0.0009	0.0009
2.0769	0.0442	0.0385	0.0009	0.0009
2.1264	0.0442	0.0394	0.0009	0.0009
2.1758	0.0442	0.0403	0.0009	0.0009
2.2253	0.0442	0.0412	0.0009	0.0009
2.2747	0.0442	0.0422	0.0009	0.0009
2.3242	0.0442	0.0431	0.0009	0.0009
2.3736	0.0442	0.0440	0.0009	0.0009
2.4231	0.0442	0.0449	0.0009	0.0009
2.4725	0.0442	0.0458	0.0009	0.0009
2.5220	0.0442	0.0467	0.0009	0.0009
2.5714	0.0442	0.0476	0.0009	0.0009
2.6209	0.0442	0.0485	0.0009	0.0009
2.6703	0.0442	0.0494	0.0009	0.0009
2.7198	0.0442	0.0503	0.0009	0.0009
2.7692	0.0442	0.0512	0.0009	0.0009
2.8187	0.0442	0.0521	0.0009	0.0009
2.8681	0.0442	0.0530	0.0009	0.0009
2.9176	0.0442	0.0539	0.0009	0.0009
2.9670	0.0442	0.0549	0.0009	0.0009
3.0165	0.0442	0.0558	0.0009	0.0009
3.0659	0.0442	0.0567	0.0009	0.0009
3.1154	0.0442	0.0576	0.0009	0.0009
3.1648	0.0442	0.0585	0.0009	0.0009
3.2143	0.0442	0.0594	0.0009	0.0009
3.2637	0.0442	0.0603	0.0009	0.0009
3.3132	0.0442	0.0612	0.0009	0.0009
3.3626	0.0442	0.0621	0.0009	0.0009
3.4121	0.0442	0.0630	0.0009	0.0009
3.4615	0.0442	0.0639	0.0009	0.0009
3.5000	0.0442	0.0646	0.0009	0.0009

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.5000	0.0442	0.0646	0.0000	0.0084	0.0000
3.5495	0.0442	0.0668	0.0000	0.0084	0.0000
3.5989	0.0442	0.0690	0.0000	0.0084	0.0000
3.6484	0.0442	0.0712	0.0000	0.0084	0.0000
3.6978	0.0442	0.0734	0.0000	0.0084	0.0000

3.7473	0.0442	0.0756	0.0000	0.0084	0.0000
3.7967	0.0442	0.0777	0.0000	0.0084	0.0000
3.8462	0.0442	0.0799	0.0000	0.0084	0.0000
3.8956	0.0442	0.0821	0.0000	0.0084	0.0000
3.9451	0.0442	0.0843	0.0000	0.0084	0.0000
3.9945	0.0442	0.0865	0.0000	0.0084	0.0000
4.0440	0.0442	0.0887	0.0000	0.0084	0.0000
4.0934	0.0442	0.0908	0.0000	0.0084	0.0000
4.1429	0.0442	0.0930	0.0000	0.0084	0.0000
4.1923	0.0442	0.0952	0.0000	0.0084	0.0000
4.2418	0.0442	0.0974	0.0000	0.0084	0.0000
4.2912	0.0442	0.0996	0.0000	0.0084	0.0000
4.3407	0.0442	0.1018	0.0000	0.0084	0.0000
4.3901	0.0442	0.1040	0.0000	0.0084	0.0000
4.4396	0.0442	0.1061	0.0000	0.0084	0.0000
4.4890	0.0442	0.1083	0.0000	0.0084	0.0000
4.5000	0.0442	0.1088	0.0000	0.0084	0.0000

IMP 205 Surface05

Element Flows To:

Outlet 1

Outlet 2

IMP 205

IMP 207

Bottom Length:	18.00 ft.
Bottom Width:	22.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	1.018
Total Volume Through Riser (ac-ft.):	0.117
Total Volume Through Facility (ac-ft.):	1.974
Percent Infiltrated:	51.57
Total Precip Applied to Facility:	0.284
Total Evap From Facility:	0.281
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.25
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	0.839
Total Outflow (ac-ft.):	1.974
Percent Through Underdrain:	42.5
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0091	0.0000	0.0000	0.0000
0.0495	0.0091	0.0002	0.0000	0.0000
0.0989	0.0091	0.0004	0.0000	0.0000
0.1484	0.0091	0.0006	0.0000	0.0000
0.1978	0.0091	0.0008	0.0002	0.0002
0.2473	0.0091	0.0009	0.0002	0.0002
0.2967	0.0091	0.0011	0.0002	0.0002
0.3462	0.0091	0.0013	0.0002	0.0002
0.3956	0.0091	0.0015	0.0002	0.0002
0.4451	0.0091	0.0017	0.0002	0.0002
0.4945	0.0091	0.0019	0.0002	0.0002
0.5440	0.0091	0.0021	0.0002	0.0002
0.5934	0.0091	0.0023	0.0002	0.0002
0.6429	0.0091	0.0025	0.0002	0.0002
0.6923	0.0091	0.0026	0.0002	0.0002
0.7418	0.0091	0.0028	0.0002	0.0002
0.7912	0.0091	0.0030	0.0002	0.0002
0.8407	0.0091	0.0032	0.0002	0.0002
0.8901	0.0091	0.0034	0.0002	0.0002
0.9396	0.0091	0.0036	0.0002	0.0002
0.9890	0.0091	0.0038	0.0002	0.0002
1.0385	0.0091	0.0040	0.0002	0.0002

1.0879	0.0091	0.0042	0.0002	0.0002
1.1374	0.0091	0.0043	0.0002	0.0002
1.1868	0.0091	0.0045	0.0002	0.0002
1.2363	0.0091	0.0047	0.0002	0.0002
1.2857	0.0091	0.0049	0.0002	0.0002
1.3352	0.0091	0.0051	0.0002	0.0002
1.3846	0.0091	0.0053	0.0002	0.0002
1.4341	0.0091	0.0055	0.0002	0.0002
1.4835	0.0091	0.0057	0.0002	0.0002
1.5330	0.0091	0.0059	0.0002	0.0002
1.5824	0.0091	0.0060	0.0002	0.0002
1.6319	0.0091	0.0062	0.0002	0.0002
1.6813	0.0091	0.0064	0.0002	0.0002
1.7308	0.0091	0.0066	0.0002	0.0002
1.7802	0.0091	0.0068	0.0002	0.0002
1.8297	0.0091	0.0070	0.0002	0.0002
1.8791	0.0091	0.0072	0.0002	0.0002
1.9286	0.0091	0.0074	0.0002	0.0002
1.9780	0.0091	0.0076	0.0002	0.0002
2.0275	0.0091	0.0077	0.0002	0.0002
2.0769	0.0091	0.0079	0.0002	0.0002
2.1264	0.0091	0.0081	0.0002	0.0002
2.1758	0.0091	0.0083	0.0002	0.0002
2.2253	0.0091	0.0085	0.0002	0.0002
2.2747	0.0091	0.0087	0.0002	0.0002
2.3242	0.0091	0.0089	0.0002	0.0002
2.3736	0.0091	0.0090	0.0002	0.0002
2.4231	0.0091	0.0092	0.0002	0.0002
2.4725	0.0091	0.0094	0.0002	0.0002
2.5220	0.0091	0.0096	0.0002	0.0002
2.5714	0.0091	0.0098	0.0002	0.0002
2.6209	0.0091	0.0100	0.0002	0.0002
2.6703	0.0091	0.0102	0.0002	0.0002
2.7198	0.0091	0.0104	0.0002	0.0002
2.7692	0.0091	0.0105	0.0002	0.0002
2.8187	0.0091	0.0107	0.0002	0.0002
2.8681	0.0091	0.0109	0.0002	0.0002
2.9176	0.0091	0.0111	0.0002	0.0002
2.9670	0.0091	0.0113	0.0002	0.0002
3.0165	0.0091	0.0115	0.0002	0.0002
3.0659	0.0091	0.0117	0.0002	0.0002
3.1154	0.0091	0.0118	0.0002	0.0002
3.1648	0.0091	0.0120	0.0002	0.0002
3.2143	0.0091	0.0122	0.0002	0.0002
3.2637	0.0091	0.0124	0.0002	0.0002
3.3132	0.0091	0.0126	0.0002	0.0002
3.3626	0.0091	0.0128	0.0002	0.0002
3.4121	0.0091	0.0130	0.0002	0.0002
3.4615	0.0091	0.0131	0.0002	0.0002
3.5000	0.0091	0.0133	0.0002	0.0002

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.5000	0.0091	0.0133	0.0000	0.0021	0.0000
3.5495	0.0091	0.0137	0.0000	0.0021	0.0000
3.5989	0.0091	0.0142	0.0000	0.0021	0.0000
3.6484	0.0091	0.0146	0.0000	0.0021	0.0000
3.6978	0.0091	0.0151	0.0000	0.0021	0.0000

3.7473	0.0091	0.0155	0.0000	0.0021	0.0000
3.7967	0.0091	0.0160	0.0000	0.0021	0.0000
3.8462	0.0091	0.0164	0.0000	0.0021	0.0000
3.8956	0.0091	0.0169	0.0000	0.0021	0.0000
3.9451	0.0091	0.0173	0.0000	0.0021	0.0000
3.9945	0.0091	0.0178	0.0000	0.0021	0.0000
4.0440	0.0091	0.0182	0.0000	0.0021	0.0000
4.0934	0.0091	0.0187	0.0000	0.0021	0.0000
4.1429	0.0091	0.0191	0.0000	0.0021	0.0000
4.1923	0.0091	0.0196	0.0000	0.0021	0.0000
4.2418	0.0091	0.0200	0.0000	0.0021	0.0000
4.2912	0.0091	0.0205	0.0000	0.0021	0.0000
4.3407	0.0091	0.0209	0.0000	0.0021	0.0000
4.3901	0.0091	0.0214	0.0000	0.0021	0.0000
4.4396	0.0091	0.0218	0.0000	0.0021	0.0000
4.4890	0.0091	0.0223	0.0000	0.0021	0.0000
4.5000	0.0091	0.0224	0.0000	0.0021	0.0000

IMP 207 Surface07

Element Flows To:

Outlet 1

Outlet 2

IMP 207

IMP 206

Bottom Length:	45.05 ft.
Bottom Width:	18.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	1.85
Total Volume Through Riser (ac-ft.):	0.166
Total Volume Through Facility (ac-ft.):	3.76
Percent Infiltrated:	49.2
Total Precip Applied to Facility:	0.578
Total Evap From Facility:	0.548
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.5
Offset (in.):	6
Flow Through Underdrain (ac-ft.):	1.744
Total Outflow (ac-ft.):	3.76
Percent Through Underdrain:	46.38
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0186	0.0000	0.0000	0.0000
0.0495	0.0186	0.0004	0.0000	0.0000
0.0989	0.0186	0.0008	0.0000	0.0000
0.1484	0.0186	0.0012	0.0000	0.0000
0.1978	0.0186	0.0015	0.0004	0.0004
0.2473	0.0186	0.0019	0.0004	0.0004
0.2967	0.0186	0.0023	0.0004	0.0004
0.3462	0.0186	0.0027	0.0004	0.0004
0.3956	0.0186	0.0031	0.0004	0.0004
0.4451	0.0186	0.0035	0.0004	0.0004
0.4945	0.0186	0.0039	0.0004	0.0004
0.5440	0.0186	0.0043	0.0004	0.0004
0.5934	0.0186	0.0046	0.0004	0.0004
0.6429	0.0186	0.0050	0.0004	0.0004
0.6923	0.0186	0.0054	0.0004	0.0004
0.7418	0.0186	0.0058	0.0004	0.0004
0.7912	0.0186	0.0062	0.0004	0.0004
0.8407	0.0186	0.0066	0.0004	0.0004
0.8901	0.0186	0.0070	0.0004	0.0004
0.9396	0.0186	0.0073	0.0004	0.0004
0.9890	0.0186	0.0077	0.0004	0.0004
1.0385	0.0186	0.0081	0.0004	0.0004

1.0879	0.0186	0.0085	0.0004	0.0004
1.1374	0.0186	0.0089	0.0004	0.0004
1.1868	0.0186	0.0093	0.0004	0.0004
1.2363	0.0186	0.0097	0.0004	0.0004
1.2857	0.0186	0.0101	0.0004	0.0004
1.3352	0.0186	0.0104	0.0004	0.0004
1.3846	0.0186	0.0108	0.0004	0.0004
1.4341	0.0186	0.0112	0.0004	0.0004
1.4835	0.0186	0.0116	0.0004	0.0004
1.5330	0.0186	0.0120	0.0004	0.0004
1.5824	0.0186	0.0124	0.0004	0.0004
1.6319	0.0186	0.0128	0.0004	0.0004
1.6813	0.0186	0.0131	0.0004	0.0004
1.7308	0.0186	0.0135	0.0004	0.0004
1.7802	0.0186	0.0139	0.0004	0.0004
1.8297	0.0186	0.0143	0.0004	0.0004
1.8791	0.0186	0.0147	0.0004	0.0004
1.9286	0.0186	0.0151	0.0004	0.0004
1.9780	0.0186	0.0155	0.0004	0.0004
2.0275	0.0186	0.0158	0.0004	0.0004
2.0769	0.0186	0.0162	0.0004	0.0004
2.1264	0.0186	0.0166	0.0004	0.0004
2.1758	0.0186	0.0170	0.0004	0.0004
2.2253	0.0186	0.0174	0.0004	0.0004
2.2747	0.0186	0.0178	0.0004	0.0004
2.3242	0.0186	0.0181	0.0004	0.0004
2.3736	0.0186	0.0185	0.0004	0.0004
2.4231	0.0186	0.0189	0.0004	0.0004
2.4725	0.0186	0.0193	0.0004	0.0004
2.5220	0.0186	0.0197	0.0004	0.0004
2.5714	0.0186	0.0200	0.0004	0.0004
2.6209	0.0186	0.0204	0.0004	0.0004
2.6703	0.0186	0.0208	0.0004	0.0004
2.7198	0.0186	0.0212	0.0004	0.0004
2.7692	0.0186	0.0216	0.0004	0.0004
2.8187	0.0186	0.0220	0.0004	0.0004
2.8681	0.0186	0.0223	0.0004	0.0004
2.9176	0.0186	0.0227	0.0004	0.0004
2.9670	0.0186	0.0231	0.0004	0.0004
3.0165	0.0186	0.0235	0.0004	0.0004
3.0659	0.0186	0.0239	0.0004	0.0004
3.1154	0.0186	0.0243	0.0004	0.0004
3.1648	0.0186	0.0246	0.0004	0.0004
3.2143	0.0186	0.0250	0.0004	0.0004
3.2637	0.0186	0.0254	0.0004	0.0004
3.3132	0.0186	0.0258	0.0004	0.0004
3.3626	0.0186	0.0262	0.0004	0.0004
3.4121	0.0186	0.0265	0.0004	0.0004
3.4615	0.0186	0.0269	0.0004	0.0004
3.5000	0.0186	0.0272	0.0004	0.0004

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.5000	0.0186	0.0272	0.0000	0.0079	0.0000
3.5495	0.0186	0.0281	0.0000	0.0079	0.0000
3.5989	0.0186	0.0291	0.0000	0.0079	0.0000
3.6484	0.0186	0.0300	0.0000	0.0079	0.0000
3.6978	0.0186	0.0309	0.0000	0.0079	0.0000

3.7473	0.0186	0.0318	0.0000	0.0079	0.0000
3.7967	0.0186	0.0327	0.0000	0.0079	0.0000
3.8462	0.0186	0.0337	0.0000	0.0079	0.0000
3.8956	0.0186	0.0346	0.0000	0.0079	0.0000
3.9451	0.0186	0.0355	0.0000	0.0079	0.0000
3.9945	0.0186	0.0364	0.0000	0.0079	0.0000
4.0440	0.0186	0.0373	0.0000	0.0079	0.0000
4.0934	0.0186	0.0383	0.0000	0.0079	0.0000
4.1429	0.0186	0.0392	0.0000	0.0079	0.0000
4.1923	0.0186	0.0401	0.0000	0.0079	0.0000
4.2418	0.0186	0.0410	0.0000	0.0079	0.0000
4.2912	0.0186	0.0420	0.0000	0.0079	0.0000
4.3407	0.0186	0.0429	0.0000	0.0079	0.0000
4.3901	0.0186	0.0438	0.0000	0.0079	0.0000
4.4396	0.0186	0.0447	0.0000	0.0079	0.0000
4.4890	0.0186	0.0456	0.0000	0.0079	0.0000
4.5000	0.0186	0.0458	0.0000	0.0079	0.0000

IMP 206 Surface06

Element Flows To:

Outlet 1

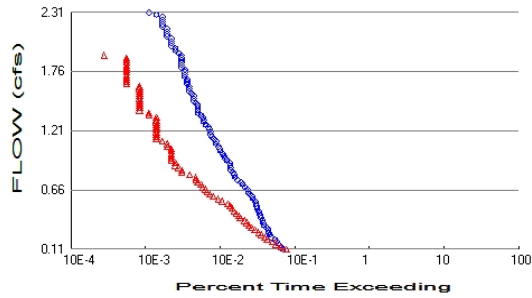
Outlet 2
IMP 206

Analysis Results

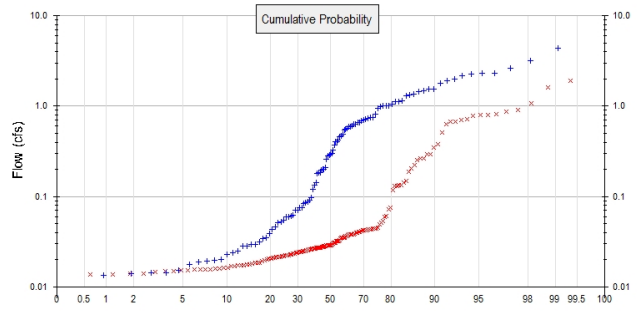
POC 1

POC #1 was not reported because POC must exist in both scenarios and both scenarios must have been run.

POC 2



+ Predeveloped x Mitigated



Predeveloped Landuse Totals for POC #2

Total Pervious Area: 6.58
Total Impervious Area: 0

Mitigated Landuse Totals for POC #2

Total Pervious Area: 1.61
Total Impervious Area: 3.732285

Flow Frequency Method: Cunnane

Flow Frequency Return Periods for Predeveloped. POC #2

Return Period	Flow(cfs)
2 year	1.058451
5 year	1.950957
10 year	2.308128
25 year	3.1504

Flow Frequency Return Periods for Mitigated. POC #2

Return Period	Flow(cfs)
2 year	0.264021
5 year	0.784035
10 year	0.887246
25 year	1.579195

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
0.1058	249	276	110	Pass
0.1281	235	235	100	Pass
0.1503	218	202	92	Pass
0.1726	206	182	88	Pass
0.1948	195	154	78	Pass
0.2171	173	142	82	Pass
0.2393	166	128	77	Pass
0.2616	163	118	72	Pass
0.2838	158	105	66	Pass
0.3061	149	95	63	Pass
0.3283	138	87	63	Pass
0.3505	135	82	60	Pass
0.3728	133	76	57	Pass
0.3950	128	67	52	Pass
0.4173	125	64	51	Pass
0.4395	121	59	48	Pass
0.4618	119	55	46	Pass
0.4840	113	52	46	Pass
0.5063	111	49	44	Pass
0.5285	108	46	42	Pass
0.5508	106	38	35	Pass
0.5730	100	34	34	Pass
0.5952	96	29	30	Pass
0.6175	90	26	28	Pass
0.6397	85	24	28	Pass
0.6620	83	23	27	Pass
0.6842	77	21	27	Pass
0.7065	72	20	27	Pass
0.7287	68	18	26	Pass
0.7510	61	17	27	Pass
0.7732	57	17	29	Pass
0.7954	55	14	25	Pass
0.8177	53	11	20	Pass
0.8399	50	11	22	Pass
0.8622	50	10	20	Pass
0.8844	49	9	18	Pass
0.9067	48	9	18	Pass
0.9289	44	8	18	Pass
0.9512	42	8	19	Pass
0.9734	41	8	19	Pass
0.9957	39	8	20	Pass
1.0179	36	8	22	Pass
1.0401	35	8	22	Pass
1.0624	34	7	20	Pass
1.0846	32	7	21	Pass
1.1069	32	6	18	Pass
1.1291	30	5	16	Pass
1.1514	28	5	17	Pass
1.1736	27	5	18	Pass
1.1959	27	5	18	Pass
1.2181	26	5	19	Pass
1.2404	25	5	20	Pass
1.2626	23	5	21	Pass

1.2848	22	5	22	Pass
1.3071	22	5	22	Pass
1.3293	21	5	23	Pass
1.3516	20	4	20	Pass
1.3738	18	4	22	Pass
1.3961	18	3	16	Pass
1.4183	18	3	16	Pass
1.4406	18	3	16	Pass
1.4628	17	3	17	Pass
1.4851	16	3	18	Pass
1.5073	16	3	18	Pass
1.5295	16	3	18	Pass
1.5518	15	3	20	Pass
1.5740	14	3	21	Pass
1.5963	14	3	21	Pass
1.6185	14	3	21	Pass
1.6408	13	2	15	Pass
1.6630	13	2	15	Pass
1.6853	13	2	15	Pass
1.7075	12	2	16	Pass
1.7298	12	2	16	Pass
1.7520	12	2	16	Pass
1.7742	12	2	16	Pass
1.7965	11	2	18	Pass
1.8187	11	2	18	Pass
1.8410	11	2	18	Pass
1.8632	11	2	18	Pass
1.8855	11	2	18	Pass
1.9077	11	1	9	Pass
1.9300	10	0	0	Pass
1.9522	9	0	0	Pass
1.9744	9	0	0	Pass
1.9967	8	0	0	Pass
2.0189	8	0	0	Pass
2.0412	8	0	0	Pass
2.0634	8	0	0	Pass
2.0857	7	0	0	Pass
2.1079	7	0	0	Pass
2.1302	7	0	0	Pass
2.1524	7	0	0	Pass
2.1747	6	0	0	Pass
2.1969	6	0	0	Pass
2.2191	6	0	0	Pass
2.2414	6	0	0	Pass
2.2636	6	0	0	Pass
2.2859	5	0	0	Pass
2.3081	4	0	0	Pass

POC 3

POC #3 was not reported because POC must exist in both scenarios and both scenarios must have been run.

POC 4

POC #4 was not reported because POC must exist in both scenarios and both scenarios must have been run.

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

No PERLND changes have been made.

IMPLND Changes

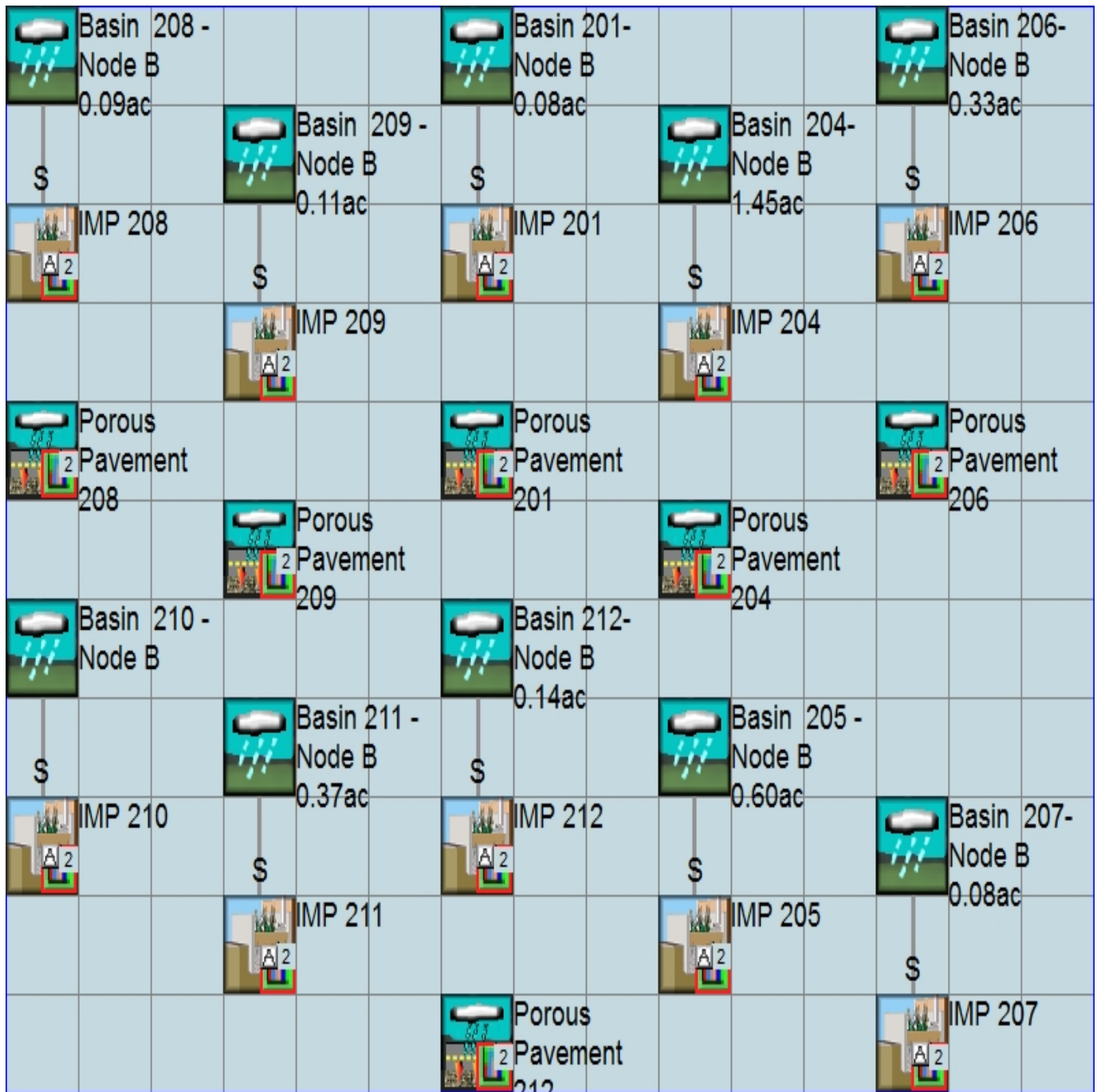
No IMPLND changes have been made.

Appendix

Predeveloped Schematic



Mitigated Schematic



Predeveloped UCI File

RUN

GLOBAL

```
WWM4 model simulation
START      1963 10 01      END      2004 09 30
RUN INTERP OUTPUT LEVEL    3      0
RESUME     0 RUN      1      UNIT SYSTEM    1
END GLOBAL
```

FILES

```
<File>  <Un#>  <-----File Name----->***
<-ID->                                     ***
WDM      26     CBC-Basin 2.wdm
MESSU    25     PreCBC-Basin 2.MES
          27     PreCBC-Basin 2.L61
          28     PreCBC-Basin 2.L62
          31     POCCBC-Basin 22.dat
```

END FILES

OPN SEQUENCE

```
INGRP      INDELT 00:60
```

```
PERLND      29
```

```
COPY      502
```

```
DISPLY      2
```

END INGRP

END OPN SEQUENCE

DISPLY

DISPLY-INF01

```
# - #<-----Title----->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
2      Basin 2 - Node B      MAX      1      2      31      9
```

END DISPLY-INF01

END DISPLY

COPY

TIMESERIES

```
# - # NPT NMN ***
```

```
1      1      1
```

```
502     1      1
```

END TIMESERIES

END COPY

GENER

OPCODE

```
#      # OPCD ***
```

END OPCODE

PARM

```
#      #      K ***
```

END PARM

END GENER

PERLND

GEN-INFO

```
<PLS ><-----Name----->NBLKS      Unit-systems      Printer ***
# - #      User      t-series      Engl Metr ***
```

```
29      D,Grass,MOD(5-10%)      1      1      1      1      27      0
```

END GEN-INFO

*** Section PWATER***

ACTIVITY

```
<PLS > ***** Active Sections *****
```

```
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC ***
```

```
29      0      0      1      0      0      0      0      0      0      0      0      0
```

END ACTIVITY

PRINT-INFO

```
<PLS > ***** Print-flags ***** PIVL PYR
```

```
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC *****
```

```
29      0      0      4      0      0      0      0      0      0      0      0      0      1      9
```

END PRINT-INFO

```

PWAT-PARM1
<PLS > PWATER variable monthly parameter value flags ***
# - # CSNO RTOP UZFG VCS VUZ VNN VIFW VIRC VLE INFC HWT ***
29 0 1 1 1 0 0 0 0 1 1 0
END PWAT-PARM1

PWAT-PARM2
<PLS > PWATER input info: Part 2 ***
# - # ***FOREST LZSN INFILT LSUR SLSUR KVARV AGWRC
29 0 4.5 0.03 200 0.1 3 0.92
END PWAT-PARM2

PWAT-PARM3
<PLS > PWATER input info: Part 3 ***
# - # ***PETMAX PETMIN INFEXP INFILD DEEPFR BASETP AGWETP
29 35 30 2 2 0.4 0.05 0.05
END PWAT-PARM3

PWAT-PARM4
<PLS > PWATER input info: Part 4 ***
# - # CEPSC UZSN NSUR INTFW IRC LZETP ***
29 0.08 0.6 0.2 1.5 0.7 0.5
END PWAT-PARM4

MON-LZETPARM
<PLS > PWATER input info: Part 3 ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
29 0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.4 0.4 0.4
END MON-LZETPARM

MON-INTERCEP
<PLS > PWATER input info: Part 3 ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
29 0.1 0.1 0.1 0.1 0.06 0.06 0.06 0.06 0.1 0.1 0.1
END MON-INTERCEP

PWAT-STATE1
<PLS > *** Initial conditions at start of simulation
ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
# - # *** CEPS SURS UZS IFWS LZS AGWS GWVS
29 0 0 0.15 0 4 0.05 0
END PWAT-STATE1

END PERLND

IMPLND
GEN-INFO
<PLS ><-----Name-----> Unit-systems Printer ***
# - # User t-series Engl Metr ***
in out ***

END GEN-INFO
*** Section IWATER***

ACTIVITY
<PLS > ***** Active Sections *****
# - # ATMP SNOW IWAT SLD IWG IQAL ***
END ACTIVITY

PRINT-INFO
<ILS > ***** Print-flags ***** PIVL PYR
# - # ATMP SNOW IWAT SLD IWG IQAL *****
END PRINT-INFO

IWAT-PARM1
<PLS > IWATER variable monthly parameter value flags ***
# - # CSNO RTOP VRS VNN RTLI ***
END IWAT-PARM1

IWAT-PARM2
<PLS > IWATER input info: Part 2 ***
# - # *** LSUR SLSUR NSUR RETSC
END IWAT-PARM2

```

```

IWAT-PARM3
  <PLS >          IWATER input info: Part 3          ***
  # - # ***PETMAX    PETMIN
END IWAT-PARM3

IWAT-STATE1
  <PLS > *** Initial conditions at start of simulation
  # - # *** RETS      SURS
END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->          <--Area-->      <-Target->      MBLK      ***
<Name> #          <-factor->      <Name> #      Tbl#      ***
Basin 2 - Node B***
PERLND 29          6.58      COPY 502      12

*****Routing*****
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name> #      <Name> # #<-factor->strg <Name> # #      <Name> # #      ***
COPY 502 OUTPUT MEAN 1 1 12.1      DISPLY 2      INPUT TIMSER 1

<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name> #      <Name> # #<-factor->strg <Name> # #      <Name> # #      ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES      Name      Nexits      Unit Systems      Printer      ***
    # - #<-----><----> User T-series Engl Metr LKFG      ***
    in out
  END GEN-INFO
  *** Section RCHRES***

ACTIVITY
  <PLS > ***** Active Sections *****
  # - # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
END ACTIVITY

PRINT-INFO
  <PLS > ***** Print-flags ***** PIVL PYR
  # - # HYDR ADCA CONS HEAT SED GQL OXRX NUTR PLNK PHCB PIVL PYR *****
END PRINT-INFO

HYDR-PARM1
  RCHRES      Flags for each HYDR Section      ***
  # - # VC A1 A2 A3 ODFVFG for each *** ODGTFG for each FUNCT for each
  FG FG FG FG possible exit *** possible exit possible exit
  * * * * *
END HYDR-PARM1

HYDR-PARM2
  # - # FTABNO      LEN      DELTH      STCOR      KS      DB50      ***
<-----><-----><-----><-----><-----><----->
END HYDR-PARM2
HYDR-INIT
  RCHRES      Initial conditions for each HYDR section      ***
  # - # *** VOL      Initial value of COLIND      Initial value of OUTDGT
  *** ac-ft      for each possible exit      for each possible exit
  <-----><-----> <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS

```

END SPEC-ACTIONS
 FTABLES
 END FTABLES

EXT SOURCES

<-Volume->	<Member>	SsysSgap<--Mult-->Tran	<-Target	vols>	<-Grp>	<-Member->	***
<Name>	#	<Name> # tem strg<-factor->strg	<Name>	#	#	<Name> # #	***
WDM	2	PREC ENGL 1	PERLND	1	999	EXTNL PREC	
WDM	2	PREC ENGL 1	IMPLND	1	999	EXTNL PREC	
WDM	1	EVAP ENGL 1	PERLND	1	999	EXTNL PETINP	
WDM	1	EVAP ENGL 1	IMPLND	1	999	EXTNL PETINP	

END EXT SOURCES

EXT TARGETS

<-Volume->	<-Grp>	<-Member-><--Mult-->Tran	<-Volume->	<Member>	Tsys	Tgap	Amd	***
<Name>	#	<Name> # #<-factor->strg	<Name>	#	<Name>	tem	strg	strg***
COPY	502	OUTPUT MEAN 1 1 12.1	WDM	502	FLOW	ENGL	REPL	

END EXT TARGETS

MASS-LINK

<Volume>	<-Grp>	<-Member-><--Mult-->	<Target>	<-Grp>	<-Member->***
<Name>	#	<Name> # #<-factor->	<Name>	#	<Name> # #***
MASS-LINK	12				
PERLND	PWATER	SURO 0.083333	COPY	INPUT	MEAN

END MASS-LINK

END MASS-LINK

END RUN

Mitigated UCI File

RUN

GLOBAL

WWM4 model simulation
START 1963 10 01 END 2004 09 30
RUN INTERP OUTPUT LEVEL 3 0
RESUME 0 RUN 1 UNIT SYSTEM 1
END GLOBAL

FILES

<File>	<Un#>	<-----File Name----->	***
<-ID->			***
WDM	26	CBC-Basin 2.wdm	
MESSU	25	MitCBC-Basin 2.MES	
	27	MitCBC-Basin 2.L61	
	28	MitCBC-Basin 2.L62	
	31	POCCBC-Basin 22.dat	

END FILES

OPN SEQUENCE

INGRP INDELT 00:60

PERLND	40
PERLND	34
IMPLND	4
RCHRES	1
IMPLND	1
IMPLND	6
RCHRES	2
IMPLND	7
RCHRES	3
IMPLND	8
RCHRES	4
IMPLND	9
RCHRES	5
PERLND	31
IMPLND	10
RCHRES	6
RCHRES	7
RCHRES	8
RCHRES	9
RCHRES	10
RCHRES	11
RCHRES	12
RCHRES	13
RCHRES	14
RCHRES	15
RCHRES	16
RCHRES	17
RCHRES	18
RCHRES	19
RCHRES	20
RCHRES	21
RCHRES	22
RCHRES	23
RCHRES	24
RCHRES	25
RCHRES	26
COPY	2
COPY	502
DISPLY	2

END INGRP

END OPN SEQUENCE

DISPLY

DISPLY-INF01

#	-	#<-----Title----->	***	TRAN	PIVL	DIG1	FIL1	PYR	DIG2	FIL2	YRND
2		Porous Pavement	208	MAX				1	2	31	9

END DISPLY-INF01

END DISPLY

COPY

TIMESERIES

```
# - # NPT NMN ***
1 1 1
2 1 1
502 1 1
```

END TIMESERIES

END COPY

GENER

OPCODE

```
# # OPCD ***
```

END OPCODE

PARM

```
# # K ***
```

END PARM

END GENER

PERLND

GEN-INFO

```
<PLS ><-----Name----->NBLKS Unit-systems Printer ***
# - # User t-series Engl Metr ***
in out ***
40 D,Urban,FLAT(0-5%) 1 1 1 1 27 0
34 D,Gravel,Flat(0-5) 1 1 1 1 27 0
31 D,Dirt, Flat(0-5%) 1 1 1 1 27 0
```

END GEN-INFO

*** Section PWATER***

ACTIVITY

```
<PLS > ***** Active Sections *****
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC ***
40 0 0 1 0 0 0 0 0 0 0 0 0
34 0 0 1 0 0 0 0 0 0 0 0 0
31 0 0 1 0 0 0 0 0 0 0 0 0
```

END ACTIVITY

PRINT-INFO

```
<PLS > ***** Print-flags ***** PIVL PYR
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC *****
40 0 0 4 0 0 0 0 0 0 0 0 0 1 9
34 0 0 4 0 0 0 0 0 0 0 0 0 1 9
31 0 0 4 0 0 0 0 0 0 0 0 0 1 9
```

END PRINT-INFO

PWAT-PARM1

```
<PLS > PWATER variable monthly parameter value flags ***
# - # CSNO RTOP UZFG VCS VUZ VNN VIFW VIRC VLE INFC HWT ***
40 0 1 1 1 0 0 0 0 1 1 0
34 0 1 1 1 0 0 0 0 1 1 0
31 0 1 1 1 0 0 0 0 1 1 0
```

END PWAT-PARM1

PWAT-PARM2

```
<PLS > PWATER input info: Part 2 ***
# - # ***FOREST LZSN INFILT LSUR SLSUR KVARV AGWRC
40 0 4.8 0.04 200 0.05 3 0.92
34 0 2.4 0.022 400 0.05 2 0.95
31 0 4.8 0.045 400 0.05 2 0.95
```

END PWAT-PARM2

PWAT-PARM3

```
<PLS > PWATER input info: Part 3 ***
# - # ***PETMAX PETMIN INFEXP INFILD DEEPFR BASETP AGWETP
40 35 30 2 2 0.4 0.05 0.05
34 35 30 2 2 0.4 0.05 0.05
31 35 30 2 2 0.4 0.05 0.05
```

END PWAT-PARM3

PWAT-PARM4

```
<PLS > PWATER input info: Part 4 ***
# - # CEPSC UZSN NSUR INTFW IRC LZETP ***
40 0.08 0.6 0.2 1.5 0.7 0.5
```

```

34          0          1.6          0.35          0          0.7          0
31          0          0.8          0.2          2          0.7          0
END PWAT-PARM4
MON-LZETPARM
<PLS >      PWATER input info: Part 3          ***
# - #      JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
40          0.4  0.4  0.4  0.4  0.6  0.6  0.6  0.6  0.6  0.4  0.4  0.4
34          0.4  0.4  0.4  0.4  0.6  0.6  0.6  0.6  0.6  0.4  0.4  0.4
31          0.4  0.4  0.4  0.4  0.6  0.6  0.6  0.6  0.6  0.4  0.4  0.4

```

```

END MON-LZETPARM
MON-INTERCEP
<PLS >      PWATER input info: Part 3          ***
# - #      JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
40          0.1  0.1  0.1  0.1  0.06 0.06 0.06 0.06 0.06 0.1  0.1  0.1
34          0.1  0.1  0.1  0.1  0.06 0.06 0.06 0.06 0.06 0.1  0.1  0.1
31          0.1  0.1  0.1  0.1  0.06 0.06 0.06 0.06 0.06 0.1  0.1  0.1
END MON-INTERCEP

```

```

PWAT-STATE1
<PLS > *** Initial conditions at start of simulation
ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
# - # *** CEPS      SURS      UZS      IFWS      LZS      AGWS      GWVS
40          0          0          0.15          0          4          0.05          0
34          0          0          0.01          0          0.5          0.3          0.01
31          0          0          0.01          0          0.5          0.3          0.01
END PWAT-STATE1

```

END PERLND

IMPLND

```

GEN-INFO
<PLS ><-----Name----->      Unit-systems      Printer ***
# - #      User      t-series      Engl Metr ***
# - #      in      out
4      Porous Pavement      1      1      1      27      0
1      IMPERVIOUS-FLAT      1      1      1      27      0
6      Porous Pavement      1      1      1      27      0
7      Porous Pavement      1      1      1      27      0
8      Porous Pavement      1      1      1      27      0
9      Porous Pavement      1      1      1      27      0
10     Porous Pavement      1      1      1      27      0
END GEN-INFO
*** Section IWATER***

```

```

ACTIVITY
<PLS > ***** Active Sections *****
# - # ATMP SNOW IWAT SLD IWG IQAL ***
4      0      0      1      0      0      0
1      0      0      1      0      0      0
6      0      0      1      0      0      0
7      0      0      1      0      0      0
8      0      0      1      0      0      0
9      0      0      1      0      0      0
10     0      0      1      0      0      0
END ACTIVITY

```

```

PRINT-INFO
<ILS > ***** Print-flags ***** PIVL PYR
# - # ATMP SNOW IWAT SLD IWG IQAL *****
4      0      0      4      0      0      0      1      9
1      0      0      4      0      0      0      1      9
6      0      0      4      0      0      0      1      9
7      0      0      4      0      0      0      1      9
8      0      0      4      0      0      0      1      9
9      0      0      4      0      0      0      1      9
10     0      0      4      0      0      0      1      9
END PRINT-INFO

```

```

IWAT-PARM1
<PLS > IWATER variable monthly parameter value flags ***

```

```

# - # CSNO RTOP VRS VNN RTLI ***
4      0      0      0      0      1
1      0      0      0      0      1
6      0      0      0      0      1
7      0      0      0      0      1
8      0      0      0      0      1
9      0      0      0      0      1
10     0      0      0      0      1
END IWAT-PARM1

```

```

IWAT-PARM2
<PLS > IWATER input info: Part 2 ***
# - # *** LSUR SLSUR NSUR RETSC
4      100      0.01      0.1      0.1
1      100      0.035     0.05      0.1
6      100      0.01      0.1      0.1
7      100      0.01      0.1      0.1
8      100      0.01      0.1      0.1
9      100      0.01      0.1      0.1
10     100      0.01      0.1      0.1
END IWAT-PARM2

```

```

IWAT-PARM3
<PLS > IWATER input info: Part 3 ***
# - # *** PETMAX PETMIN
4      0      0
1      0      0
6      0      0
7      0      0
8      0      0
9      0      0
10     0      0
END IWAT-PARM3

```

```

IWAT-STATE1
<PLS > *** Initial conditions at start of simulation
# - # *** RETS SURS
4      0      0
1      0      0
6      0      0
7      0      0
8      0      0
9      0      0
10     0      0
END IWAT-STATE1

```

END IMPLND

```

SCHEMATIC
<-Source->          <-Area-->      <-Target->      MBLK      ***
<Name> #            <-factor->      <Name> #        Tbl#      ***
Basin 208 - Node B***
PERLND 40            0.01      RCHRES 7          2
PERLND 34            0.08      RCHRES 7          2
Basin 209 - Node B***
PERLND 40            0.01      RCHRES 11         2
PERLND 34            0.03      RCHRES 11         2
IMPLND 1             0.07      RCHRES 11         5
Basin 210 - Node B***
IMPLND 1             1.15      RCHRES 9          5
Basin 211 - Node B***
PERLND 40            0.01      RCHRES 13         2
IMPLND 1             0.36      RCHRES 13         5
Basin 212- Node B***
PERLND 40            0.01      RCHRES 17         2
PERLND 34            0.05      RCHRES 17         2
IMPLND 1             0.08      RCHRES 17         5
Basin 201- Node B***
PERLND 40            0.01      RCHRES 15         2
IMPLND 1             0.07      RCHRES 15         5

```


Basin 204-	Node B***				
PERLND 34		0.58	RCHRES 19		2
PERLND 40		0.18	RCHRES 19		2
IMPLND 1		0.69	RCHRES 19		5
Basin 205 -	Node B***				
PERLND 34		0.38	RCHRES 21		2
PERLND 40		0.01	RCHRES 21		2
IMPLND 1		0.21	RCHRES 21		5
Basin 206-	Node B***				
PERLND 31		0.06	RCHRES 25		2
PERLND 34		0.08	RCHRES 25		2
PERLND 40		0.09	RCHRES 25		2
IMPLND 1		0.1	RCHRES 25		5
Basin 207-	Node B***				
PERLND 34		0.02	RCHRES 23		2
IMPLND 1		0.06	RCHRES 23		5
IMPLND 6		0.0562	RCHRES 2		5
IMPLND 7		0.0932	RCHRES 3		5
IMPLND 8		0.1382	RCHRES 4		5
IMPLND 4		0.1612	RCHRES 1		5
IMPLND 9		0.3161	RCHRES 5		5
IMPLND 10		0.1774	RCHRES 6		5

*****Routing*****

PERLND 40	0.01	COPY	2	12
PERLND 34	0.08	COPY	2	12
PERLND 40	0.01	COPY	2	12
PERLND 34	0.03	COPY	2	12
IMPLND 1	0.07	COPY	2	15
IMPLND 1	1.15	COPY	2	15
PERLND 40	0.01	COPY	2	12
IMPLND 1	0.36	COPY	2	15
PERLND 40	0.01	COPY	2	12
PERLND 34	0.05	COPY	2	12
IMPLND 1	0.08	COPY	2	15
PERLND 40	0.01	COPY	2	12
IMPLND 1	0.07	COPY	2	15
PERLND 34	0.58	COPY	2	12
PERLND 40	0.18	COPY	2	12
IMPLND 1	0.69	COPY	2	15
PERLND 34	0.38	COPY	2	12
PERLND 40	0.01	COPY	2	12
IMPLND 1	0.21	COPY	2	15
PERLND 31	0.06	COPY	2	12
PERLND 34	0.08	COPY	2	12
PERLND 40	0.09	COPY	2	12
IMPLND 1	0.1	COPY	2	15
PERLND 34	0.02	COPY	2	12
IMPLND 1	0.06	COPY	2	15
RCHRES 7	1	RCHRES	8	8
RCHRES 9	1	RCHRES	10	8
RCHRES 11	1	RCHRES	12	8
RCHRES 13	1	RCHRES	14	8
RCHRES 15	1	RCHRES	16	8
RCHRES 17	1	RCHRES	18	8
RCHRES 19	1	RCHRES	20	8
RCHRES 21	1	RCHRES	22	8
RCHRES 23	1	RCHRES	24	8
RCHRES 25	1	RCHRES	26	8
RCHRES 1	1	COPY	502	17
RCHRES 2	1	COPY	502	17
RCHRES 3	1	COPY	502	17
RCHRES 4	1	COPY	502	17
RCHRES 5	1	COPY	502	17
RCHRES 6	1	COPY	502	17
RCHRES 8	1	COPY	502	17
RCHRES 7	1	COPY	502	17
RCHRES 10	1	COPY	502	17
RCHRES 9	1	COPY	502	17
RCHRES 12	1	COPY	502	17

RCHRES	11		1	COPY	502	17
RCHRES	14		1	COPY	502	17
RCHRES	13		1	COPY	502	17
RCHRES	16		1	COPY	502	17
RCHRES	15		1	COPY	502	17
RCHRES	18		1	COPY	502	17
RCHRES	17		1	COPY	502	17
RCHRES	20		1	COPY	502	17
RCHRES	19		1	COPY	502	17
RCHRES	22		1	COPY	502	17
RCHRES	21		1	COPY	502	17
RCHRES	24		1	COPY	502	17
RCHRES	23		1	COPY	502	17
RCHRES	26		1	COPY	502	17
RCHRES	25		1	COPY	502	17

END SCHEMATIC

```

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name> # <Name> # #<-factor->strg <Name> # # <Name> # # ***
COPY 502 OUTPUT MEAN 1 1 12.1 DISPLY 2 INPUT TIMSER 1

```

```

<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name> # <Name> # #<-factor->strg <Name> # # <Name> # # ***
END NETWORK

```

```

RCHRES
GEN-INFO
RCHRES      Name      Nexits  Unit Systems  Printer      ***
# - #<-----><-----> User T-series Engl Metr LKFG      ***
                                     in  out
1      Porous Pavement -008    2      1      1      1      28      0      1
2      Porous Pavement -013    2      1      1      1      28      0      1
3      Porous Pavement -023    2      1      1      1      28      0      1
4      Porous Pavement -027    2      1      1      1      28      0      1
5      Porous Pavement -031    2      1      1      1      28      0      1
6      Porous Pavement -038    2      1      1      1      28      0      1
7      IMP 208 Surface0-066    3      1      1      1      28      0      1
8      IMP 208                               2      1      1      1      28      0      1
9      IMP 210 Surface1-068    3      1      1      1      28      0      1
10     IMP 210                               2      1      1      1      28      0      1
11     IMP 209 Surface0-070    3      1      1      1      28      0      1
12     IMP 209                               2      1      1      1      28      0      1
13     IMP 211 Surface1-072    3      1      1      1      28      0      1
14     IMP 211                               2      1      1      1      28      0      1
15     IMP 201 Surface0-074    3      1      1      1      28      0      1
16     IMP 201                               2      1      1      1      28      0      1
17     IMP 212 Surface1-076    3      1      1      1      28      0      1
18     IMP 212                               2      1      1      1      28      0      1
19     IMP 204 Surface0-078    3      1      1      1      28      0      1
20     IMP 204                               2      1      1      1      28      0      1
21     IMP 205 Surface0-080    3      1      1      1      28      0      1
22     IMP 205                               2      1      1      1      28      0      1
23     IMP 207 Surface0-082    3      1      1      1      28      0      1
24     IMP 207                               2      1      1      1      28      0      1
25     IMP 206 Surface0-084    3      1      1      1      28      0      1
26     IMP 206                               2      1      1      1      28      0      1
END GEN-INFO
*** Section RCHRES***

```

```

ACTIVITY
<PLS > ***** Active Sections *****
# - # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
1      1      0      0      0      0      0      0      0      0      0
2      1      0      0      0      0      0      0      0      0      0
3      1      0      0      0      0      0      0      0      0      0
4      1      0      0      0      0      0      0      0      0      0
5      1      0      0      0      0      0      0      0      0      0

```

6	1	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	0	0
8	1	0	0	0	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0	0	0
12	1	0	0	0	0	0	0	0	0	0	0
13	1	0	0	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	0	0
15	1	0	0	0	0	0	0	0	0	0	0
16	1	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	0	0	0
19	1	0	0	0	0	0	0	0	0	0	0
20	1	0	0	0	0	0	0	0	0	0	0
21	1	0	0	0	0	0	0	0	0	0	0
22	1	0	0	0	0	0	0	0	0	0	0
23	1	0	0	0	0	0	0	0	0	0	0
24	1	0	0	0	0	0	0	0	0	0	0
25	1	0	0	0	0	0	0	0	0	0	0
26	1	0	0	0	0	0	0	0	0	0	0

END ACTIVITY

PRINT-INFO

<PLS > ***** Print-flags ***** PIVL PYR *****

#	-	#	HYDR	ADCA	CONS	HEAT	SED	GQL	OXRX	NUTR	PLNK	PHCB	PIVL	PYR	
1		4	0	0	0	0	0	0	0	0	0	0	1	9	
2		4	0	0	0	0	0	0	0	0	0	0	1	9	
3		4	0	0	0	0	0	0	0	0	0	0	1	9	
4		4	0	0	0	0	0	0	0	0	0	0	1	9	
5		4	0	0	0	0	0	0	0	0	0	0	1	9	
6		4	0	0	0	0	0	0	0	0	0	0	1	9	
7		4	0	0	0	0	0	0	0	0	0	0	1	9	
8		4	0	0	0	0	0	0	0	0	0	0	1	9	
9		4	0	0	0	0	0	0	0	0	0	0	1	9	
10		4	0	0	0	0	0	0	0	0	0	0	1	9	
11		4	0	0	0	0	0	0	0	0	0	0	1	9	
12		4	0	0	0	0	0	0	0	0	0	0	1	9	
13		4	0	0	0	0	0	0	0	0	0	0	1	9	
14		4	0	0	0	0	0	0	0	0	0	0	1	9	
15		4	0	0	0	0	0	0	0	0	0	0	1	9	
16		4	0	0	0	0	0	0	0	0	0	0	1	9	
17		4	0	0	0	0	0	0	0	0	0	0	1	9	
18		4	0	0	0	0	0	0	0	0	0	0	1	9	
19		4	0	0	0	0	0	0	0	0	0	0	1	9	
20		4	0	0	0	0	0	0	0	0	0	0	1	9	
21		4	0	0	0	0	0	0	0	0	0	0	1	9	
22		4	0	0	0	0	0	0	0	0	0	0	1	9	
23		4	0	0	0	0	0	0	0	0	0	0	1	9	
24		4	0	0	0	0	0	0	0	0	0	0	1	9	
25		4	0	0	0	0	0	0	0	0	0	0	1	9	
26		4	0	0	0	0	0	0	0	0	0	0	1	9	

END PRINT-INFO

HYDR-PARM1

RCHRES		Flags for each HYDR Section										ODGTFG for each										FUNCT for each				
#	-	#	VC	A1	A2	A3	ODFVFG	for each possible exit			***	ODGTFG	for each possible exit			***	FUNCT	for each possible exit								
			FG	FG	FG	FG	*	*	*	*	*	*	*	*	*	*	***	*	*	*						
1		0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	2	2	2	2						
2		0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	2	2	2	2						
3		0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	2	2	2	2						
4		0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	2	2	2	2						
5		0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	2	2	2	2						
6		0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	2	2	2	2						
7		0	1	0	0	4	5	6	0	0	0	0	0	0	0	0	2	2	2	2						
8		0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	2	2	2	2						
9		0	1	0	0	4	5	6	0	0	0	0	0	0	0	0	2	2	2	2						
10		0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	2	2	2	2						
11		0	1	0	0	4	5	6	0	0	0	0	0	0	0	0	2	2	2	2						

12	0	1	0	0	4	5	0	0	0	0	0	0	0	0	2	2	2	2	2
13	0	1	0	0	4	5	6	0	0	0	0	0	0	0	2	2	2	2	2
14	0	1	0	0	4	5	0	0	0	0	0	0	0	0	2	2	2	2	2
15	0	1	0	0	4	5	6	0	0	0	0	0	0	0	2	2	2	2	2
16	0	1	0	0	4	5	0	0	0	0	0	0	0	0	2	2	2	2	2
17	0	1	0	0	4	5	6	0	0	0	0	0	0	0	2	2	2	2	2
18	0	1	0	0	4	5	0	0	0	0	0	0	0	0	2	2	2	2	2
19	0	1	0	0	4	5	6	0	0	0	0	0	0	0	2	2	2	2	2
20	0	1	0	0	4	5	0	0	0	0	0	0	0	0	2	2	2	2	2
21	0	1	0	0	4	5	6	0	0	0	0	0	0	0	2	2	2	2	2
22	0	1	0	0	4	5	0	0	0	0	0	0	0	0	2	2	2	2	2
23	0	1	0	0	4	5	6	0	0	0	0	0	0	0	2	2	2	2	2
24	0	1	0	0	4	5	0	0	0	0	0	0	0	0	2	2	2	2	2
25	0	1	0	0	4	5	6	0	0	0	0	0	0	0	2	2	2	2	2
26	0	1	0	0	4	5	0	0	0	0	0	0	0	0	2	2	2	2	2

END HYDR-PARM1

HYDR-PARM2		FTABNO	LEN	DELTH	STCOR	KS	DB50	***
#	-	#						***
1		1	0.02	0.0	0.0	0.5	0.0	
2		2	0.01	0.0	0.0	0.5	0.0	
3		3	0.03	0.0	0.0	0.5	0.0	
4		4	0.01	0.0	0.0	0.5	0.0	
5		5	0.06	0.0	0.0	0.5	0.0	
6		6	0.02	0.0	0.0	0.5	0.0	
7		7	0.01	0.0	0.0	0.5	0.0	
8		8	0.01	0.0	0.0	0.5	0.0	
9		9	0.01	0.0	0.0	0.5	0.0	
10		10	0.02	0.0	0.0	0.5	0.0	
11		11	0.01	0.0	0.0	0.5	0.0	
12		12	0.01	0.0	0.0	0.5	0.0	
13		13	0.01	0.0	0.0	0.5	0.0	
14		14	0.02	0.0	0.0	0.5	0.0	
15		15	0.01	0.0	0.0	0.5	0.0	
16		16	0.01	0.0	0.0	0.5	0.0	
17		17	0.01	0.0	0.0	0.5	0.0	
18		18	0.01	0.0	0.0	0.5	0.0	
19		19	0.01	0.0	0.0	0.5	0.0	
20		20	0.02	0.0	0.0	0.5	0.0	
21		21	0.01	0.0	0.0	0.5	0.0	
22		22	0.01	0.0	0.0	0.5	0.0	
23		23	0.01	0.0	0.0	0.5	0.0	
24		24	0.01	0.0	0.0	0.5	0.0	
25		25	0.01	0.0	0.0	0.5	0.0	
26		26	0.01	0.0	0.0	0.5	0.0	

END HYDR-PARM2

HYDR-INIT

RCHRES		Initial conditions for each HYDR section					Initial value of COLIND					Initial value of OUTDGT					***
#	-	#	VOL	Initial value of COLIND					Initial value of OUTDGT					***			
			ac-ft	for each possible exit					for each possible exit								
1		0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2		0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3		0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4		0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
5		0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6		0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7		0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
8		0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
9		0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10	0		4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
11	0		4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
12	0		4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
13	0		4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14	0		4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
15	0		4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
16	0		4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	0		4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
18	0		4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

19	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS

FTABLES

FTABLE 1

91 5

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.161157	0.000000	0.000000	0.000000		
0.017778	0.161157	0.001146	0.000000	0.001625		
0.035556	0.161157	0.002292	0.000000	0.001625		
0.053333	0.161157	0.003438	0.000000	0.001625		
0.071111	0.161157	0.004584	0.000000	0.001625		
0.088889	0.161157	0.005730	0.000000	0.001625		
0.106667	0.161157	0.006876	0.000000	0.001625		
0.124444	0.161157	0.008022	0.000000	0.001625		
0.142222	0.161157	0.009168	0.000000	0.001625		
0.160000	0.161157	0.010314	0.000000	0.001625		
0.177778	0.161157	0.011460	0.000000	0.001625		
0.195556	0.161157	0.012606	0.000000	0.001625		
0.213333	0.161157	0.013752	0.000000	0.001625		
0.231111	0.161157	0.014898	0.000000	0.001625		
0.248889	0.161157	0.016044	0.000000	0.001625		
0.266667	0.161157	0.017190	0.000000	0.001625		
0.284444	0.161157	0.018336	0.000000	0.001625		
0.302222	0.161157	0.019482	0.000000	0.001625		
0.320000	0.161157	0.020628	0.000000	0.001625		
0.337778	0.161157	0.021774	0.000000	0.001625		
0.355556	0.161157	0.022920	0.000000	0.001625		
0.373333	0.161157	0.024066	0.000000	0.001625		
0.391111	0.161157	0.025212	0.000000	0.001625		
0.408889	0.161157	0.026358	0.000000	0.001625		
0.426667	0.161157	0.027504	0.000000	0.001625		
0.444444	0.161157	0.028650	0.000000	0.001625		
0.462222	0.161157	0.029796	0.000000	0.001625		
0.480000	0.161157	0.030942	0.000000	0.001625		
0.497778	0.161157	0.032088	0.000000	0.001625		
0.515556	0.161157	0.033234	0.000000	0.001625		
0.533333	0.161157	0.034380	0.000000	0.001625		
0.551111	0.161157	0.035526	0.000000	0.001625		
0.568889	0.161157	0.036672	0.000000	0.001625		
0.586667	0.161157	0.037818	0.000000	0.001625		
0.604444	0.161157	0.038964	0.000000	0.001625		
0.622222	0.161157	0.040110	0.000000	0.001625		
0.640000	0.161157	0.041256	0.000000	0.001625		
0.657778	0.161157	0.042402	0.000000	0.001625		
0.675556	0.161157	0.043548	0.000000	0.001625		
0.693333	0.161157	0.044694	0.000000	0.001625		
0.711111	0.161157	0.045840	0.000000	0.001625		
0.728889	0.161157	0.046986	0.000000	0.001625		
0.746667	0.161157	0.048132	0.000000	0.001625		
0.764444	0.161157	0.049278	0.000000	0.001625		
0.782222	0.161157	0.050424	0.000000	0.001625		
0.800000	0.161157	0.051570	0.000000	0.001625		
0.817778	0.161157	0.052716	0.000000	0.001625		
0.835556	0.161157	0.053862	0.000000	0.001625		
0.853333	0.161157	0.055008	0.000000	0.001625		
0.871111	0.161157	0.056154	0.000000	0.001625		
0.888889	0.161157	0.057300	0.000000	0.001625		
0.906667	0.161157	0.058446	0.000000	0.001625		

0.924444	0.161157	0.059592	0.000000	0.001625
0.942222	0.161157	0.060738	0.000000	0.001625
0.960000	0.161157	0.061884	0.000000	0.001625
0.977778	0.161157	0.063030	0.000000	0.001625
0.995556	0.161157	0.064176	0.000000	0.001625
1.013333	0.161157	0.065322	0.112806	0.001625
1.031111	0.161157	0.066468	0.172313	0.001625
1.048889	0.161157	0.067614	0.216006	0.001625
1.066667	0.161157	0.068760	0.252241	0.001625
1.084444	0.161157	0.069906	0.283888	0.001625
1.102222	0.161157	0.071052	0.312345	0.001625
1.120000	0.161157	0.072198	0.338417	0.001625
1.137778	0.161157	0.073344	0.362619	0.001625
1.155556	0.161157	0.074490	0.385304	0.001625
1.173333	0.161157	0.075636	0.406726	0.001625
1.191111	0.161157	0.076782	0.427075	0.001625
1.208889	0.161157	0.077928	0.446497	0.001625
1.226667	0.161157	0.079074	0.465109	0.001625
1.244444	0.161157	0.080220	0.483005	0.001625
1.262222	0.161157	0.081366	0.500260	0.001625
1.280000	0.161157	0.082512	0.516940	0.001625
1.297778	0.161157	0.083658	0.533098	0.001625
1.315556	0.161157	0.084804	0.548781	0.001625
1.333333	0.161157	0.085950	0.564028	0.001625
1.351111	0.161157	0.087096	0.578873	0.001625
1.368889	0.161157	0.088242	0.593347	0.001625
1.386667	0.161157	0.089388	0.607477	0.001625
1.404444	0.161157	0.090534	0.621285	0.001625
1.422222	0.161157	0.091680	0.634792	0.001625
1.440000	0.161157	0.092826	0.648019	0.001625
1.457778	0.161157	0.093972	0.660980	0.001625
1.475556	0.161157	0.095118	0.673693	0.001625
1.493333	0.161157	0.096264	0.686170	0.001625
1.511111	0.161157	0.097410	0.698424	0.001625
1.528889	0.161157	0.098556	0.710466	0.001625
1.546667	0.161157	0.099702	0.722308	0.001625
1.564444	0.161157	0.100848	0.733959	0.001625
1.582222	0.161157	0.101994	0.745428	0.001625
1.600000	0.161157	0.103140	0.756723	0.001625

END FTABLE 1

FTABLE 2

91 5

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.056250	0.000000	0.000000	0.000000		
0.017778	0.056250	0.000400	0.000000	0.000567		
0.035556	0.056250	0.000800	0.000000	0.000567		
0.053333	0.056250	0.001200	0.000000	0.000567		
0.071111	0.056250	0.001600	0.000000	0.000567		
0.088889	0.056250	0.002000	0.000000	0.000567		
0.106667	0.056250	0.002400	0.000000	0.000567		
0.124444	0.056250	0.002800	0.000000	0.000567		
0.142222	0.056250	0.003200	0.000000	0.000567		
0.160000	0.056250	0.003600	0.000000	0.000567		
0.177778	0.056250	0.004000	0.000000	0.000567		
0.195556	0.056250	0.004400	0.000000	0.000567		
0.213333	0.056250	0.004800	0.000000	0.000567		
0.231111	0.056250	0.005200	0.000000	0.000567		
0.248889	0.056250	0.005600	0.000000	0.000567		
0.266667	0.056250	0.006000	0.000000	0.000567		
0.284444	0.056250	0.006400	0.000000	0.000567		
0.302222	0.056250	0.006800	0.000000	0.000567		
0.320000	0.056250	0.007200	0.000000	0.000567		
0.337778	0.056250	0.007600	0.000000	0.000567		
0.355556	0.056250	0.008000	0.000000	0.000567		
0.373333	0.056250	0.008400	0.000000	0.000567		
0.391111	0.056250	0.008800	0.000000	0.000567		
0.408889	0.056250	0.009200	0.000000	0.000567		
0.426667	0.056250	0.009600	0.000000	0.000567		
0.444444	0.056250	0.010000	0.000000	0.000567		

0.462222	0.056250	0.010400	0.000000	0.000567
0.480000	0.056250	0.010800	0.000000	0.000567
0.497778	0.056250	0.011200	0.000000	0.000567
0.515556	0.056250	0.011600	0.000000	0.000567
0.533333	0.056250	0.012000	0.000000	0.000567
0.551111	0.056250	0.012400	0.000000	0.000567
0.568889	0.056250	0.012800	0.000000	0.000567
0.586667	0.056250	0.013200	0.000000	0.000567
0.604444	0.056250	0.013600	0.000000	0.000567
0.622222	0.056250	0.014000	0.000000	0.000567
0.640000	0.056250	0.014400	0.000000	0.000567
0.657778	0.056250	0.014800	0.000000	0.000567
0.675556	0.056250	0.015200	0.000000	0.000567
0.693333	0.056250	0.015600	0.000000	0.000567
0.711111	0.056250	0.016000	0.000000	0.000567
0.728889	0.056250	0.016400	0.000000	0.000567
0.746667	0.056250	0.016800	0.000000	0.000567
0.764444	0.056250	0.017200	0.000000	0.000567
0.782222	0.056250	0.017600	0.000000	0.000567
0.800000	0.056250	0.018000	0.000000	0.000567
0.817778	0.056250	0.018400	0.000000	0.000567
0.835556	0.056250	0.018800	0.000000	0.000567
0.853333	0.056250	0.019200	0.000000	0.000567
0.871111	0.056250	0.019600	0.000000	0.000567
0.888889	0.056250	0.020000	0.000000	0.000567
0.906667	0.056250	0.020400	0.000000	0.000567
0.924444	0.056250	0.020800	0.000000	0.000567
0.942222	0.056250	0.021200	0.000000	0.000567
0.960000	0.056250	0.021600	0.000000	0.000567
0.977778	0.056250	0.022000	0.000000	0.000567
0.995556	0.056250	0.022400	0.000000	0.000567
1.013333	0.056250	0.022800	0.112806	0.000567
1.031111	0.056250	0.023200	0.172313	0.000567
1.048889	0.056250	0.023600	0.216006	0.000567
1.066667	0.056250	0.024000	0.252241	0.000567
1.084444	0.056250	0.024400	0.283888	0.000567
1.102222	0.056250	0.024800	0.312345	0.000567
1.120000	0.056250	0.025200	0.338417	0.000567
1.137778	0.056250	0.025600	0.362619	0.000567
1.155556	0.056250	0.026000	0.385304	0.000567
1.173333	0.056250	0.026400	0.406726	0.000567
1.191111	0.056250	0.026800	0.427075	0.000567
1.208889	0.056250	0.027200	0.446497	0.000567
1.226667	0.056250	0.027600	0.465109	0.000567
1.244444	0.056250	0.028000	0.483005	0.000567
1.262222	0.056250	0.028400	0.500260	0.000567
1.280000	0.056250	0.028800	0.516940	0.000567
1.297778	0.056250	0.029200	0.533098	0.000567
1.315556	0.056250	0.029600	0.548781	0.000567
1.333333	0.056250	0.030000	0.564028	0.000567
1.351111	0.056250	0.030400	0.578873	0.000567
1.368889	0.056250	0.030800	0.593347	0.000568
1.386667	0.056250	0.031200	0.607477	0.000568
1.404444	0.056250	0.031600	0.621285	0.000568
1.422222	0.056250	0.032000	0.634792	0.000568
1.440000	0.056250	0.032400	0.648019	0.000568
1.457778	0.056250	0.032800	0.660980	0.000568
1.475556	0.056250	0.033200	0.673693	0.000568
1.493333	0.056250	0.033600	0.686170	0.000568
1.511111	0.056250	0.034000	0.698424	0.000568
1.528889	0.056250	0.034400	0.710466	0.000568
1.546667	0.056250	0.034800	0.722308	0.000568
1.564444	0.056250	0.035200	0.733959	0.000568
1.582222	0.056250	0.035600	0.745428	0.000568
1.600000	0.056250	0.036000	0.756723	0.000568
END FTABLE	2			
FTABLE	3			

91

5

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
---------------	-----------------	---------------------	-------------------	-------------------	----------------------	--------------------------------

0.000000	0.093202	0.000000	0.000000	0.000000
0.017778	0.093202	0.000663	0.000000	0.000940
0.035556	0.093202	0.001326	0.000000	0.000940
0.053333	0.093202	0.001988	0.000000	0.000940
0.071111	0.093202	0.002651	0.000000	0.000940
0.088889	0.093202	0.003314	0.000000	0.000940
0.106667	0.093202	0.003977	0.000000	0.000940
0.124444	0.093202	0.004639	0.000000	0.000940
0.142222	0.093202	0.005302	0.000000	0.000940
0.160000	0.093202	0.005965	0.000000	0.000940
0.177778	0.093202	0.006628	0.000000	0.000940
0.195556	0.093202	0.007291	0.000000	0.000940
0.213333	0.093202	0.007953	0.000000	0.000940
0.231111	0.093202	0.008616	0.000000	0.000940
0.248889	0.093202	0.009279	0.000000	0.000940
0.266667	0.093202	0.009942	0.000000	0.000940
0.284444	0.093202	0.010604	0.000000	0.000940
0.302222	0.093202	0.011267	0.000000	0.000940
0.320000	0.093202	0.011930	0.000000	0.000940
0.337778	0.093202	0.012593	0.000000	0.000940
0.355556	0.093202	0.013255	0.000000	0.000940
0.373333	0.093202	0.013918	0.000000	0.000940
0.391111	0.093202	0.014581	0.000000	0.000940
0.408889	0.093202	0.015244	0.000000	0.000940
0.426667	0.093202	0.015907	0.000000	0.000940
0.444444	0.093202	0.016569	0.000000	0.000940
0.462222	0.093202	0.017232	0.000000	0.000940
0.480000	0.093202	0.017895	0.000000	0.000940
0.497778	0.093202	0.018558	0.000000	0.000940
0.515556	0.093202	0.019220	0.000000	0.000940
0.533333	0.093202	0.019883	0.000000	0.000940
0.551111	0.093202	0.020546	0.000000	0.000940
0.568889	0.093202	0.021209	0.000000	0.000940
0.586667	0.093202	0.021872	0.000000	0.000940
0.604444	0.093202	0.022534	0.000000	0.000940
0.622222	0.093202	0.023197	0.000000	0.000940
0.640000	0.093202	0.023860	0.000000	0.000940
0.657778	0.093202	0.024523	0.000000	0.000940
0.675556	0.093202	0.025185	0.000000	0.000940
0.693333	0.093202	0.025848	0.000000	0.000940
0.711111	0.093202	0.026511	0.000000	0.000940
0.728889	0.093202	0.027174	0.000000	0.000940
0.746667	0.093202	0.027836	0.000000	0.000940
0.764444	0.093202	0.028499	0.000000	0.000940
0.782222	0.093202	0.029162	0.000000	0.000940
0.800000	0.093202	0.029825	0.000000	0.000940
0.817778	0.093202	0.030488	0.000000	0.000940
0.835556	0.093202	0.031150	0.000000	0.000940
0.853333	0.093202	0.031813	0.000000	0.000940
0.871111	0.093202	0.032476	0.000000	0.000940
0.888889	0.093202	0.033139	0.000000	0.000940
0.906667	0.093202	0.033801	0.000000	0.000940
0.924444	0.093202	0.034464	0.000000	0.000940
0.942222	0.093202	0.035127	0.000000	0.000940
0.960000	0.093202	0.035790	0.000000	0.000940
0.977778	0.093202	0.036453	0.000000	0.000940
0.995556	0.093202	0.037115	0.000000	0.000940
1.013333	0.093202	0.037778	0.112806	0.000940
1.031111	0.093202	0.038441	0.172313	0.000940
1.048889	0.093202	0.039104	0.216006	0.000940
1.066667	0.093202	0.039766	0.252241	0.000940
1.084444	0.093202	0.040429	0.283888	0.000940
1.102222	0.093202	0.041092	0.312345	0.000940
1.120000	0.093202	0.041755	0.338417	0.000940
1.137778	0.093202	0.042417	0.362619	0.000940
1.155556	0.093202	0.043080	0.385304	0.000940
1.173333	0.093202	0.043743	0.406726	0.000940
1.191111	0.093202	0.044406	0.427075	0.000940
1.208889	0.093202	0.045069	0.446497	0.000940
1.226667	0.093202	0.045731	0.465109	0.000940

1.244444	0.093202	0.046394	0.483005	0.000940
1.262222	0.093202	0.047057	0.500260	0.000940
1.280000	0.093202	0.047720	0.516940	0.000940
1.297778	0.093202	0.048382	0.533098	0.000940
1.315556	0.093202	0.049045	0.548781	0.000940
1.333333	0.093202	0.049708	0.564028	0.000940
1.351111	0.093202	0.050371	0.578873	0.000940
1.368889	0.093202	0.051034	0.593347	0.000940
1.386667	0.093202	0.051696	0.607477	0.000940
1.404444	0.093202	0.052359	0.621285	0.000940
1.422222	0.093202	0.053022	0.634792	0.000940
1.440000	0.093202	0.053685	0.648019	0.000940
1.457778	0.093202	0.054347	0.660980	0.000940
1.475556	0.093202	0.055010	0.673693	0.000940
1.493333	0.093202	0.055673	0.686170	0.000940
1.511111	0.093202	0.056336	0.698424	0.000940
1.528889	0.093202	0.056998	0.710466	0.000940
1.546667	0.093202	0.057661	0.722308	0.000940
1.564444	0.093202	0.058324	0.733959	0.000940
1.582222	0.093202	0.058987	0.745428	0.000940
1.600000	0.093202	0.059650	0.756723	0.000940

END FTABLE 3

FTABLE 4

91	5						
Depth	Area	Volume	Outflow1	Outflow2	Velocity	Travel Time***	
(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec)	(Minutes)***	
0.000000	0.138241	0.000000	0.000000	0.000000			
0.017778	0.138241	0.000983	0.000000	0.001394			
0.035556	0.138241	0.001966	0.000000	0.001394			
0.053333	0.138241	0.002949	0.000000	0.001394			
0.071111	0.138241	0.003932	0.000000	0.001394			
0.088889	0.138241	0.004915	0.000000	0.001394			
0.106667	0.138241	0.005898	0.000000	0.001394			
0.124444	0.138241	0.006881	0.000000	0.001394			
0.142222	0.138241	0.007864	0.000000	0.001394			
0.160000	0.138241	0.008847	0.000000	0.001394			
0.177778	0.138241	0.009830	0.000000	0.001394			
0.195556	0.138241	0.010813	0.000000	0.001394			
0.213333	0.138241	0.011797	0.000000	0.001394			
0.231111	0.138241	0.012780	0.000000	0.001394			
0.248889	0.138241	0.013763	0.000000	0.001394			
0.266667	0.138241	0.014746	0.000000	0.001394			
0.284444	0.138241	0.015729	0.000000	0.001394			
0.302222	0.138241	0.016712	0.000000	0.001394			
0.320000	0.138241	0.017695	0.000000	0.001394			
0.337778	0.138241	0.018678	0.000000	0.001394			
0.355556	0.138241	0.019661	0.000000	0.001394			
0.373333	0.138241	0.020644	0.000000	0.001394			
0.391111	0.138241	0.021627	0.000000	0.001394			
0.408889	0.138241	0.022610	0.000000	0.001394			
0.426667	0.138241	0.023593	0.000000	0.001394			
0.444444	0.138241	0.024576	0.000000	0.001394			
0.462222	0.138241	0.025559	0.000000	0.001394			
0.480000	0.138241	0.026542	0.000000	0.001394			
0.497778	0.138241	0.027525	0.000000	0.001394			
0.515556	0.138241	0.028508	0.000000	0.001394			
0.533333	0.138241	0.029491	0.000000	0.001394			
0.551111	0.138241	0.030474	0.000000	0.001394			
0.568889	0.138241	0.031457	0.000000	0.001394			
0.586667	0.138241	0.032440	0.000000	0.001394			
0.604444	0.138241	0.033424	0.000000	0.001394			
0.622222	0.138241	0.034407	0.000000	0.001394			
0.640000	0.138241	0.035390	0.000000	0.001394			
0.657778	0.138241	0.036373	0.000000	0.001394			
0.675556	0.138241	0.037356	0.000000	0.001394			
0.693333	0.138241	0.038339	0.000000	0.001394			
0.711111	0.138241	0.039322	0.000000	0.001394			
0.728889	0.138241	0.040305	0.000000	0.001394			
0.746667	0.138241	0.041288	0.000000	0.001394			
0.764444	0.138241	0.042271	0.000000	0.001394			

0.782222	0.138241	0.043254	0.000000	0.001394
0.800000	0.138241	0.044237	0.000000	0.001394
0.817778	0.138241	0.045220	0.000000	0.001394
0.835556	0.138241	0.046203	0.000000	0.001394
0.853333	0.138241	0.047186	0.000000	0.001394
0.871111	0.138241	0.048169	0.000000	0.001394
0.888889	0.138241	0.049152	0.000000	0.001394
0.906667	0.138241	0.050135	0.000000	0.001394
0.924444	0.138241	0.051118	0.000000	0.001394
0.942222	0.138241	0.052101	0.000000	0.001394
0.960000	0.138241	0.053084	0.000000	0.001394
0.977778	0.138241	0.054067	0.000000	0.001394
0.995556	0.138241	0.055050	0.000000	0.001394
1.013333	0.138241	0.056034	0.112806	0.001394
1.031111	0.138241	0.057017	0.172313	0.001394
1.048889	0.138241	0.058000	0.216006	0.001394
1.066667	0.138241	0.058983	0.252241	0.001394
1.084444	0.138241	0.059966	0.283888	0.001394
1.102222	0.138241	0.060949	0.312345	0.001394
1.120000	0.138241	0.061932	0.338417	0.001394
1.137778	0.138241	0.062915	0.362619	0.001394
1.155556	0.138241	0.063898	0.385304	0.001394
1.173333	0.138241	0.064881	0.406726	0.001394
1.191111	0.138241	0.065864	0.427075	0.001394
1.208889	0.138241	0.066847	0.446497	0.001394
1.226667	0.138241	0.067830	0.465109	0.001394
1.244444	0.138241	0.068813	0.483005	0.001394
1.262222	0.138241	0.069796	0.500260	0.001394
1.280000	0.138241	0.070779	0.516940	0.001394
1.297778	0.138241	0.071762	0.533098	0.001394
1.315556	0.138241	0.072745	0.548781	0.001394
1.333333	0.138241	0.073728	0.564028	0.001394
1.351111	0.138241	0.074711	0.578873	0.001394
1.368889	0.138241	0.075694	0.593347	0.001394
1.386667	0.138241	0.076677	0.607477	0.001394
1.404444	0.138241	0.077660	0.621285	0.001394
1.422222	0.138241	0.078644	0.634792	0.001394
1.440000	0.138241	0.079627	0.648019	0.001394
1.457778	0.138241	0.080610	0.660980	0.001394
1.475556	0.138241	0.081593	0.673693	0.001394
1.493333	0.138241	0.082576	0.686170	0.001394
1.511111	0.138241	0.083559	0.698424	0.001394
1.528889	0.138241	0.084542	0.710466	0.001394
1.546667	0.138241	0.085525	0.722308	0.001394
1.564444	0.138241	0.086508	0.733959	0.001394
1.582222	0.138241	0.087491	0.745428	0.001394
1.600000	0.138241	0.088474	0.756723	0.001395

END FTABLE 4

FTABLE 5

91	5						
Depth	Area	Volume	Outflow1	Outflow2	Velocity	Travel Time***	
(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec)	(Minutes)***	
0.000000	0.316061	0.000000	0.000000	0.000000			
0.017778	0.316061	0.002248	0.000000	0.003187			
0.035556	0.316061	0.004495	0.000000	0.003187			
0.053333	0.316061	0.006743	0.000000	0.003187			
0.071111	0.316061	0.008990	0.000000	0.003187			
0.088889	0.316061	0.011238	0.000000	0.003187			
0.106667	0.316061	0.013485	0.000000	0.003187			
0.124444	0.316061	0.015733	0.000000	0.003187			
0.142222	0.316061	0.017980	0.000000	0.003187			
0.160000	0.316061	0.020228	0.000000	0.003187			
0.177778	0.316061	0.022475	0.000000	0.003187			
0.195556	0.316061	0.024723	0.000000	0.003187			
0.213333	0.316061	0.026971	0.000000	0.003187			
0.231111	0.316061	0.029218	0.000000	0.003187			
0.248889	0.316061	0.031466	0.000000	0.003187			
0.266667	0.316061	0.033713	0.000000	0.003187			
0.284444	0.316061	0.035961	0.000000	0.003187			
0.302222	0.316061	0.038208	0.000000	0.003187			

0.320000	0.316061	0.040456	0.000000	0.003187
0.337778	0.316061	0.042703	0.000000	0.003187
0.355556	0.316061	0.044951	0.000000	0.003187
0.373333	0.316061	0.047198	0.000000	0.003187
0.391111	0.316061	0.049446	0.000000	0.003187
0.408889	0.316061	0.051693	0.000000	0.003187
0.426667	0.316061	0.053941	0.000000	0.003187
0.444444	0.316061	0.056189	0.000000	0.003187
0.462222	0.316061	0.058436	0.000000	0.003187
0.480000	0.316061	0.060684	0.000000	0.003187
0.497778	0.316061	0.062931	0.000000	0.003187
0.515556	0.316061	0.065179	0.000000	0.003187
0.533333	0.316061	0.067426	0.000000	0.003187
0.551111	0.316061	0.069674	0.000000	0.003187
0.568889	0.316061	0.071921	0.000000	0.003187
0.586667	0.316061	0.074169	0.000000	0.003187
0.604444	0.316061	0.076416	0.000000	0.003187
0.622222	0.316061	0.078664	0.000000	0.003187
0.640000	0.316061	0.080912	0.000000	0.003187
0.657778	0.316061	0.083159	0.000000	0.003187
0.675556	0.316061	0.085407	0.000000	0.003187
0.693333	0.316061	0.087654	0.000000	0.003187
0.711111	0.316061	0.089902	0.000000	0.003187
0.728889	0.316061	0.092149	0.000000	0.003187
0.746667	0.316061	0.094397	0.000000	0.003187
0.764444	0.316061	0.096644	0.000000	0.003187
0.782222	0.316061	0.098892	0.000000	0.003187
0.800000	0.316061	0.101139	0.000000	0.003187
0.817778	0.316061	0.103387	0.000000	0.003187
0.835556	0.316061	0.105634	0.000000	0.003187
0.853333	0.316061	0.107882	0.000000	0.003187
0.871111	0.316061	0.110130	0.000000	0.003187
0.888889	0.316061	0.112377	0.000000	0.003187
0.906667	0.316061	0.114625	0.000000	0.003187
0.924444	0.316061	0.116872	0.000000	0.003187
0.942222	0.316061	0.119120	0.000000	0.003187
0.960000	0.316061	0.121367	0.000000	0.003187
0.977778	0.316061	0.123615	0.000000	0.003187
0.995556	0.316061	0.125862	0.000000	0.003187
1.013333	0.316061	0.128110	0.112806	0.003187
1.031111	0.316061	0.130357	0.172313	0.003187
1.048889	0.316061	0.132605	0.216006	0.003187
1.066667	0.316061	0.134853	0.252241	0.003187
1.084444	0.316061	0.137100	0.283888	0.003187
1.102222	0.316061	0.139348	0.312345	0.003187
1.120000	0.316061	0.141595	0.338417	0.003187
1.137778	0.316061	0.143843	0.362619	0.003187
1.155556	0.316061	0.146090	0.385304	0.003187
1.173333	0.316061	0.148338	0.406726	0.003187
1.191111	0.316061	0.150585	0.427075	0.003187
1.208889	0.316061	0.152833	0.446497	0.003187
1.226667	0.316061	0.155080	0.465109	0.003187
1.244444	0.316061	0.157328	0.483005	0.003187
1.262222	0.316061	0.159575	0.500260	0.003187
1.280000	0.316061	0.161823	0.516940	0.003187
1.297778	0.316061	0.164071	0.533098	0.003187
1.315556	0.316061	0.166318	0.548781	0.003187
1.333333	0.316061	0.168566	0.564028	0.003187
1.351111	0.316061	0.170813	0.578873	0.003187
1.368889	0.316061	0.173061	0.593347	0.003187
1.386667	0.316061	0.175308	0.607477	0.003187
1.404444	0.316061	0.177556	0.621285	0.003187
1.422222	0.316061	0.179803	0.634792	0.003187
1.440000	0.316061	0.182051	0.648019	0.003187
1.457778	0.316061	0.184298	0.660980	0.003187
1.475556	0.316061	0.186546	0.673693	0.003187
1.493333	0.316061	0.188794	0.686170	0.003187
1.511111	0.316061	0.191041	0.698424	0.003187
1.528889	0.316061	0.193289	0.710466	0.003187
1.546667	0.316061	0.195536	0.722308	0.003187

1.564444	0.316061	0.197784	0.733959	0.003187
1.582222	0.316061	0.200031	0.745428	0.003187
1.600000	0.316061	0.202279	0.756723	0.003187
END FTABLE	5			
FTABLE	6			

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.177374	0.000000	0.000000	0.000000		
0.017778	0.177374	0.001261	0.000000	0.001789		
0.035556	0.177374	0.002523	0.000000	0.001789		
0.053333	0.177374	0.003784	0.000000	0.001789		
0.071111	0.177374	0.005045	0.000000	0.001789		
0.088889	0.177374	0.006307	0.000000	0.001789		
0.106667	0.177374	0.007568	0.000000	0.001789		
0.124444	0.177374	0.008829	0.000000	0.001789		
0.142222	0.177374	0.010091	0.000000	0.001789		
0.160000	0.177374	0.011352	0.000000	0.001789		
0.177778	0.177374	0.012613	0.000000	0.001789		
0.195556	0.177374	0.013875	0.000000	0.001789		
0.213333	0.177374	0.015136	0.000000	0.001789		
0.231111	0.177374	0.016397	0.000000	0.001789		
0.248889	0.177374	0.017659	0.000000	0.001789		
0.266667	0.177374	0.018920	0.000000	0.001789		
0.284444	0.177374	0.020181	0.000000	0.001789		
0.302222	0.177374	0.021443	0.000000	0.001789		
0.320000	0.177374	0.022704	0.000000	0.001789		
0.337778	0.177374	0.023965	0.000000	0.001789		
0.355556	0.177374	0.025227	0.000000	0.001789		
0.373333	0.177374	0.026488	0.000000	0.001789		
0.391111	0.177374	0.027749	0.000000	0.001789		
0.408889	0.177374	0.029010	0.000000	0.001789		
0.426667	0.177374	0.030272	0.000000	0.001789		
0.444444	0.177374	0.031533	0.000000	0.001789		
0.462222	0.177374	0.032794	0.000000	0.001789		
0.480000	0.177374	0.034056	0.000000	0.001789		
0.497778	0.177374	0.035317	0.000000	0.001789		
0.515556	0.177374	0.036578	0.000000	0.001789		
0.533333	0.177374	0.037840	0.000000	0.001789		
0.551111	0.177374	0.039101	0.000000	0.001789		
0.568889	0.177374	0.040362	0.000000	0.001789		
0.586667	0.177374	0.041624	0.000000	0.001789		
0.604444	0.177374	0.042885	0.000000	0.001789		
0.622222	0.177374	0.044146	0.000000	0.001789		
0.640000	0.177374	0.045408	0.000000	0.001789		
0.657778	0.177374	0.046669	0.000000	0.001789		
0.675556	0.177374	0.047930	0.000000	0.001789		
0.693333	0.177374	0.049192	0.000000	0.001789		
0.711111	0.177374	0.050453	0.000000	0.001789		
0.728889	0.177374	0.051714	0.000000	0.001789		
0.746667	0.177374	0.052976	0.000000	0.001789		
0.764444	0.177374	0.054237	0.000000	0.001789		
0.782222	0.177374	0.055498	0.000000	0.001789		
0.800000	0.177374	0.056760	0.000000	0.001789		
0.817778	0.177374	0.058021	0.000000	0.001789		
0.835556	0.177374	0.059282	0.000000	0.001789		
0.853333	0.177374	0.060544	0.000000	0.001789		
0.871111	0.177374	0.061805	0.000000	0.001789		
0.888889	0.177374	0.063066	0.000000	0.001789		
0.906667	0.177374	0.064328	0.000000	0.001789		
0.924444	0.177374	0.065589	0.000000	0.001789		
0.942222	0.177374	0.066850	0.000000	0.001789		
0.960000	0.177374	0.068112	0.000000	0.001789		
0.977778	0.177374	0.069373	0.000000	0.001789		
0.995556	0.177374	0.070634	0.000000	0.001789		
1.013333	0.177374	0.071896	0.112806	0.001789		
1.031111	0.177374	0.073157	0.172313	0.001789		
1.048889	0.177374	0.074418	0.216006	0.001789		
1.066667	0.177374	0.075680	0.252241	0.001789		
1.084444	0.177374	0.076941	0.283888	0.001789		

1.102222	0.177374	0.078202	0.312345	0.001789
1.120000	0.177374	0.079464	0.338417	0.001789
1.137778	0.177374	0.080725	0.362619	0.001789
1.155556	0.177374	0.081986	0.385304	0.001789
1.173333	0.177374	0.083248	0.406726	0.001789
1.191111	0.177374	0.084509	0.427075	0.001789
1.208889	0.177374	0.085770	0.446497	0.001789
1.226667	0.177374	0.087031	0.465109	0.001789
1.244444	0.177374	0.088293	0.483005	0.001789
1.262222	0.177374	0.089554	0.500260	0.001789
1.280000	0.177374	0.090815	0.516940	0.001789
1.297778	0.177374	0.092077	0.533098	0.001789
1.315556	0.177374	0.093338	0.548781	0.001789
1.333333	0.177374	0.094599	0.564028	0.001789
1.351111	0.177374	0.095861	0.578873	0.001789
1.368889	0.177374	0.097122	0.593347	0.001789
1.386667	0.177374	0.098383	0.607477	0.001789
1.404444	0.177374	0.099645	0.621285	0.001789
1.422222	0.177374	0.100906	0.634792	0.001789
1.440000	0.177374	0.102167	0.648019	0.001789
1.457778	0.177374	0.103429	0.660980	0.001789
1.475556	0.177374	0.104690	0.673693	0.001789
1.493333	0.177374	0.105951	0.686170	0.001789
1.511111	0.177374	0.107213	0.698424	0.001789
1.528889	0.177374	0.108474	0.710466	0.001789
1.546667	0.177374	0.109735	0.722308	0.001789
1.564444	0.177374	0.110997	0.733959	0.001789
1.582222	0.177374	0.112258	0.745428	0.001789
1.600000	0.177374	0.113519	0.756723	0.001789

END FTABLE 6

FTABLE 8

72	5	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.009781	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.009781	0.000203	0.000000	0.000000	0.000000	0.000000		
0.098901	0.009781	0.000406	0.000000	0.000000	0.000000	0.000000		
0.148352	0.009781	0.000609	0.000000	0.000000	0.000000	0.000000		
0.197802	0.009781	0.000813	0.000000	0.000000	0.000000	0.000197		
0.247253	0.009781	0.001016	0.000000	0.000000	0.000000	0.000197		
0.296703	0.009781	0.001219	0.000000	0.000000	0.000000	0.000197		
0.346154	0.009781	0.001422	0.000000	0.000000	0.000000	0.000197		
0.395604	0.009781	0.001625	0.000000	0.000000	0.000000	0.000197		
0.445055	0.009781	0.001828	0.000000	0.000000	0.000000	0.000197		
0.494505	0.009781	0.002031	0.000000	0.000000	0.000000	0.000197		
0.543956	0.009781	0.002235	0.000000	0.000000	0.000000	0.000197		
0.593407	0.009781	0.002438	0.000000	0.000000	0.000000	0.000197		
0.642857	0.009781	0.002641	0.000000	0.000000	0.000000	0.000197		
0.692308	0.009781	0.002844	0.000000	0.000000	0.000000	0.000197		
0.741758	0.009781	0.003047	0.000000	0.000000	0.000000	0.000197		
0.791209	0.009781	0.003250	0.000000	0.000000	0.000000	0.000197		
0.840659	0.009781	0.003453	0.000000	0.000000	0.000000	0.000197		
0.890110	0.009781	0.003657	0.000000	0.000000	0.000000	0.000197		
0.939560	0.009781	0.003860	0.000000	0.000000	0.000000	0.000197		
0.989011	0.009781	0.004063	0.000000	0.000000	0.000000	0.000197		
1.038462	0.009781	0.004266	0.000000	0.000000	0.000000	0.000197		
1.087912	0.009781	0.004469	0.000000	0.000000	0.000000	0.000197		
1.137363	0.009781	0.004672	0.000000	0.000171	0.000000	0.000197		
1.186813	0.009781	0.004875	0.000000	0.000242	0.000000	0.000197		
1.236264	0.009781	0.005079	0.000000	0.000297	0.000000	0.000197		
1.285714	0.009781	0.005282	0.000000	0.000343	0.000000	0.000197		
1.335165	0.009781	0.005485	0.000000	0.000384	0.000000	0.000197		
1.384615	0.009781	0.005688	0.000000	0.000420	0.000000	0.000197		
1.434066	0.009781	0.005891	0.000000	0.000454	0.000000	0.000197		
1.483516	0.009781	0.006094	0.000000	0.000485	0.000000	0.000197		
1.532967	0.009781	0.006297	0.000000	0.000515	0.000000	0.000197		
1.582418	0.009781	0.006501	0.000000	0.000543	0.000000	0.000197		
1.631868	0.009781	0.006704	0.000000	0.000569	0.000000	0.000197		
1.681319	0.009781	0.006907	0.000000	0.000595	0.000000	0.000197		
1.730769	0.009781	0.007110	0.000000	0.000619	0.000000	0.000197		

1.780220	0.009781	0.007313	0.000642	0.000197
1.829670	0.009781	0.007516	0.000665	0.000197
1.879121	0.009781	0.007719	0.000687	0.000197
1.928571	0.009781	0.007923	0.000708	0.000197
1.978022	0.009781	0.008126	0.000728	0.000197
2.027473	0.009781	0.008326	0.000748	0.000197
2.076923	0.009781	0.008527	0.000768	0.000197
2.126374	0.009781	0.008728	0.000787	0.000197
2.175824	0.009781	0.008929	0.000805	0.000197
2.225275	0.009781	0.009129	0.000823	0.000197
2.274725	0.009781	0.009330	0.000841	0.000197
2.324176	0.009781	0.009531	0.000858	0.000197
2.373626	0.009781	0.009732	0.000875	0.000197
2.423077	0.009781	0.009932	0.000892	0.000197
2.472527	0.009781	0.010133	0.000909	0.000197
2.521978	0.009781	0.010334	0.000925	0.000197
2.571429	0.009781	0.010534	0.000941	0.000197
2.620879	0.009781	0.010735	0.000956	0.000197
2.670330	0.009781	0.010936	0.000972	0.000197
2.719780	0.009781	0.011137	0.000987	0.000197
2.769231	0.009781	0.011337	0.001002	0.000197
2.818681	0.009781	0.011538	0.001017	0.000197
2.868132	0.009781	0.011739	0.001032	0.000197
2.917582	0.009781	0.011940	0.001047	0.000197
2.967033	0.009781	0.012140	0.001062	0.000197
3.016484	0.009781	0.012341	0.001090	0.000197
3.065934	0.009781	0.012542	0.001103	0.000197
3.115385	0.009781	0.012742	0.001116	0.000197
3.164835	0.009781	0.012943	0.001129	0.000197
3.214286	0.009781	0.013144	0.001142	0.000197
3.263736	0.009781	0.013345	0.001155	0.000197
3.313187	0.009781	0.013545	0.001167	0.000197
3.362637	0.009781	0.013746	0.001180	0.000197
3.412088	0.009781	0.013947	0.001192	0.000197
3.461538	0.009781	0.014148	0.001204	0.000197
3.500000	0.009781	0.028607	0.001214	0.000197

END FTABLE 8
 FTABLE 7
 22 6

Time*** (Minutes)***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
-------------------------	---------------	-----------------	---------------------	-------------------	-------------------	--------------------	----------------------	--------

0.000000	0.009781	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.009781	0.000484	0.000000	0.000000	0.001401	0.000000		
0.098901	0.009781	0.000967	0.000000	0.000000	0.001401	0.000000		
0.148352	0.009781	0.001451	0.000000	0.000000	0.001401	0.000000		
0.197802	0.009781	0.001935	0.000000	0.000000	0.001401	0.000000		
0.247253	0.009781	0.002418	0.000000	0.000000	0.001401	0.000000		
0.296703	0.009781	0.002902	0.000000	0.000000	0.001401	0.000000		
0.346154	0.009781	0.003386	0.000000	0.000000	0.001401	0.000000		
0.395604	0.009781	0.003869	0.000000	0.000000	0.001401	0.000000		
0.445055	0.009781	0.004353	0.000000	0.000000	0.001401	0.000000		
0.494505	0.009781	0.004837	0.000000	0.000000	0.001401	0.000000		
0.543956	0.009781	0.005320	0.000000	0.000000	0.001401	0.000000		
0.593407	0.009781	0.005804	0.000000	0.000000	0.001401	0.000000		
0.642857	0.009781	0.006288	0.000000	0.000000	0.001401	0.000000		
0.692308	0.009781	0.006771	0.000000	0.000000	0.001401	0.000000		
0.741758	0.009781	0.007255	0.000000	0.000000	0.001401	0.000000		
0.791209	0.009781	0.007739	0.000000	0.000000	0.001401	0.000000		
0.840659	0.009781	0.008222	0.000000	0.007786	0.001401	0.000000		
0.890110	0.009781	0.008706	0.103770	0.001401	0.001401	0.000000		
0.939560	0.009781	0.009190	0.250206	0.001401	0.001401	0.000000		
0.989011	0.009781	0.009674	0.416260	0.001401	0.001401	0.000000		
1.000000	0.009781	0.009781	0.572728	0.001401	0.001401	0.000000		

END FTABLE 7
 FTABLE 10
 72 5

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
---------------	-----------------	---------------------	-------------------	-------------------	----------------------	--------------------------------

0.000000	0.133402	0.000000	0.000000	0.000000
0.049451	0.133402	0.002771	0.000000	0.000000
0.098901	0.133402	0.005541	0.000000	0.000000
0.148352	0.133402	0.008312	0.000000	0.000000
0.197802	0.133402	0.011083	0.000000	0.002690
0.247253	0.133402	0.013853	0.000000	0.002690
0.296703	0.133402	0.016624	0.000000	0.002690
0.346154	0.133402	0.019395	0.000000	0.002690
0.395604	0.133402	0.022165	0.000000	0.002690
0.445055	0.133402	0.024936	0.000000	0.002690
0.494505	0.133402	0.027707	0.000000	0.002690
0.543956	0.133402	0.030477	0.000000	0.002690
0.593407	0.133402	0.033248	0.000000	0.002690
0.642857	0.133402	0.036019	0.000000	0.002690
0.692308	0.133402	0.038789	0.000000	0.002690
0.741758	0.133402	0.041560	0.000000	0.002690
0.791209	0.133402	0.044331	0.000000	0.002690
0.840659	0.133402	0.047101	0.000000	0.002690
0.890110	0.133402	0.049872	0.000000	0.002690
0.939560	0.133402	0.052643	0.000000	0.002690
0.989011	0.133402	0.055413	0.000000	0.002690
1.038462	0.133402	0.058184	0.000000	0.002690
1.087912	0.133402	0.060955	0.000000	0.002690
1.137363	0.133402	0.063725	0.004279	0.002690
1.186813	0.133402	0.066496	0.006062	0.002690
1.236264	0.133402	0.069267	0.007429	0.002690
1.285714	0.133402	0.072037	0.008580	0.002690
1.335165	0.133402	0.074808	0.009594	0.002690
1.384615	0.133402	0.077579	0.010511	0.002690
1.434066	0.133402	0.080349	0.011353	0.002690
1.483516	0.133402	0.083120	0.012137	0.002690
1.532967	0.133402	0.085890	0.012873	0.002690
1.582418	0.133402	0.088661	0.013570	0.002690
1.631868	0.133402	0.091432	0.014232	0.002690
1.681319	0.133402	0.094202	0.014865	0.002690
1.730769	0.133402	0.096973	0.015472	0.002690
1.780220	0.133402	0.099744	0.016056	0.002690
1.829670	0.133402	0.102514	0.016620	0.002690
1.879121	0.133402	0.105285	0.017165	0.002690
1.928571	0.133402	0.108056	0.017693	0.002690
1.978022	0.133402	0.110826	0.018206	0.002690
2.027473	0.133402	0.113564	0.018705	0.002690
2.076923	0.133402	0.116302	0.019192	0.002690
2.126374	0.133402	0.119039	0.019666	0.002690
2.175824	0.133402	0.121777	0.020129	0.002690
2.225275	0.133402	0.124515	0.020582	0.002690
2.274725	0.133402	0.127253	0.021026	0.002690
2.324176	0.133402	0.129990	0.021460	0.002690
2.373626	0.133402	0.132728	0.021887	0.002690
2.423077	0.133402	0.135466	0.022305	0.002690
2.472527	0.133402	0.138203	0.022716	0.002690
2.521978	0.133402	0.140941	0.023120	0.002690
2.571429	0.133402	0.143679	0.023517	0.002690
2.620879	0.133402	0.146416	0.023909	0.002690
2.670330	0.133402	0.149154	0.024295	0.002690
2.719780	0.133402	0.151892	0.024676	0.002690
2.769231	0.133402	0.154629	0.025052	0.002690
2.818681	0.133402	0.157367	0.025425	0.002690
2.868132	0.133402	0.160105	0.025796	0.002690
2.917582	0.133402	0.162842	0.026167	0.002690
2.967033	0.133402	0.165580	0.026548	0.002690
3.016484	0.133402	0.168318	0.027248	0.002690
3.065934	0.133402	0.171055	0.027580	0.002690
3.115385	0.133402	0.173793	0.027909	0.002690
3.164835	0.133402	0.176531	0.028233	0.002690
3.214286	0.133402	0.179268	0.028554	0.002690
3.263736	0.133402	0.182006	0.028871	0.002690
3.313187	0.133402	0.184744	0.029184	0.002690
3.362637	0.133402	0.187481	0.029495	0.002690
3.412088	0.133402	0.190219	0.029802	0.002690

3.461538	0.133402	0.192957	0.030106	0.002690		
3.500000	0.133402	0.390172	0.030340	0.002690		
END FTABLE 10						
FTABLE 9						
22 6						
Time***	Depth	Area	Volume	Outflow1	Outflow2	outflow 3 Velocity Travel
(Minutes)***	(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(cfs) (ft/sec)
0.000000	0.133402	0.000000	0.000000	0.000000	0.000000	0.000000
0.049451	0.133402	0.006597	0.000000	0.032796	0.000000	0.000000
0.098901	0.133402	0.013194	0.000000	0.032796	0.000000	0.000000
0.148352	0.133402	0.019790	0.000000	0.032796	0.000000	0.000000
0.197802	0.133402	0.026387	0.000000	0.032796	0.000000	0.000000
0.247253	0.133402	0.032984	0.000000	0.032796	0.000000	0.000000
0.296703	0.133402	0.039581	0.000000	0.032796	0.000000	0.000000
0.346154	0.133402	0.046178	0.000000	0.032796	0.000000	0.000000
0.395604	0.133402	0.052774	0.000000	0.032796	0.000000	0.000000
0.445055	0.133402	0.059371	0.000000	0.032796	0.000000	0.000000
0.494505	0.133402	0.065968	0.000000	0.032796	0.000000	0.000000
0.543956	0.133402	0.072565	0.000000	0.032796	0.000000	0.000000
0.593407	0.133402	0.079162	0.000000	0.032796	0.000000	0.000000
0.642857	0.133402	0.085759	0.000000	0.032796	0.000000	0.000000
0.692308	0.133402	0.092355	0.000000	0.032796	0.000000	0.000000
0.741758	0.133402	0.098952	0.000000	0.032796	0.000000	0.000000
0.791209	0.133402	0.105549	0.000000	0.032796	0.000000	0.000000
0.840659	0.133402	0.112146	0.007786	0.032796	0.000000	0.000000
0.890110	0.133402	0.118743	0.103770	0.032796	0.000000	0.000000
0.939560	0.133402	0.125339	0.250206	0.032796	0.000000	0.000000
0.989011	0.133402	0.131936	0.416260	0.032796	0.000000	0.000000
1.000000	0.133402	0.133402	0.572728	0.032796	0.000000	0.000000
END FTABLE 9						
FTABLE 12						
72 5						
	Depth	Area	Volume	Outflow1	Outflow2	Velocity Travel Time***
	(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec) (Minutes)***
0.000000	0.006612	0.000000	0.000000	0.000000	0.000000	
0.049451	0.006612	0.000137	0.000000	0.000000	0.000000	
0.098901	0.006612	0.000275	0.000000	0.000000	0.000000	
0.148352	0.006612	0.000412	0.000000	0.000000	0.000000	
0.197802	0.006612	0.000549	0.000000	0.000133	0.000133	
0.247253	0.006612	0.000687	0.000000	0.000133	0.000133	
0.296703	0.006612	0.000824	0.000000	0.000133	0.000133	
0.346154	0.006612	0.000961	0.000000	0.000133	0.000133	
0.395604	0.006612	0.001099	0.000000	0.000133	0.000133	
0.445055	0.006612	0.001236	0.000000	0.000133	0.000133	
0.494505	0.006612	0.001373	0.000000	0.000133	0.000133	
0.543956	0.006612	0.001510	0.000000	0.000133	0.000133	
0.593407	0.006612	0.001648	0.000000	0.000133	0.000133	
0.642857	0.006612	0.001785	0.000000	0.000133	0.000133	
0.692308	0.006612	0.001922	0.000000	0.000133	0.000133	
0.741758	0.006612	0.002060	0.000000	0.000133	0.000133	
0.791209	0.006612	0.002197	0.000000	0.000133	0.000133	
0.840659	0.006612	0.002334	0.000000	0.000133	0.000133	
0.890110	0.006612	0.002472	0.000000	0.000133	0.000133	
0.939560	0.006612	0.002609	0.000000	0.000133	0.000133	
0.989011	0.006612	0.002746	0.000000	0.000133	0.000133	
1.038462	0.006612	0.002884	0.000000	0.000133	0.000133	
1.087912	0.006612	0.003021	0.000000	0.000133	0.000133	
1.137363	0.006612	0.003158	0.000685	0.000133	0.000133	
1.186813	0.006612	0.003296	0.000970	0.000133	0.000133	
1.236264	0.006612	0.003433	0.001189	0.000133	0.000133	
1.285714	0.006612	0.003570	0.001373	0.000133	0.000133	
1.335165	0.006612	0.003708	0.001535	0.000133	0.000133	
1.384615	0.006612	0.003845	0.001682	0.000133	0.000133	
1.434066	0.006612	0.003982	0.001816	0.000133	0.000133	
1.483516	0.006612	0.004120	0.001942	0.000133	0.000133	
1.532967	0.006612	0.004257	0.002060	0.000133	0.000133	
1.582418	0.006612	0.004394	0.002171	0.000133	0.000133	
1.631868	0.006612	0.004531	0.002277	0.000133	0.000133	

1.681319	0.006612	0.004669	0.002378	0.000133
1.730769	0.006612	0.004806	0.002476	0.000133
1.780220	0.006612	0.004943	0.002569	0.000133
1.829670	0.006612	0.005081	0.002659	0.000133
1.879121	0.006612	0.005218	0.002746	0.000133
1.928571	0.006612	0.005355	0.002831	0.000133
1.978022	0.006612	0.005493	0.002913	0.000133
2.027473	0.006612	0.005628	0.002993	0.000133
2.076923	0.006612	0.005764	0.003071	0.000133
2.126374	0.006612	0.005900	0.003147	0.000133
2.175824	0.006612	0.006035	0.003221	0.000133
2.225275	0.006612	0.006171	0.003293	0.000133
2.274725	0.006612	0.006307	0.003364	0.000133
2.324176	0.006612	0.006442	0.003434	0.000133
2.373626	0.006612	0.006578	0.003502	0.000133
2.423077	0.006612	0.006714	0.003569	0.000133
2.472527	0.006612	0.006850	0.003635	0.000133
2.521978	0.006612	0.006985	0.003699	0.000133
2.571429	0.006612	0.007121	0.003763	0.000133
2.620879	0.006612	0.007257	0.003825	0.000133
2.670330	0.006612	0.007392	0.003887	0.000133
2.719780	0.006612	0.007528	0.003948	0.000133
2.769231	0.006612	0.007664	0.004008	0.000133
2.818681	0.006612	0.007799	0.004068	0.000133
2.868132	0.006612	0.007935	0.004127	0.000133
2.917582	0.006612	0.008071	0.004187	0.000133
2.967033	0.006612	0.008206	0.004248	0.000133
3.016484	0.006612	0.008342	0.004360	0.000133
3.065934	0.006612	0.008478	0.004413	0.000133
3.115385	0.006612	0.008613	0.004465	0.000133
3.164835	0.006612	0.008749	0.004517	0.000133
3.214286	0.006612	0.008885	0.004569	0.000133
3.263736	0.006612	0.009020	0.004619	0.000133
3.313187	0.006612	0.009156	0.004669	0.000133
3.362637	0.006612	0.009292	0.004719	0.000133
3.412088	0.006612	0.009427	0.004768	0.000133
3.461538	0.006612	0.009563	0.004817	0.000133
3.500000	0.006612	0.019337	0.004854	0.000133

END FTABLE 12

FTABLE 11

22 6

Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
---------	---------------	-----------------	---------------------	-------------------	-------------------	--------------------	----------------------	--------

0.000000	0.006612	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.006612	0.000327	0.000000	0.000000	0.004950	0.000000		
0.098901	0.006612	0.000654	0.000000	0.000000	0.004950	0.000000		
0.148352	0.006612	0.000981	0.000000	0.000000	0.004950	0.000000		
0.197802	0.006612	0.001308	0.000000	0.000000	0.004950	0.000000		
0.247253	0.006612	0.001635	0.000000	0.000000	0.004950	0.000000		
0.296703	0.006612	0.001962	0.000000	0.000000	0.004950	0.000000		
0.346154	0.006612	0.002289	0.000000	0.000000	0.004950	0.000000		
0.395604	0.006612	0.002616	0.000000	0.000000	0.004950	0.000000		
0.445055	0.006612	0.002943	0.000000	0.000000	0.004950	0.000000		
0.494505	0.006612	0.003269	0.000000	0.000000	0.004950	0.000000		
0.543956	0.006612	0.003596	0.000000	0.000000	0.004950	0.000000		
0.593407	0.006612	0.003923	0.000000	0.000000	0.004950	0.000000		
0.642857	0.006612	0.004250	0.000000	0.000000	0.004950	0.000000		
0.692308	0.006612	0.004577	0.000000	0.000000	0.004950	0.000000		
0.741758	0.006612	0.004904	0.000000	0.000000	0.004950	0.000000		
0.791209	0.006612	0.005231	0.000000	0.000000	0.004950	0.000000		
0.840659	0.006612	0.005558	0.007786	0.004950	0.000000			
0.890110	0.006612	0.005885	0.103770	0.004950	0.000000			
0.939560	0.006612	0.006212	0.250206	0.004950	0.000000			
0.989011	0.006612	0.006539	0.416260	0.004950	0.000000			
1.000000	0.006612	0.006612	0.572728	0.004950	0.000000			

END FTABLE 11

FTABLE 14

72 5

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.048209	0.000000	0.000000	0.000000		
0.049451	0.048209	0.001001	0.000000	0.000000		
0.098901	0.048209	0.002003	0.000000	0.000000		
0.148352	0.048209	0.003004	0.000000	0.000000		
0.197802	0.048209	0.004005	0.000000	0.000972		
0.247253	0.048209	0.005006	0.000000	0.000972		
0.296703	0.048209	0.006008	0.000000	0.000972		
0.346154	0.048209	0.007009	0.000000	0.000972		
0.395604	0.048209	0.008010	0.000000	0.000972		
0.445055	0.048209	0.009011	0.000000	0.000972		
0.494505	0.048209	0.010013	0.000000	0.000972		
0.543956	0.048209	0.011014	0.000000	0.000972		
0.593407	0.048209	0.012015	0.000000	0.000972		
0.642857	0.048209	0.013017	0.000000	0.000972		
0.692308	0.048209	0.014018	0.000000	0.000972		
0.741758	0.048209	0.015019	0.000000	0.000972		
0.791209	0.048209	0.016020	0.000000	0.000972		
0.840659	0.048209	0.017022	0.000000	0.000972		
0.890110	0.048209	0.018023	0.000000	0.000972		
0.939560	0.048209	0.019024	0.000000	0.000972		
0.989011	0.048209	0.020025	0.000000	0.000972		
1.038462	0.048209	0.021027	0.000000	0.000972		
1.087912	0.048209	0.022028	0.000000	0.000972		
1.137363	0.048209	0.023029	0.001541	0.000972		
1.186813	0.048209	0.024031	0.002182	0.000972		
1.236264	0.048209	0.025032	0.002674	0.000972		
1.285714	0.048209	0.026033	0.003089	0.000972		
1.335165	0.048209	0.027034	0.003454	0.000972		
1.384615	0.048209	0.028036	0.003784	0.000972		
1.434066	0.048209	0.029037	0.004087	0.000972		
1.483516	0.048209	0.030038	0.004369	0.000972		
1.532967	0.048209	0.031039	0.004634	0.000972		
1.582418	0.048209	0.032041	0.004885	0.000972		
1.631868	0.048209	0.033042	0.005124	0.000972		
1.681319	0.048209	0.034043	0.005351	0.000972		
1.730769	0.048209	0.035045	0.005570	0.000972		
1.780220	0.048209	0.036046	0.005780	0.000972		
1.829670	0.048209	0.037047	0.005983	0.000972		
1.879121	0.048209	0.038048	0.006179	0.000972		
1.928571	0.048209	0.039050	0.006370	0.000972		
1.978022	0.048209	0.040051	0.006554	0.000972		
2.027473	0.048209	0.041040	0.006734	0.000972		
2.076923	0.048209	0.042030	0.006909	0.000972		
2.126374	0.048209	0.043019	0.007080	0.000972		
2.175824	0.048209	0.044008	0.007247	0.000972		
2.225275	0.048209	0.044998	0.007410	0.000972		
2.274725	0.048209	0.045987	0.007569	0.000972		
2.324176	0.048209	0.046976	0.007726	0.000972		
2.373626	0.048209	0.047966	0.007879	0.000972		
2.423077	0.048209	0.048955	0.008030	0.000972		
2.472527	0.048209	0.049944	0.008178	0.000972		
2.521978	0.048209	0.050934	0.008323	0.000972		
2.571429	0.048209	0.051923	0.008466	0.000972		
2.620879	0.048209	0.052912	0.008607	0.000972		
2.670330	0.048209	0.053902	0.008746	0.000972		
2.719780	0.048209	0.054891	0.008883	0.000972		
2.769231	0.048209	0.055880	0.009019	0.000972		
2.818681	0.048209	0.056870	0.009153	0.000972		
2.868132	0.048209	0.057859	0.009286	0.000972		
2.917582	0.048209	0.058849	0.009420	0.000972		
2.967033	0.048209	0.059838	0.009557	0.000972		
3.016484	0.048209	0.060827	0.009809	0.000972		
3.065934	0.048209	0.061817	0.009929	0.000972		
3.115385	0.048209	0.062806	0.010047	0.000972		
3.164835	0.048209	0.063795	0.010164	0.000972		
3.214286	0.048209	0.064785	0.010279	0.000972		
3.263736	0.048209	0.065774	0.010393	0.000972		
3.313187	0.048209	0.066763	0.010506	0.000972		

3.362637	0.048209	0.067753	0.010618	0.000972				
3.412088	0.048209	0.068742	0.010729	0.000972				
3.461538	0.048209	0.069731	0.010838	0.000972				
3.500000	0.048209	0.141002	0.010922	0.000972				
END FTABLE 14								
FTABLE 13								
22 6								
Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
(Minutes)***								
0.000000	0.048209	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.048209	0.002384	0.000000	0.011810	0.000000			
0.098901	0.048209	0.004768	0.000000	0.011810	0.000000			
0.148352	0.048209	0.007152	0.000000	0.011810	0.000000			
0.197802	0.048209	0.009536	0.000000	0.011810	0.000000			
0.247253	0.048209	0.011920	0.000000	0.011810	0.000000			
0.296703	0.048209	0.014304	0.000000	0.011810	0.000000			
0.346154	0.048209	0.016688	0.000000	0.011810	0.000000			
0.395604	0.048209	0.019072	0.000000	0.011810	0.000000			
0.445055	0.048209	0.021456	0.000000	0.011810	0.000000			
0.494505	0.048209	0.023840	0.000000	0.011810	0.000000			
0.543956	0.048209	0.026224	0.000000	0.011810	0.000000			
0.593407	0.048209	0.028608	0.000000	0.011810	0.000000			
0.642857	0.048209	0.030992	0.000000	0.011810	0.000000			
0.692308	0.048209	0.033376	0.000000	0.011810	0.000000			
0.741758	0.048209	0.035760	0.000000	0.011810	0.000000			
0.791209	0.048209	0.038144	0.000000	0.011810	0.000000			
0.840659	0.048209	0.040528	0.007786	0.011810	0.000000			
0.890110	0.048209	0.042912	0.103770	0.011810	0.000000			
0.939560	0.048209	0.045296	0.250206	0.011810	0.000000			
0.989011	0.048209	0.047680	0.416260	0.011810	0.000000			
1.000000	0.048209	0.048209	0.572728	0.011810	0.000000			
END FTABLE 13								
FTABLE 16								
72 5								
Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***	
0.000000	0.010992	0.000000	0.000000	0.000000	0.000000			
0.049451	0.010992	0.000228	0.000000	0.000000	0.000000			
0.098901	0.010992	0.000457	0.000000	0.000000	0.000000			
0.148352	0.010992	0.000685	0.000000	0.000000	0.000000			
0.197802	0.010992	0.000913	0.000000	0.000222	0.000000			
0.247253	0.010992	0.001141	0.000000	0.000222	0.000000			
0.296703	0.010992	0.001370	0.000000	0.000222	0.000000			
0.346154	0.010992	0.001598	0.000000	0.000222	0.000000			
0.395604	0.010992	0.001826	0.000000	0.000222	0.000000			
0.445055	0.010992	0.002055	0.000000	0.000222	0.000000			
0.494505	0.010992	0.002283	0.000000	0.000222	0.000000			
0.543956	0.010992	0.002511	0.000000	0.000222	0.000000			
0.593407	0.010992	0.002739	0.000000	0.000222	0.000000			
0.642857	0.010992	0.002968	0.000000	0.000222	0.000000			
0.692308	0.010992	0.003196	0.000000	0.000222	0.000000			
0.741758	0.010992	0.003424	0.000000	0.000222	0.000000			
0.791209	0.010992	0.003653	0.000000	0.000222	0.000000			
0.840659	0.010992	0.003881	0.000000	0.000222	0.000000			
0.890110	0.010992	0.004109	0.000000	0.000222	0.000000			
0.939560	0.010992	0.004338	0.000000	0.000222	0.000000			
0.989011	0.010992	0.004566	0.000000	0.000222	0.000000			
1.038462	0.010992	0.004794	0.000000	0.000222	0.000000			
1.087912	0.010992	0.005022	0.000000	0.000222	0.000000			
1.137363	0.010992	0.005251	0.000385	0.000222	0.000000			
1.186813	0.010992	0.005479	0.000546	0.000222	0.000000			
1.236264	0.010992	0.005707	0.000669	0.000222	0.000000			
1.285714	0.010992	0.005936	0.000772	0.000222	0.000000			
1.335165	0.010992	0.006164	0.000863	0.000222	0.000000			
1.384615	0.010992	0.006392	0.000946	0.000222	0.000000			
1.434066	0.010992	0.006620	0.001022	0.000222	0.000000			
1.483516	0.010992	0.006849	0.001092	0.000222	0.000000			
1.532967	0.010992	0.007077	0.001159	0.000222	0.000000			

1.582418	0.010992	0.007305	0.001221	0.000222
1.631868	0.010992	0.007534	0.001281	0.000222
1.681319	0.010992	0.007762	0.001338	0.000222
1.730769	0.010992	0.007990	0.001392	0.000222
1.780220	0.010992	0.008218	0.001445	0.000222
1.829670	0.010992	0.008447	0.001496	0.000222
1.879121	0.010992	0.008675	0.001545	0.000222
1.928571	0.010992	0.008903	0.001592	0.000222
1.978022	0.010992	0.009132	0.001639	0.000222
2.027473	0.010992	0.009357	0.001683	0.000222
2.076923	0.010992	0.009583	0.001727	0.000222
2.126374	0.010992	0.009808	0.001770	0.000222
2.175824	0.010992	0.010034	0.001812	0.000222
2.225275	0.010992	0.010259	0.001852	0.000222
2.274725	0.010992	0.010485	0.001892	0.000222
2.324176	0.010992	0.010711	0.001931	0.000222
2.373626	0.010992	0.010936	0.001970	0.000222
2.423077	0.010992	0.011162	0.002007	0.000222
2.472527	0.010992	0.011387	0.002044	0.000222
2.521978	0.010992	0.011613	0.002081	0.000222
2.571429	0.010992	0.011838	0.002117	0.000222
2.620879	0.010992	0.012064	0.002152	0.000222
2.670330	0.010992	0.012290	0.002187	0.000222
2.719780	0.010992	0.012515	0.002221	0.000222
2.769231	0.010992	0.012741	0.002255	0.000222
2.818681	0.010992	0.012966	0.002288	0.000222
2.868132	0.010992	0.013192	0.002322	0.000222
2.917582	0.010992	0.013417	0.002355	0.000222
2.967033	0.010992	0.013643	0.002389	0.000222
3.016484	0.010992	0.013869	0.002452	0.000222
3.065934	0.010992	0.014094	0.002482	0.000222
3.115385	0.010992	0.014320	0.002512	0.000222
3.164835	0.010992	0.014545	0.002541	0.000222
3.214286	0.010992	0.014771	0.002570	0.000222
3.263736	0.010992	0.014996	0.002598	0.000222
3.313187	0.010992	0.015222	0.002627	0.000222
3.362637	0.010992	0.015448	0.002655	0.000222
3.412088	0.010992	0.015673	0.002682	0.000222
3.461538	0.010992	0.015899	0.002710	0.000222
3.500000	0.010992	0.032148	0.002731	0.000222

END FTABLE 16

FTABLE 15

Time***	Depth (ft) (Minutes)***	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.010992	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.010992	0.000544	0.000000	0.000000	0.002931	0.000000		
0.098901	0.010992	0.001087	0.000000	0.000000	0.002931	0.000000		
0.148352	0.010992	0.001631	0.000000	0.000000	0.002931	0.000000		
0.197802	0.010992	0.002174	0.000000	0.000000	0.002931	0.000000		
0.247253	0.010992	0.002718	0.000000	0.000000	0.002931	0.000000		
0.296703	0.010992	0.003261	0.000000	0.000000	0.002931	0.000000		
0.346154	0.010992	0.003805	0.000000	0.000000	0.002931	0.000000		
0.395604	0.010992	0.004348	0.000000	0.000000	0.002931	0.000000		
0.445055	0.010992	0.004892	0.000000	0.000000	0.002931	0.000000		
0.494505	0.010992	0.005435	0.000000	0.000000	0.002931	0.000000		
0.543956	0.010992	0.005979	0.000000	0.000000	0.002931	0.000000		
0.593407	0.010992	0.006523	0.000000	0.000000	0.002931	0.000000		
0.642857	0.010992	0.007066	0.000000	0.000000	0.002931	0.000000		
0.692308	0.010992	0.007610	0.000000	0.000000	0.002931	0.000000		
0.741758	0.010992	0.008153	0.000000	0.000000	0.002931	0.000000		
0.791209	0.010992	0.008697	0.000000	0.000000	0.002931	0.000000		
0.840659	0.010992	0.009240	0.007786	0.002931	0.000000			
0.890110	0.010992	0.009784	0.103770	0.002931	0.000000			
0.939560	0.010992	0.010327	0.250206	0.002931	0.000000			
0.989011	0.010992	0.010871	0.416260	0.002931	0.000000			
1.000000	0.010992	0.010992	0.572728	0.002931	0.000000			

END FTABLE 15

FTABLE	18					
72	5					
Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.015207	0.000000	0.000000	0.000000		
0.049451	0.015207	0.000316	0.000000	0.000000		
0.098901	0.015207	0.000632	0.000000	0.000000		
0.148352	0.015207	0.000947	0.000000	0.000000		
0.197802	0.015207	0.001263	0.000000	0.000307		
0.247253	0.015207	0.001579	0.000000	0.000307		
0.296703	0.015207	0.001895	0.000000	0.000307		
0.346154	0.015207	0.002211	0.000000	0.000307		
0.395604	0.015207	0.002527	0.000000	0.000307		
0.445055	0.015207	0.002842	0.000000	0.000307		
0.494505	0.015207	0.003158	0.000000	0.000307		
0.543956	0.015207	0.003474	0.000000	0.000307		
0.593407	0.015207	0.003790	0.000000	0.000307		
0.642857	0.015207	0.004106	0.000000	0.000307		
0.692308	0.015207	0.004422	0.000000	0.000307		
0.741758	0.015207	0.004737	0.000000	0.000307		
0.791209	0.015207	0.005053	0.000000	0.000307		
0.840659	0.015207	0.005369	0.000000	0.000307		
0.890110	0.015207	0.005685	0.000000	0.000307		
0.939560	0.015207	0.006001	0.000000	0.000307		
0.989011	0.015207	0.006317	0.000000	0.000307		
1.038462	0.015207	0.006632	0.000000	0.000307		
1.087912	0.015207	0.006948	0.000000	0.000307		
1.137363	0.015207	0.007264	0.000385	0.000307		
1.186813	0.015207	0.007580	0.000546	0.000307		
1.236264	0.015207	0.007896	0.000669	0.000307		
1.285714	0.015207	0.008212	0.000772	0.000307		
1.335165	0.015207	0.008527	0.000863	0.000307		
1.384615	0.015207	0.008843	0.000946	0.000307		
1.434066	0.015207	0.009159	0.001022	0.000307		
1.483516	0.015207	0.009475	0.001092	0.000307		
1.532967	0.015207	0.009791	0.001159	0.000307		
1.582418	0.015207	0.010107	0.001221	0.000307		
1.631868	0.015207	0.010422	0.001281	0.000307		
1.681319	0.015207	0.010738	0.001338	0.000307		
1.730769	0.015207	0.011054	0.001392	0.000307		
1.780220	0.015207	0.011370	0.001445	0.000307		
1.829670	0.015207	0.011686	0.001496	0.000307		
1.879121	0.015207	0.012002	0.001545	0.000307		
1.928571	0.015207	0.012317	0.001592	0.000307		
1.978022	0.015207	0.012633	0.001639	0.000307		
2.027473	0.015207	0.012945	0.001683	0.000307		
2.076923	0.015207	0.013257	0.001727	0.000307		
2.126374	0.015207	0.013569	0.001770	0.000307		
2.175824	0.015207	0.013881	0.001812	0.000307		
2.225275	0.015207	0.014194	0.001852	0.000307		
2.274725	0.015207	0.014506	0.001892	0.000307		
2.324176	0.015207	0.014818	0.001931	0.000307		
2.373626	0.015207	0.015130	0.001970	0.000307		
2.423077	0.015207	0.015442	0.002007	0.000307		
2.472527	0.015207	0.015754	0.002044	0.000307		
2.521978	0.015207	0.016066	0.002081	0.000307		
2.571429	0.015207	0.016378	0.002117	0.000307		
2.620879	0.015207	0.016690	0.002152	0.000307		
2.670330	0.015207	0.017002	0.002187	0.000307		
2.719780	0.015207	0.017314	0.002221	0.000307		
2.769231	0.015207	0.017626	0.002255	0.000307		
2.818681	0.015207	0.017938	0.002288	0.000307		
2.868132	0.015207	0.018250	0.002322	0.000307		
2.917582	0.015207	0.018563	0.002355	0.000307		
2.967033	0.015207	0.018875	0.002389	0.000307		
3.016484	0.015207	0.019187	0.002452	0.000307		
3.065934	0.015207	0.019499	0.002482	0.000307		
3.115385	0.015207	0.019811	0.002512	0.000307		
3.164835	0.015207	0.020123	0.002541	0.000307		
3.214286	0.015207	0.020435	0.002570	0.000307		

3.263736	0.015207	0.020747	0.002598	0.000307			
3.313187	0.015207	0.021059	0.002627	0.000307			
3.362637	0.015207	0.021371	0.002655	0.000307			
3.412088	0.015207	0.021683	0.002682	0.000307			
3.461538	0.015207	0.021995	0.002710	0.000307			
3.500000	0.015207	0.044476	0.002731	0.000307			
END FTABLE 18							
FTABLE 17							
22 6							
Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)
Travel							
Time***							
(Minutes)***							
0.000000	0.015207	0.000000	0.000000	0.000000	0.000000	0.000000	
0.049451	0.015207	0.000752	0.000000	0.000000	0.003016	0.000000	
0.098901	0.015207	0.001504	0.000000	0.000000	0.003016	0.000000	
0.148352	0.015207	0.002256	0.000000	0.000000	0.003016	0.000000	
0.197802	0.015207	0.003008	0.000000	0.000000	0.003016	0.000000	
0.247253	0.015207	0.003760	0.000000	0.000000	0.003016	0.000000	
0.296703	0.015207	0.004512	0.000000	0.000000	0.003016	0.000000	
0.346154	0.015207	0.005264	0.000000	0.000000	0.003016	0.000000	
0.395604	0.015207	0.006016	0.000000	0.000000	0.003016	0.000000	
0.445055	0.015207	0.006768	0.000000	0.000000	0.003016	0.000000	
0.494505	0.015207	0.007520	0.000000	0.000000	0.003016	0.000000	
0.543956	0.015207	0.008272	0.000000	0.000000	0.003016	0.000000	
0.593407	0.015207	0.009024	0.000000	0.000000	0.003016	0.000000	
0.642857	0.015207	0.009776	0.000000	0.000000	0.003016	0.000000	
0.692308	0.015207	0.010528	0.000000	0.000000	0.003016	0.000000	
0.741758	0.015207	0.011280	0.000000	0.000000	0.003016	0.000000	
0.791209	0.015207	0.012032	0.000000	0.000000	0.003016	0.000000	
0.840659	0.015207	0.012784	0.000000	0.007786	0.003016	0.000000	
0.890110	0.015207	0.013536	0.103770	0.003016	0.000000	0.000000	
0.939560	0.015207	0.014288	0.250206	0.003016	0.000000	0.000000	
0.989011	0.015207	0.015040	0.416260	0.003016	0.000000	0.000000	
1.000000	0.015207	0.015207	0.572728	0.003016	0.000000	0.000000	
END FTABLE 17							
FTABLE 20							
72 5							
Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***	
0.000000	0.159780	0.000000	0.000000	0.000000			
0.049451	0.159780	0.003318	0.000000	0.000000			
0.098901	0.159780	0.006637	0.000000	0.000000			
0.148352	0.159780	0.009955	0.000000	0.000000			
0.197802	0.159780	0.013274	0.000000	0.003222			
0.247253	0.159780	0.016592	0.000000	0.003222			
0.296703	0.159780	0.019911	0.000000	0.003222			
0.346154	0.159780	0.023229	0.000000	0.003222			
0.395604	0.159780	0.026548	0.000000	0.003222			
0.445055	0.159780	0.029866	0.000000	0.003222			
0.494505	0.159780	0.033185	0.000000	0.003222			
0.543956	0.159780	0.036503	0.000000	0.003222			
0.593407	0.159780	0.039822	0.000000	0.003222			
0.642857	0.159780	0.043140	0.000000	0.003222			
0.692308	0.159780	0.046459	0.000000	0.003222			
0.741758	0.159780	0.049777	0.000000	0.003222			
0.791209	0.159780	0.053096	0.000000	0.003222			
0.840659	0.159780	0.056414	0.000000	0.003222			
0.890110	0.159780	0.059733	0.000000	0.003222			
0.939560	0.159780	0.063051	0.000000	0.003222			
0.989011	0.159780	0.066370	0.000000	0.003222			
1.038462	0.159780	0.069688	0.000000	0.003222			
1.087912	0.159780	0.073007	0.000000	0.003222			
1.137363	0.159780	0.076325	0.002097	0.003222			
1.186813	0.159780	0.079644	0.002971	0.003222			
1.236264	0.159780	0.082962	0.003640	0.003222			
1.285714	0.159780	0.086281	0.004204	0.003222			
1.335165	0.159780	0.089599	0.004701	0.003222			
1.384615	0.159780	0.092918	0.005150	0.003222			
1.434066	0.159780	0.096236	0.005563	0.003222			

1.483516	0.159780	0.099555	0.005947	0.003222
1.532967	0.159780	0.102873	0.006308	0.003222
1.582418	0.159780	0.106192	0.006649	0.003222
1.631868	0.159780	0.109510	0.006974	0.003222
1.681319	0.159780	0.112829	0.007284	0.003222
1.730769	0.159780	0.116147	0.007581	0.003222
1.780220	0.159780	0.119466	0.007867	0.003222
1.829670	0.159780	0.122784	0.008144	0.003222
1.879121	0.159780	0.126103	0.008411	0.003222
1.928571	0.159780	0.129421	0.008670	0.003222
1.978022	0.159780	0.132740	0.008921	0.003222
2.027473	0.159780	0.136019	0.009166	0.003222
2.076923	0.159780	0.139298	0.009404	0.003222
2.126374	0.159780	0.142577	0.009636	0.003222
2.175824	0.159780	0.145856	0.009863	0.003222
2.225275	0.159780	0.149135	0.010085	0.003222
2.274725	0.159780	0.152414	0.010303	0.003222
2.324176	0.159780	0.155693	0.010516	0.003222
2.373626	0.159780	0.158972	0.010724	0.003222
2.423077	0.159780	0.162251	0.010929	0.003222
2.472527	0.159780	0.165530	0.011131	0.003222
2.521978	0.159780	0.168809	0.011329	0.003222
2.571429	0.159780	0.172088	0.011524	0.003222
2.620879	0.159780	0.175367	0.011715	0.003222
2.670330	0.159780	0.178646	0.011905	0.003222
2.719780	0.159780	0.181925	0.012091	0.003222
2.769231	0.159780	0.185204	0.012276	0.003222
2.818681	0.159780	0.188483	0.012458	0.003222
2.868132	0.159780	0.191762	0.012640	0.003222
2.917582	0.159780	0.195041	0.012822	0.003222
2.967033	0.159780	0.198320	0.013009	0.003222
3.016484	0.159780	0.201599	0.013352	0.003222
3.065934	0.159780	0.204878	0.013514	0.003222
3.115385	0.159780	0.208157	0.013675	0.003222
3.164835	0.159780	0.211436	0.013834	0.003222
3.214286	0.159780	0.214715	0.013991	0.003222
3.263736	0.159780	0.217994	0.014147	0.003222
3.313187	0.159780	0.221273	0.014300	0.003222
3.362637	0.159780	0.224552	0.014452	0.003222
3.412088	0.159780	0.227831	0.014603	0.003222
3.461538	0.159780	0.231110	0.014752	0.003222
3.500000	0.159780	0.467320	0.014867	0.003222

END FTABLE 20

FTABLE 19

22 6

Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.159780	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.159780	0.007901	0.000000	0.000000	0.017974	0.000000		
0.098901	0.159780	0.015802	0.000000	0.000000	0.017974	0.000000		
0.148352	0.159780	0.023704	0.000000	0.000000	0.017974	0.000000		
0.197802	0.159780	0.031605	0.000000	0.000000	0.017974	0.000000		
0.247253	0.159780	0.039506	0.000000	0.000000	0.017974	0.000000		
0.296703	0.159780	0.047407	0.000000	0.000000	0.017974	0.000000		
0.346154	0.159780	0.055308	0.000000	0.000000	0.017974	0.000000		
0.395604	0.159780	0.063210	0.000000	0.000000	0.017974	0.000000		
0.445055	0.159780	0.071111	0.000000	0.000000	0.017974	0.000000		
0.494505	0.159780	0.079012	0.000000	0.000000	0.017974	0.000000		
0.543956	0.159780	0.086913	0.000000	0.000000	0.017974	0.000000		
0.593407	0.159780	0.094814	0.000000	0.000000	0.017974	0.000000		
0.642857	0.159780	0.102715	0.000000	0.000000	0.017974	0.000000		
0.692308	0.159780	0.110617	0.000000	0.000000	0.017974	0.000000		
0.741758	0.159780	0.118518	0.000000	0.000000	0.017974	0.000000		
0.791209	0.159780	0.126419	0.000000	0.000000	0.017974	0.000000		
0.840659	0.159780	0.134320	0.007786	0.017974	0.000000			
0.890110	0.159780	0.142221	0.103770	0.017974	0.000000			
0.939560	0.159780	0.150123	0.250206	0.017974	0.000000			
0.989011	0.159780	0.158024	0.416260	0.017974	0.000000			

1.000000 0.159780 0.159780 0.572728 0.017974 0.000000

END FTABLE 19

FTABLE 22

72 5

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.044192	0.000000	0.000000	0.000000		
0.049451	0.044192	0.000918	0.000000	0.000000		
0.098901	0.044192	0.001836	0.000000	0.000000		
0.148352	0.044192	0.002753	0.000000	0.000000		
0.197802	0.044192	0.003671	0.000000	0.000891		
0.247253	0.044192	0.004589	0.000000	0.000891		
0.296703	0.044192	0.005507	0.000000	0.000891		
0.346154	0.044192	0.006425	0.000000	0.000891		
0.395604	0.044192	0.007343	0.000000	0.000891		
0.445055	0.044192	0.008260	0.000000	0.000891		
0.494505	0.044192	0.009178	0.000000	0.000891		
0.543956	0.044192	0.010096	0.000000	0.000891		
0.593407	0.044192	0.011014	0.000000	0.000891		
0.642857	0.044192	0.011932	0.000000	0.000891		
0.692308	0.044192	0.012850	0.000000	0.000891		
0.741758	0.044192	0.013767	0.000000	0.000891		
0.791209	0.044192	0.014685	0.000000	0.000891		
0.840659	0.044192	0.015603	0.000000	0.000891		
0.890110	0.044192	0.016521	0.000000	0.000891		
0.939560	0.044192	0.017439	0.000000	0.000891		
0.989011	0.044192	0.018357	0.000000	0.000891		
1.038462	0.044192	0.019274	0.000000	0.000891		
1.087912	0.044192	0.020192	0.000000	0.000891		
1.137363	0.044192	0.021110	0.001070	0.000891		
1.186813	0.044192	0.022028	0.001516	0.000891		
1.236264	0.044192	0.022946	0.001857	0.000891		
1.285714	0.044192	0.023864	0.002145	0.000891		
1.335165	0.044192	0.024781	0.002399	0.000891		
1.384615	0.044192	0.025699	0.002628	0.000891		
1.434066	0.044192	0.026617	0.002838	0.000891		
1.483516	0.044192	0.027535	0.003034	0.000891		
1.532967	0.044192	0.028453	0.003218	0.000891		
1.582418	0.044192	0.029371	0.003392	0.000891		
1.631868	0.044192	0.030288	0.003558	0.000891		
1.681319	0.044192	0.031206	0.003716	0.000891		
1.730769	0.044192	0.032124	0.003868	0.000891		
1.780220	0.044192	0.033042	0.004014	0.000891		
1.829670	0.044192	0.033960	0.004155	0.000891		
1.879121	0.044192	0.034878	0.004291	0.000891		
1.928571	0.044192	0.035795	0.004423	0.000891		
1.978022	0.044192	0.036713	0.004552	0.000891		
2.027473	0.044192	0.037620	0.004676	0.000891		
2.076923	0.044192	0.038527	0.004798	0.000891		
2.126374	0.044192	0.039434	0.004917	0.000891		
2.175824	0.044192	0.040341	0.005032	0.000891		
2.225275	0.044192	0.041248	0.005146	0.000891		
2.274725	0.044192	0.042155	0.005256	0.000891		
2.324176	0.044192	0.043062	0.005365	0.000891		
2.373626	0.044192	0.043969	0.005472	0.000891		
2.423077	0.044192	0.044875	0.005576	0.000891		
2.472527	0.044192	0.045782	0.005679	0.000891		
2.521978	0.044192	0.046689	0.005780	0.000891		
2.571429	0.044192	0.047596	0.005879	0.000891		
2.620879	0.044192	0.048503	0.005977	0.000891		
2.670330	0.044192	0.049410	0.006074	0.000891		
2.719780	0.044192	0.050317	0.006169	0.000891		
2.769231	0.044192	0.051224	0.006263	0.000891		
2.818681	0.044192	0.052131	0.006356	0.000891		
2.868132	0.044192	0.053038	0.006449	0.000891		
2.917582	0.044192	0.053944	0.006542	0.000891		
2.967033	0.044192	0.054851	0.006637	0.000891		
3.016484	0.044192	0.055758	0.006812	0.000891		
3.065934	0.044192	0.056665	0.006895	0.000891		
3.115385	0.044192	0.057572	0.006977	0.000891		

3.164835	0.044192	0.058479	0.007058	0.000891
3.214286	0.044192	0.059386	0.007138	0.000891
3.263736	0.044192	0.060293	0.007218	0.000891
3.313187	0.044192	0.061200	0.007296	0.000891
3.362637	0.044192	0.062107	0.007374	0.000891
3.412088	0.044192	0.063014	0.007450	0.000891
3.461538	0.044192	0.063920	0.007526	0.000891
3.500000	0.044192	0.129252	0.007585	0.000891

END FTABLE 22

FTABLE 21

22 6

Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
---------	---------------	-----------------	---------------------	-------------------	-------------------	--------------------	----------------------	--------

0.000000	0.044192	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.044192	0.002185	0.000000	0.000000	0.008418	0.000000		
0.098901	0.044192	0.004371	0.000000	0.000000	0.008418	0.000000		
0.148352	0.044192	0.006556	0.000000	0.000000	0.008418	0.000000		
0.197802	0.044192	0.008741	0.000000	0.000000	0.008418	0.000000		
0.247253	0.044192	0.010927	0.000000	0.000000	0.008418	0.000000		
0.296703	0.044192	0.013112	0.000000	0.000000	0.008418	0.000000		
0.346154	0.044192	0.015297	0.000000	0.000000	0.008418	0.000000		
0.395604	0.044192	0.017483	0.000000	0.000000	0.008418	0.000000		
0.445055	0.044192	0.019668	0.000000	0.000000	0.008418	0.000000		
0.494505	0.044192	0.021853	0.000000	0.000000	0.008418	0.000000		
0.543956	0.044192	0.024038	0.000000	0.000000	0.008418	0.000000		
0.593407	0.044192	0.026224	0.000000	0.000000	0.008418	0.000000		
0.642857	0.044192	0.028409	0.000000	0.000000	0.008418	0.000000		
0.692308	0.044192	0.030594	0.000000	0.000000	0.008418	0.000000		
0.741758	0.044192	0.032780	0.000000	0.000000	0.008418	0.000000		
0.791209	0.044192	0.034965	0.000000	0.000000	0.008418	0.000000		
0.840659	0.044192	0.037150	0.007786	0.008418	0.000000			
0.890110	0.044192	0.039336	0.103770	0.008418	0.000000			
0.939560	0.044192	0.041521	0.250206	0.008418	0.000000			
0.989011	0.044192	0.043706	0.416260	0.008418	0.000000			
1.000000	0.044192	0.044192	0.572728	0.008418	0.000000			

END FTABLE 21

FTABLE 24

72 5

	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
--	---------------	-----------------	---------------------	-------------------	-------------------	----------------------	--------------------------------

0.000000	0.009091	0.000000	0.000000	0.000000			
0.049451	0.009091	0.000189	0.000000	0.000000			
0.098901	0.009091	0.000378	0.000000	0.000000			
0.148352	0.009091	0.000566	0.000000	0.000000			
0.197802	0.009091	0.000755	0.000000	0.000183			
0.247253	0.009091	0.000944	0.000000	0.000183			
0.296703	0.009091	0.001133	0.000000	0.000183			
0.346154	0.009091	0.001322	0.000000	0.000183			
0.395604	0.009091	0.001510	0.000000	0.000183			
0.445055	0.009091	0.001699	0.000000	0.000183			
0.494505	0.009091	0.001888	0.000000	0.000183			
0.543956	0.009091	0.002077	0.000000	0.000183			
0.593407	0.009091	0.002266	0.000000	0.000183			
0.642857	0.009091	0.002455	0.000000	0.000183			
0.692308	0.009091	0.002643	0.000000	0.000183			
0.741758	0.009091	0.002832	0.000000	0.000183			
0.791209	0.009091	0.003021	0.000000	0.000183			
0.840659	0.009091	0.003210	0.000000	0.000183			
0.890110	0.009091	0.003399	0.000000	0.000183			
0.939560	0.009091	0.003587	0.000000	0.000183			
0.989011	0.009091	0.003776	0.000000	0.000183			
1.038462	0.009091	0.003965	0.000000	0.000183			
1.087912	0.009091	0.004154	0.000000	0.000183			
1.137363	0.009091	0.004343	0.000267	0.000183			
1.186813	0.009091	0.004531	0.000379	0.000183			
1.236264	0.009091	0.004720	0.000464	0.000183			
1.285714	0.009091	0.004909	0.000536	0.000183			
1.335165	0.009091	0.005098	0.000600	0.000183			

1.384615	0.009091	0.005287	0.000657	0.000183
1.434066	0.009091	0.005476	0.000710	0.000183
1.483516	0.009091	0.005664	0.000759	0.000183
1.532967	0.009091	0.005853	0.000805	0.000183
1.582418	0.009091	0.006042	0.000848	0.000183
1.631868	0.009091	0.006231	0.000890	0.000183
1.681319	0.009091	0.006420	0.000929	0.000183
1.730769	0.009091	0.006608	0.000967	0.000183
1.780220	0.009091	0.006797	0.001004	0.000183
1.829670	0.009091	0.006986	0.001039	0.000183
1.879121	0.009091	0.007175	0.001073	0.000183
1.928571	0.009091	0.007364	0.001106	0.000183
1.978022	0.009091	0.007552	0.001138	0.000183
2.027473	0.009091	0.007739	0.001169	0.000183
2.076923	0.009091	0.007926	0.001199	0.000183
2.126374	0.009091	0.008112	0.001229	0.000183
2.175824	0.009091	0.008299	0.001258	0.000183
2.225275	0.009091	0.008485	0.001286	0.000183
2.274725	0.009091	0.008672	0.001314	0.000183
2.324176	0.009091	0.008858	0.001341	0.000183
2.373626	0.009091	0.009045	0.001368	0.000183
2.423077	0.009091	0.009232	0.001394	0.000183
2.472527	0.009091	0.009418	0.001420	0.000183
2.521978	0.009091	0.009605	0.001445	0.000183
2.571429	0.009091	0.009791	0.001470	0.000183
2.620879	0.009091	0.009978	0.001494	0.000183
2.670330	0.009091	0.010164	0.001518	0.000183
2.719780	0.009091	0.010351	0.001542	0.000183
2.769231	0.009091	0.010537	0.001566	0.000183
2.818681	0.009091	0.010724	0.001589	0.000183
2.868132	0.009091	0.010911	0.001612	0.000183
2.917582	0.009091	0.011097	0.001635	0.000183
2.967033	0.009091	0.011284	0.001659	0.000183
3.016484	0.009091	0.011470	0.001703	0.000183
3.065934	0.009091	0.011657	0.001724	0.000183
3.115385	0.009091	0.011843	0.001744	0.000183
3.164835	0.009091	0.012030	0.001765	0.000183
3.214286	0.009091	0.012217	0.001785	0.000183
3.263736	0.009091	0.012403	0.001804	0.000183
3.313187	0.009091	0.012590	0.001824	0.000183
3.362637	0.009091	0.012776	0.001843	0.000183
3.412088	0.009091	0.012963	0.001863	0.000183
3.461538	0.009091	0.013149	0.001882	0.000183
3.500000	0.009091	0.026589	0.001896	0.000183

END FTABLE 24
FTABLE 23

Time*** (Minutes)	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.009091	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.009091	0.000450	0.000000	0.000000	0.002065	0.000000		
0.098901	0.009091	0.000899	0.000000	0.000000	0.002065	0.000000		
0.148352	0.009091	0.001349	0.000000	0.000000	0.002065	0.000000		
0.197802	0.009091	0.001798	0.000000	0.000000	0.002065	0.000000		
0.247253	0.009091	0.002248	0.000000	0.000000	0.002065	0.000000		
0.296703	0.009091	0.002697	0.000000	0.000000	0.002065	0.000000		
0.346154	0.009091	0.003147	0.000000	0.000000	0.002065	0.000000		
0.395604	0.009091	0.003596	0.000000	0.000000	0.002065	0.000000		
0.445055	0.009091	0.004046	0.000000	0.000000	0.002065	0.000000		
0.494505	0.009091	0.004496	0.000000	0.000000	0.002065	0.000000		
0.543956	0.009091	0.004945	0.000000	0.000000	0.002065	0.000000		
0.593407	0.009091	0.005395	0.000000	0.000000	0.002065	0.000000		
0.642857	0.009091	0.005844	0.000000	0.000000	0.002065	0.000000		
0.692308	0.009091	0.006294	0.000000	0.000000	0.002065	0.000000		
0.741758	0.009091	0.006743	0.000000	0.000000	0.002065	0.000000		
0.791209	0.009091	0.007193	0.000000	0.000000	0.002065	0.000000		
0.840659	0.009091	0.007642	0.007786	0.007786	0.002065	0.000000		
0.890110	0.009091	0.008092	0.103770	0.103770	0.002065	0.000000		

0.939560	0.009091	0.008541	0.250206	0.002065	0.000000
0.989011	0.009091	0.008991	0.416260	0.002065	0.000000
1.000000	0.009091	0.009091	0.572728	0.002065	0.000000

END FTABLE 23

FTABLE 26

72	5						
Depth	Area	Volume	Outflow1	Outflow2	Velocity	Travel Time***	
(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec)	(Minutes)***	
0.000000	0.018616	0.000000	0.000000	0.000000			
0.049451	0.018616	0.000387	0.000000	0.000000			
0.098901	0.018616	0.000773	0.000000	0.000000			
0.148352	0.018616	0.001160	0.000000	0.000000			
0.197802	0.018616	0.001547	0.000000	0.000375			
0.247253	0.018616	0.001933	0.000000	0.000375			
0.296703	0.018616	0.002320	0.000000	0.000375			
0.346154	0.018616	0.002706	0.000000	0.000375			
0.395604	0.018616	0.003093	0.000000	0.000375			
0.445055	0.018616	0.003480	0.000000	0.000375			
0.494505	0.018616	0.003866	0.000000	0.000375			
0.543956	0.018616	0.004253	0.000000	0.000375			
0.593407	0.018616	0.004640	0.000000	0.000375			
0.642857	0.018616	0.005026	0.000000	0.000375			
0.692308	0.018616	0.005413	0.000000	0.000375			
0.741758	0.018616	0.005800	0.000000	0.000375			
0.791209	0.018616	0.006186	0.000000	0.000375			
0.840659	0.018616	0.006573	0.000000	0.000375			
0.890110	0.018616	0.006959	0.000000	0.000375			
0.939560	0.018616	0.007346	0.000000	0.000375			
0.989011	0.018616	0.007733	0.000000	0.000375			
1.038462	0.018616	0.008119	0.000000	0.000375			
1.087912	0.018616	0.008506	0.000000	0.000375			
1.137363	0.018616	0.008893	0.001070	0.000375			
1.186813	0.018616	0.009279	0.001516	0.000375			
1.236264	0.018616	0.009666	0.001857	0.000375			
1.285714	0.018616	0.010052	0.002145	0.000375			
1.335165	0.018616	0.010439	0.002399	0.000375			
1.384615	0.018616	0.010826	0.002628	0.000375			
1.434066	0.018616	0.011212	0.002838	0.000375			
1.483516	0.018616	0.011599	0.003034	0.000375			
1.532967	0.018616	0.011986	0.003218	0.000375			
1.582418	0.018616	0.012372	0.003392	0.000375			
1.631868	0.018616	0.012759	0.003558	0.000375			
1.681319	0.018616	0.013146	0.003716	0.000375			
1.730769	0.018616	0.013532	0.003868	0.000375			
1.780220	0.018616	0.013919	0.004014	0.000375			
1.829670	0.018616	0.014305	0.004155	0.000375			
1.879121	0.018616	0.014692	0.004291	0.000375			
1.928571	0.018616	0.015079	0.004423	0.000375			
1.978022	0.018616	0.015465	0.004552	0.000375			
2.027473	0.018616	0.015847	0.004676	0.000375			
2.076923	0.018616	0.016229	0.004798	0.000375			
2.126374	0.018616	0.016611	0.004917	0.000375			
2.175824	0.018616	0.016993	0.005032	0.000375			
2.225275	0.018616	0.017376	0.005146	0.000375			
2.274725	0.018616	0.017758	0.005256	0.000375			
2.324176	0.018616	0.018140	0.005365	0.000375			
2.373626	0.018616	0.018522	0.005472	0.000375			
2.423077	0.018616	0.018904	0.005576	0.000375			
2.472527	0.018616	0.019286	0.005679	0.000375			
2.521978	0.018616	0.019668	0.005780	0.000375			
2.571429	0.018616	0.020050	0.005879	0.000375			
2.620879	0.018616	0.020432	0.005977	0.000375			
2.670330	0.018616	0.020814	0.006074	0.000375			
2.719780	0.018616	0.021196	0.006169	0.000375			
2.769231	0.018616	0.021578	0.006263	0.000375			
2.818681	0.018616	0.021960	0.006356	0.000375			
2.868132	0.018616	0.022342	0.006449	0.000375			
2.917582	0.018616	0.022724	0.006542	0.000375			
2.967033	0.018616	0.023106	0.006637	0.000375			
3.016484	0.018616	0.023488	0.006812	0.000375			

Time***	Depth (ft) (Minutes)***	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
3.065934	0.018616	0.023870	0.006895	0.000375				
3.115385	0.018616	0.024252	0.006977	0.000375				
3.164835	0.018616	0.024634	0.007058	0.000375				
3.214286	0.018616	0.025016	0.007138	0.000375				
3.263736	0.018616	0.025398	0.007218	0.000375				
3.313187	0.018616	0.025780	0.007296	0.000375				
3.362637	0.018616	0.026162	0.007374	0.000375				
3.412088	0.018616	0.026544	0.007450	0.000375				
3.461538	0.018616	0.026926	0.007526	0.000375				
3.500000	0.018616	0.054447	0.007585	0.000375				
END FTABLE 26								
FTABLE 25								
22 6								

Time***	Depth (ft) (Minutes)***	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.018616	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.018616	0.000921	0.000000	0.007902	0.000000			
0.098901	0.018616	0.001841	0.000000	0.007902	0.000000			
0.148352	0.018616	0.002762	0.000000	0.007902	0.000000			
0.197802	0.018616	0.003682	0.000000	0.007902	0.000000			
0.247253	0.018616	0.004603	0.000000	0.007902	0.000000			
0.296703	0.018616	0.005523	0.000000	0.007902	0.000000			
0.346154	0.018616	0.006444	0.000000	0.007902	0.000000			
0.395604	0.018616	0.007364	0.000000	0.007902	0.000000			
0.445055	0.018616	0.008285	0.000000	0.007902	0.000000			
0.494505	0.018616	0.009206	0.000000	0.007902	0.000000			
0.543956	0.018616	0.010126	0.000000	0.007902	0.000000			
0.593407	0.018616	0.011047	0.000000	0.007902	0.000000			
0.642857	0.018616	0.011967	0.000000	0.007902	0.000000			
0.692308	0.018616	0.012888	0.000000	0.007902	0.000000			
0.741758	0.018616	0.013808	0.000000	0.007902	0.000000			
0.791209	0.018616	0.014729	0.000000	0.007902	0.000000			
0.840659	0.018616	0.015649	0.007786	0.007902	0.000000			
0.890110	0.018616	0.016570	0.103770	0.007902	0.000000			
0.939560	0.018616	0.017491	0.250206	0.007902	0.000000			
0.989011	0.018616	0.018411	0.416260	0.007902	0.000000			
1.000000	0.018616	0.018616	0.572728	0.007902	0.000000			
END FTABLE 25								
END FTABLES								

EXT SOURCES

<-Volume-> <Name>	<Member> #	SsysSgap tem	<-Mult--> strg	Tran <-factor--> strg	<-Target <Name>	vols #	<-Grp> #	<-Member-> <Name>	#	***
WDM	2	PREC	ENGL	1	PERLND	1	999	EXTNL	PREC	
WDM	2	PREC	ENGL	1	IMPLND	1	999	EXTNL	PREC	
WDM	1	EVAP	ENGL	1	PERLND	1	999	EXTNL	PETINP	
WDM	1	EVAP	ENGL	1	IMPLND	1	999	EXTNL	PETINP	
WDM	22	IRRG	ENGL	0.7	SAME	PERLND	40	EXTNL	SURLI	
WDM	2	PREC	ENGL	1	RCHRES	7		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	9		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	11		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	13		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	15		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	17		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	19		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	21		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	23		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	25		EXTNL	PREC	
WDM	1	EVAP	ENGL	1	RCHRES	1		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	2		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	3		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	4		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	5		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	6		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.5	RCHRES	7		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.7	RCHRES	8		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.5	RCHRES	9		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.7	RCHRES	10		EXTNL	POTEV	

WDM	1	EVAP	ENGL	0.5	RCHRES	11	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.7	RCHRES	12	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.5	RCHRES	13	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.7	RCHRES	14	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.5	RCHRES	15	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.7	RCHRES	16	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.5	RCHRES	17	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.7	RCHRES	18	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.5	RCHRES	19	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.7	RCHRES	20	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.5	RCHRES	21	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.7	RCHRES	22	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.5	RCHRES	23	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.7	RCHRES	24	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.5	RCHRES	25	EXTNL	POTEV
WDM	1	EVAP	ENGL	0.7	RCHRES	26	EXTNL	POTEV

END EXT SOURCES

EXT TARGETS

<-Volume-> <Name>	<-Grp> #	<-Member-> <Name>	#	<-Mult--> #<-factor-->	Tran strg	<-Volume-> <Name>	#	<Member> <Name>	Tsys tem	Tgap strg	Amd strg	*** ***
COPY	2	OUTPUT	MEAN	1	1	12.1	WDM	702	FLOW	ENGL	REPL	
COPY	502	OUTPUT	MEAN	1	1	12.1	WDM	802	FLOW	ENGL	REPL	
RCHRES	8	HYDR	R0	1	1	1	WDM	1080	FLOW	ENGL	REPL	
RCHRES	8	HYDR	0	1	1	1	WDM	1081	FLOW	ENGL	REPL	
RCHRES	8	HYDR	0	2	1	1	WDM	1082	FLOW	ENGL	REPL	
RCHRES	8	HYDR	STAGE	1	1	1	WDM	1083	STAG	ENGL	REPL	
RCHRES	7	HYDR	STAGE	1	1	1	WDM	1084	STAG	ENGL	REPL	
RCHRES	7	HYDR	0	1	1	1	WDM	1085	FLOW	ENGL	REPL	
RCHRES	10	HYDR	R0	1	1	1	WDM	1086	FLOW	ENGL	REPL	
RCHRES	10	HYDR	0	1	1	1	WDM	1087	FLOW	ENGL	REPL	
RCHRES	10	HYDR	0	2	1	1	WDM	1088	FLOW	ENGL	REPL	
RCHRES	10	HYDR	STAGE	1	1	1	WDM	1089	STAG	ENGL	REPL	
RCHRES	9	HYDR	STAGE	1	1	1	WDM	1090	STAG	ENGL	REPL	
RCHRES	9	HYDR	0	1	1	1	WDM	1091	FLOW	ENGL	REPL	
RCHRES	12	HYDR	R0	1	1	1	WDM	1092	FLOW	ENGL	REPL	
RCHRES	12	HYDR	0	1	1	1	WDM	1093	FLOW	ENGL	REPL	
RCHRES	12	HYDR	0	2	1	1	WDM	1094	FLOW	ENGL	REPL	
RCHRES	12	HYDR	STAGE	1	1	1	WDM	1095	STAG	ENGL	REPL	
RCHRES	11	HYDR	STAGE	1	1	1	WDM	1096	STAG	ENGL	REPL	
RCHRES	11	HYDR	0	1	1	1	WDM	1097	FLOW	ENGL	REPL	
RCHRES	14	HYDR	R0	1	1	1	WDM	1098	FLOW	ENGL	REPL	
RCHRES	14	HYDR	0	1	1	1	WDM	1099	FLOW	ENGL	REPL	
RCHRES	14	HYDR	0	2	1	1	WDM	1100	FLOW	ENGL	REPL	
RCHRES	14	HYDR	STAGE	1	1	1	WDM	1101	STAG	ENGL	REPL	
RCHRES	13	HYDR	STAGE	1	1	1	WDM	1102	STAG	ENGL	REPL	
RCHRES	13	HYDR	0	1	1	1	WDM	1103	FLOW	ENGL	REPL	
RCHRES	16	HYDR	R0	1	1	1	WDM	1104	FLOW	ENGL	REPL	
RCHRES	16	HYDR	0	1	1	1	WDM	1105	FLOW	ENGL	REPL	
RCHRES	16	HYDR	0	2	1	1	WDM	1106	FLOW	ENGL	REPL	
RCHRES	16	HYDR	STAGE	1	1	1	WDM	1107	STAG	ENGL	REPL	
RCHRES	15	HYDR	STAGE	1	1	1	WDM	1108	STAG	ENGL	REPL	
RCHRES	15	HYDR	0	1	1	1	WDM	1109	FLOW	ENGL	REPL	
RCHRES	18	HYDR	R0	1	1	1	WDM	1110	FLOW	ENGL	REPL	
RCHRES	18	HYDR	0	1	1	1	WDM	1111	FLOW	ENGL	REPL	
RCHRES	18	HYDR	0	2	1	1	WDM	1112	FLOW	ENGL	REPL	
RCHRES	18	HYDR	STAGE	1	1	1	WDM	1113	STAG	ENGL	REPL	
RCHRES	17	HYDR	STAGE	1	1	1	WDM	1114	STAG	ENGL	REPL	
RCHRES	17	HYDR	0	1	1	1	WDM	1115	FLOW	ENGL	REPL	
RCHRES	20	HYDR	R0	1	1	1	WDM	1116	FLOW	ENGL	REPL	
RCHRES	20	HYDR	0	1	1	1	WDM	1117	FLOW	ENGL	REPL	
RCHRES	20	HYDR	0	2	1	1	WDM	1118	FLOW	ENGL	REPL	
RCHRES	20	HYDR	STAGE	1	1	1	WDM	1119	STAG	ENGL	REPL	
RCHRES	19	HYDR	STAGE	1	1	1	WDM	1120	STAG	ENGL	REPL	
RCHRES	19	HYDR	0	1	1	1	WDM	1121	FLOW	ENGL	REPL	
RCHRES	22	HYDR	R0	1	1	1	WDM	1122	FLOW	ENGL	REPL	
RCHRES	22	HYDR	0	1	1	1	WDM	1123	FLOW	ENGL	REPL	
RCHRES	22	HYDR	0	2	1	1	WDM	1124	FLOW	ENGL	REPL	
RCHRES	22	HYDR	STAGE	1	1	1	WDM	1125	STAG	ENGL	REPL	

RCHRES	21	HYDR	STAGE	1	1	1	WDM	1126	STAG	ENGL	REPL
RCHRES	21	HYDR	0	1	1	1	WDM	1127	FLOW	ENGL	REPL
RCHRES	24	HYDR	RO	1	1	1	WDM	1128	FLOW	ENGL	REPL
RCHRES	24	HYDR	0	1	1	1	WDM	1129	FLOW	ENGL	REPL
RCHRES	24	HYDR	0	2	1	1	WDM	1130	FLOW	ENGL	REPL
RCHRES	24	HYDR	STAGE	1	1	1	WDM	1131	STAG	ENGL	REPL
RCHRES	23	HYDR	STAGE	1	1	1	WDM	1132	STAG	ENGL	REPL
RCHRES	23	HYDR	0	1	1	1	WDM	1133	FLOW	ENGL	REPL
RCHRES	26	HYDR	RO	1	1	1	WDM	1134	FLOW	ENGL	REPL
RCHRES	26	HYDR	0	1	1	1	WDM	1135	FLOW	ENGL	REPL
RCHRES	26	HYDR	0	2	1	1	WDM	1136	FLOW	ENGL	REPL
RCHRES	26	HYDR	STAGE	1	1	1	WDM	1137	STAG	ENGL	REPL
RCHRES	25	HYDR	STAGE	1	1	1	WDM	1138	STAG	ENGL	REPL
RCHRES	25	HYDR	0	1	1	1	WDM	1139	FLOW	ENGL	REPL

END EXT TARGETS

MASS-LINK

<Volume>	<-Grp>	<-Member->	<-Mult-->	<Target>	<-Grp>	<-Member->***
<Name>		<Name>	# #<-factor->	<Name>		<Name> # #***
MASS-LINK		2				
PERLND	PWATER	SURO	0.083333	RCHRES	INFLOW	IVOL
END MASS-LINK		2				
MASS-LINK		5				
IMPLND	IWATER	SURO	0.083333	RCHRES	INFLOW	IVOL
END MASS-LINK		5				
MASS-LINK		8				
RCHRES	OFLOW	OVOL	2	RCHRES	INFLOW	IVOL
END MASS-LINK		8				
MASS-LINK		12				
PERLND	PWATER	SURO	0.083333	COPY	INPUT	MEAN
END MASS-LINK		12				
MASS-LINK		15				
IMPLND	IWATER	SURO	0.083333	COPY	INPUT	MEAN
END MASS-LINK		15				
MASS-LINK		17				
RCHRES	OFLOW	OVOL	1	COPY	INPUT	MEAN
END MASS-LINK		17				

END MASS-LINK

END RUN

Mitigated HSPF Message File

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/ 1/10 7: 0

RCHRES: 9

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
22 5747.1	5811.0	5875.9	

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/ 1/10 7: 0

RCHRES: 9

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
0.0000E+00	1.1622E+04	-2.344E+04	2.0171	2.0171E+00	2

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/12/18 12: 0

RCHRES: 9

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
22 5.7471E+03	5811.0	5824.3	

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/12/18 12: 0

RCHRES: 9

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
0.0000E+00	1.1622E+04	-1.405E+04	1.2091	1.2091E+00	2

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/12/29 18: 0

RCHRES: 9

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
22 5.7471E+03	5811.0	5881.4	

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/12/29 18: 0

RCHRES: 9

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
0.0000E+00	1.1622E+04	-2.445E+04	2.1033	2.1033E+00	2

ERROR/WARNING ID: 341 6

DATE/TIME: 1980/ 1/29 5: 0

RCHRES: 9

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
22 5.7471E+03	5811.0	5858.3	

ERROR/WARNING ID: 341 5

DATE/TIME: 1980/ 1/29 5: 0

RCHRES: 9

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
0.0000E+00	1.1622E+04	-2.023E+04	1.7405	1.7405E+00	2

ERROR/WARNING ID: 341 6

DATE/TIME: 1980/ 2/20 24: 0

RCHRES: 9

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
22 5.7471E+03	5811.0	6024.9	

ERROR/WARNING ID: 341 5

DATE/TIME: 1980/ 2/20 24: 0

RCHRES: 9

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT	
0.0000E+00	1.1622E+04	-5.056E+04	4.3500	4.3500E+00		2

ERROR/WARNING ID: 341 6

DATE/TIME: 1980/ 1/29 5: 0

RCHRES: 19

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
22 6.8835E+03	6960.0	7007.9	

ERROR/WARNING ID: 341 5

DATE/TIME: 1980/ 1/29 5: 0

RCHRES: 19

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT	
0.0000E+00	1.3920E+04	-2.263E+04	1.6260	1.6260E+00		2

ERROR/WARNING ID: 341 6

DATE/TIME: 1980/ 2/20 20: 0

RCHRES: 19

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
22 6.8835E+03	6960.0	7042.3	

ERROR/WARNING ID: 341 5

DATE/TIME: 1980/ 2/20 20: 0

RCHRES: 19

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0).

Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
0.0000E+00	1.3920E+04	-2.889E+04	2.0754	2.0754E+00	2

ERROR/WARNING ID: 341 6

DATE/TIME: 1980/ 2/20 24: 0

RCHRES: 19

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
22	6.8835E+03	6960.0	7266.0

ERROR/WARNING ID: 341 5

DATE/TIME: 1980/ 2/20 24: 0

RCHRES: 19

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
0.0000E+00	1.3920E+04	-6.961E+04	5.0007	5.0007E+00	2

ERROR/WARNING ID: 341 6

DATE/TIME: 1982/11/30 11: 0

RCHRES: 9

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
22	5.7471E+03	5811.0	5821.3

ERROR/WARNING ID: 341 5

DATE/TIME: 1982/11/30 11: 0

RCHRES: 9

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
0.0000E+00	1.1622E+04	-1.350E+04	1.1613	1.1613E+00	2

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is

therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1985/ 6/30 24: 0

RCHRES : 23

RELERR	STORS	STOR	MATIN	MATDIF
-1.000E+00	0.00000	0.0000E+00	0.00000	3.0260E-13

Where:

RELERR is the relative error (ERROR/REFVAL).

ERROR is (STOR-STORS) - MATDIF.

REFVAL is the reference value (STORS+MATIN).

STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.

STORS is the storage of material in the pu at the start of the present printout reporting period.

MATIN is the total inflow of material to the pu during the present printout reporting period.

MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1989/ 4/30 24: 0

RCHRES : 23

RELERR	STORS	STOR	MATIN	MATDIF
-1.000E+00	0.00000	0.0000E+00	0.00000	3.3480E-12

Where:

RELERR is the relative error (ERROR/REFVAL).

ERROR is (STOR-STORS) - MATDIF.

REFVAL is the reference value (STORS+MATIN).

STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.

STORS is the storage of material in the pu at the start of the present printout reporting period.

MATIN is the total inflow of material to the pu during the present printout reporting period.

MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1996/ 5/31 24: 0

RCHRES : 23

RELERR	STORS	STOR	MATIN	MATDIF
-1.000E+00	0.00000	0.0000E+00	0.00000	3.9824E-12

Where:

RELERR is the relative error (ERROR/REFVAL).
ERROR is (STOR-STORS) - MATDIF.
REFVAL is the reference value (STORS+MATIN).
STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.
STORS is the storage of material in the pu at the start of the present printout reporting period.
MATIN is the total inflow of material to the pu during the present printout reporting period.
MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 2001/ 5/31 24: 0

RCHRES : 23

RELERR	STORS	STOR	MATIN	MATDIF
-1.000E+00	0.00000	0.0000E+00	0.00000	9.1784E-13

Where:

RELERR is the relative error (ERROR/REFVAL).
ERROR is (STOR-STORS) - MATDIF.
REFVAL is the reference value (STORS+MATIN).
STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.
STORS is the storage of material in the pu at the start of the present printout reporting period.
MATIN is the total inflow of material to the pu during the present printout reporting period.
MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

Disclaimer

Legal Notice

This program and accompanying documentation are provided 'as-is' without warranty of any kind. The entire risk regarding the performance and results of this program is assumed by End User. Clear Creek Solutions Inc. and the governmental licensee or sublicensees disclaim all warranties, either expressed or implied, including but not limited to implied warranties of program and accompanying documentation. In no event shall Clear Creek Solutions Inc. be liable for any damages whatsoever (including without limitation to damages for loss of business profits, loss of business information, business interruption, and the like) arising out of the use of, or inability to use this program even if Clear Creek Solutions Inc. or their authorized representatives have been advised of the possibility of such damages. Software Copyright © by : Clear Creek Solutions, Inc. 2005-2016; All Rights Reserved.

Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

The image shows a cover page for a project report. It features a light blue rounded rectangle in the upper center of a white page with rounded corners. The text "SDHM" and "PROJECT REPORT" is centered within this rectangle in a bold, black, serif font. The entire page is framed by a thin black border.

SDHM
PROJECT REPORT

General Model Information

Project Name: CBC-Basin 3
Site Name: CBC
Site Address: 16919 Four Gee Rd
City: San Diego
Report Date: 10/25/2016
Gage: POWAY
Data Start: 10/01/1963
Data End: 09/30/2004
Timestep: Hourly
Precip Scale: 1.00
Version Date: 2016/04/13

POC Thresholds

Low Flow Threshold for POC2:	10 Percent of the 2 Year
High Flow Threshold for POC2:	10 Year

Low Flow Threshold for POC3:	10 Percent of the 2 Year
High Flow Threshold for POC3:	10 Year

Landuse Basin Data

Predeveloped Land Use

Basin 3- Node C

Bypass: No

GroundWater: No

Pervious Land Use acre
D,Grass,MOD(5-10%) 0.66

Pervious Total 0.66

Impervious Land Use acre

Impervious Total 0

Basin Total 0.66

Element Flows To:
Surface Interflow Groundwater

Mitigated Land Use

Basin 213 - Node C

Bypass: No

GroundWater: No

Pervious Land Use acre

Pervious Total 0

Impervious Land Use acre
IMPERVIOUS-FLAT 0.2

Impervious Total 0.2

Basin Total 0.2

Element Flows To:		
Surface	Interflow	Groundwater
IMP 213 Surface13		

Basin 214 - Node C

Bypass: No

GroundWater: No

Pervious Land Use acre

D,Urban,FLAT(0-5%) 0.02

D,Gravel,Flat(0-5) 0.08

Pervious Total 0.1

Impervious Land Use acre

IMPERVIOUS-FLAT 0.1

Impervious Total 0.1

Basin Total 0.2

Element Flows To:

Surface

Interflow

Groundwater

IMP 214 Surface14

Basin 215- Node C

Bypass: No

GroundWater: No

Pervious Land Use acre

D,Urban,FLAT(0-5%) 0.01

D,Gravel,Flat(0-5) 0.02

Pervious Total 0.03

Impervious Land Use acre

IMPERVIOUS-FLAT 0.02

Impervious Total 0.02

Basin Total 0.05

Element Flows To:

Surface

Interflow

Groundwater

IMP 215 Surface15

Routing Elements

Predeveloped Routing

Mitigated Routing

Porous Pavement 214

Pavement Area: 0.1876 acre. Pavement Length: 340.50 ft.
Pavement Width: 24.00 ft.
Pavement slope 1:0.01 To 1
Pavement thickness: 0.5
Pour Space of Pavement: 0.1
Material thickness of second layer: 1.5
Pour Space of material for second layer: 0.4
Material thickness of third layer: 0
Pour Space of material for third layer: 0
Infiltration On
Infiltration rate: 0.02
Infiltration safety factor: 0.5
Wetted surface area On
Total Volume Infiltrated (ac-ft.): 4.25
Total Volume Through Riser (ac-ft.): 0.277
Total Volume Through Facility (ac-ft.): 4.527
Percent Infiltrated: 93.88
Total Precip Applied to Facility: 0
Total Evap From Facility: 1.454
Element Flows To:
Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.187	0.000	0.000	0.000
0.0178	0.187	0.001	0.000	0.001
0.0356	0.187	0.002	0.000	0.001
0.0533	0.187	0.004	0.000	0.001
0.0711	0.187	0.005	0.000	0.001
0.0889	0.187	0.006	0.000	0.001
0.1067	0.187	0.008	0.000	0.001
0.1244	0.187	0.009	0.000	0.001
0.1422	0.187	0.010	0.000	0.001
0.1600	0.187	0.012	0.000	0.001
0.1778	0.187	0.013	0.000	0.001
0.1956	0.187	0.014	0.000	0.001
0.2133	0.187	0.016	0.000	0.001
0.2311	0.187	0.017	0.000	0.001
0.2489	0.187	0.018	0.000	0.001
0.2667	0.187	0.020	0.000	0.001
0.2844	0.187	0.021	0.000	0.001
0.3022	0.187	0.022	0.000	0.001
0.3200	0.187	0.024	0.000	0.001
0.3378	0.187	0.025	0.000	0.001
0.3556	0.187	0.026	0.000	0.001
0.3733	0.187	0.028	0.000	0.001
0.3911	0.187	0.029	0.000	0.001
0.4089	0.187	0.030	0.000	0.001
0.4267	0.187	0.032	0.000	0.001
0.4444	0.187	0.033	0.000	0.001
0.4622	0.187	0.034	0.000	0.001
0.4800	0.187	0.036	0.000	0.001

0.4978	0.187	0.037	0.000	0.001
0.5156	0.187	0.038	0.121	0.001
0.5333	0.187	0.040	0.178	0.001
0.5511	0.187	0.041	0.220	0.001
0.5689	0.187	0.042	0.256	0.001
0.5867	0.187	0.044	0.287	0.001
0.6044	0.187	0.045	0.315	0.001
0.6222	0.187	0.046	0.341	0.001
0.6400	0.187	0.048	0.365	0.001
0.6578	0.187	0.049	0.388	0.001
0.6756	0.187	0.050	0.409	0.001
0.6933	0.187	0.052	0.429	0.001
0.7111	0.187	0.053	0.448	0.001
0.7289	0.187	0.054	0.467	0.001
0.7467	0.187	0.056	0.485	0.001
0.7644	0.187	0.057	0.502	0.001
0.7822	0.187	0.058	0.519	0.001
0.8000	0.187	0.060	0.535	0.001
0.8178	0.187	0.061	0.550	0.001
0.8356	0.187	0.062	0.565	0.001
0.8533	0.187	0.064	0.580	0.001
0.8711	0.187	0.065	0.595	0.001
0.8889	0.187	0.066	0.609	0.001
0.9067	0.187	0.068	0.623	0.001
0.9244	0.187	0.069	0.636	0.001
0.9422	0.187	0.070	0.649	0.001
0.9600	0.187	0.072	0.662	0.001
0.9778	0.187	0.073	0.675	0.001
0.9956	0.187	0.074	0.687	0.001
1.0133	0.187	0.076	0.699	0.001
1.0311	0.187	0.077	0.712	0.001
1.0489	0.187	0.078	0.723	0.001
1.0667	0.187	0.080	0.735	0.001
1.0844	0.187	0.081	0.746	0.001
1.1022	0.187	0.082	0.758	0.001
1.1200	0.187	0.084	0.769	0.001
1.1378	0.187	0.085	0.780	0.001
1.1556	0.187	0.086	0.791	0.001
1.1733	0.187	0.088	0.801	0.001
1.1911	0.187	0.089	0.812	0.001
1.2089	0.187	0.090	0.822	0.001
1.2267	0.187	0.092	0.832	0.001
1.2444	0.187	0.093	0.842	0.001
1.2622	0.187	0.094	0.852	0.001
1.2800	0.187	0.096	0.862	0.001
1.2978	0.187	0.097	0.872	0.001
1.3156	0.187	0.098	0.882	0.001
1.3333	0.187	0.100	0.891	0.001
1.3511	0.187	0.101	0.901	0.001
1.3689	0.187	0.102	0.910	0.001
1.3867	0.187	0.104	0.919	0.001
1.4044	0.187	0.105	0.929	0.001
1.4222	0.187	0.106	0.938	0.001
1.4400	0.187	0.108	0.947	0.001
1.4578	0.187	0.109	0.956	0.001
1.4756	0.187	0.110	0.964	0.001
1.4933	0.187	0.112	0.973	0.001
1.5111	0.187	0.112	0.982	0.001

1.5289	0.187	0.112	0.990	0.001
1.5467	0.187	0.113	0.999	0.001
1.5644	0.187	0.113	1.007	0.001
1.5822	0.187	0.113	1.016	0.001
1.6000	0.187	0.114	1.024	0.001

Porous Pavement 215

Pavement Area: 0.0755 acre. Pavement Length: 91.40 ft.
 Pavement Width: 36.00 ft.
 Pavement slope 1:0.01 To 1
 Pavement thickness: 0.5
 Pour Space of Pavement: 0.1
 Material thickness of second layer: 1.5
 Pour Space of material for second layer: 0.4
 Material thickness of third layer: 0
 Pour Space of material for third layer: 0
 Infiltration On
 Infiltration rate: 0.02
 Infiltration safety factor: 0.5
 Wetted surface area On
 Total Volume Infiltrated (ac-ft.): 1.71
 Total Volume Through Riser (ac-ft.): 0.112
 Total Volume Through Facility (ac-ft.): 1.822
 Percent Infiltrated: 93.85
 Total Precip Applied to Facility: 0
 Total Evap From Facility: 0.585
 Element Flows To:
 Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.075	0.000	0.000	0.000
0.0178	0.075	0.000	0.000	0.000
0.0356	0.075	0.001	0.000	0.000
0.0533	0.075	0.001	0.000	0.000
0.0711	0.075	0.002	0.000	0.000
0.0889	0.075	0.002	0.000	0.000
0.1067	0.075	0.003	0.000	0.000
0.1244	0.075	0.003	0.000	0.000
0.1422	0.075	0.004	0.000	0.000
0.1600	0.075	0.004	0.000	0.000
0.1778	0.075	0.005	0.000	0.000
0.1956	0.075	0.005	0.000	0.000
0.2133	0.075	0.006	0.000	0.000
0.2311	0.075	0.007	0.000	0.000
0.2489	0.075	0.007	0.000	0.000
0.2667	0.075	0.008	0.000	0.000
0.2844	0.075	0.008	0.000	0.000
0.3022	0.075	0.009	0.000	0.000
0.3200	0.075	0.009	0.000	0.000
0.3378	0.075	0.010	0.000	0.000
0.3556	0.075	0.010	0.000	0.000
0.3733	0.075	0.011	0.000	0.000
0.3911	0.075	0.011	0.000	0.000
0.4089	0.075	0.012	0.000	0.000
0.4267	0.075	0.012	0.000	0.000
0.4444	0.075	0.013	0.000	0.000
0.4622	0.075	0.014	0.000	0.000
0.4800	0.075	0.014	0.000	0.000
0.4978	0.075	0.015	0.000	0.000
0.5156	0.075	0.015	0.121	0.000

0.5333	0.075	0.016	0.178	0.000
0.5511	0.075	0.016	0.220	0.000
0.5689	0.075	0.017	0.256	0.000
0.5867	0.075	0.017	0.287	0.000
0.6044	0.075	0.018	0.315	0.000
0.6222	0.075	0.018	0.341	0.000
0.6400	0.075	0.019	0.365	0.000
0.6578	0.075	0.019	0.388	0.000
0.6756	0.075	0.020	0.409	0.000
0.6933	0.075	0.021	0.429	0.000
0.7111	0.075	0.021	0.448	0.000
0.7289	0.075	0.022	0.467	0.000
0.7467	0.075	0.022	0.485	0.000
0.7644	0.075	0.023	0.502	0.000
0.7822	0.075	0.023	0.519	0.000
0.8000	0.075	0.024	0.535	0.000
0.8178	0.075	0.024	0.550	0.000
0.8356	0.075	0.025	0.565	0.000
0.8533	0.075	0.025	0.580	0.000
0.8711	0.075	0.026	0.595	0.000
0.8889	0.075	0.026	0.609	0.000
0.9067	0.075	0.027	0.623	0.000
0.9244	0.075	0.027	0.636	0.000
0.9422	0.075	0.028	0.649	0.000
0.9600	0.075	0.029	0.662	0.000
0.9778	0.075	0.029	0.675	0.000
0.9956	0.075	0.030	0.687	0.000
1.0133	0.075	0.030	0.699	0.000
1.0311	0.075	0.031	0.712	0.000
1.0489	0.075	0.031	0.723	0.000
1.0667	0.075	0.032	0.735	0.000
1.0844	0.075	0.032	0.746	0.000
1.1022	0.075	0.033	0.758	0.000
1.1200	0.075	0.033	0.769	0.000
1.1378	0.075	0.034	0.780	0.000
1.1556	0.075	0.034	0.791	0.000
1.1733	0.075	0.035	0.801	0.000
1.1911	0.075	0.036	0.812	0.000
1.2089	0.075	0.036	0.822	0.000
1.2267	0.075	0.037	0.832	0.000
1.2444	0.075	0.037	0.842	0.000
1.2622	0.075	0.038	0.852	0.000
1.2800	0.075	0.038	0.862	0.000
1.2978	0.075	0.039	0.872	0.000
1.3156	0.075	0.039	0.882	0.000
1.3333	0.075	0.040	0.891	0.000
1.3511	0.075	0.040	0.901	0.000
1.3689	0.075	0.041	0.910	0.000
1.3867	0.075	0.041	0.919	0.000
1.4044	0.075	0.042	0.929	0.000
1.4222	0.075	0.043	0.938	0.000
1.4400	0.075	0.043	0.947	0.000
1.4578	0.075	0.044	0.956	0.000
1.4756	0.075	0.044	0.964	0.000
1.4933	0.075	0.045	0.973	0.000
1.5111	0.075	0.045	0.982	0.000
1.5289	0.075	0.045	0.990	0.000
1.5467	0.075	0.045	0.999	0.000

1.5644	0.075	0.045	1.007	0.000
1.5822	0.075	0.045	1.016	0.000
1.6000	0.075	0.045	1.024	0.000

IMP 213

Bottom Length:	98.50 ft.
Bottom Width:	20.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	2.893
Total Volume Through Riser (ac-ft.):	0.129
Total Volume Through Facility (ac-ft.):	6.558
Percent Infiltrated:	44.11
Total Precip Applied to Facility:	1.431
Total Evap From Facility:	1.25
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.4
Offset (in.):	0.5
Flow Through Underdrain (ac-ft.):	3.536
Total Outflow (ac-ft.):	6.558
Percent Through Underdrain:	53.92
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0452	0.0000	0.0000	0.0000
0.0495	0.0452	0.0022	0.0000	0.0000
0.0989	0.0452	0.0045	0.0000	0.0000
0.1484	0.0452	0.0067	0.0000	0.0000
0.1978	0.0452	0.0089	0.0009	0.0009
0.2473	0.0452	0.0112	0.0009	0.0009
0.2967	0.0452	0.0134	0.0009	0.0009
0.3462	0.0452	0.0157	0.0009	0.0009
0.3956	0.0452	0.0179	0.0009	0.0009
0.4451	0.0452	0.0201	0.0009	0.0009
0.4945	0.0452	0.0224	0.0009	0.0009
0.5440	0.0452	0.0246	0.0009	0.0009
0.5934	0.0452	0.0268	0.0009	0.0009
0.6429	0.0452	0.0291	0.0009	0.0009
0.6923	0.0452	0.0313	0.0009	0.0009
0.7418	0.0452	0.0335	0.0009	0.0009
0.7912	0.0452	0.0358	0.0009	0.0009
0.8407	0.0452	0.0380	0.0009	0.0009
0.8901	0.0452	0.0403	0.0009	0.0009
0.9396	0.0452	0.0425	0.0009	0.0009
0.9890	0.0452	0.0447	0.0009	0.0009
1.0385	0.0452	0.0470	0.0009	0.0009

1.0879	0.0452	0.0492	0.0009	0.0009
1.1374	0.0452	0.0514	0.0009	0.0009
1.1868	0.0452	0.0537	0.0009	0.0009
1.2363	0.0452	0.0559	0.0009	0.0009
1.2857	0.0452	0.0581	0.0009	0.0009
1.3352	0.0452	0.0604	0.0009	0.0009
1.3846	0.0452	0.0626	0.0009	0.0009
1.4341	0.0452	0.0649	0.0009	0.0009
1.4835	0.0452	0.0671	0.0009	0.0009
1.5330	0.0452	0.0693	0.0009	0.0009
1.5824	0.0452	0.0716	0.0009	0.0009
1.6319	0.0452	0.0738	0.0009	0.0009
1.6813	0.0452	0.0760	0.0009	0.0009
1.7308	0.0452	0.0783	0.0009	0.0009
1.7802	0.0452	0.0805	0.0009	0.0009
1.8297	0.0452	0.0827	0.0009	0.0009
1.8791	0.0452	0.0850	0.0009	0.0009
1.9286	0.0452	0.0872	0.0009	0.0009
1.9780	0.0452	0.0895	0.0009	0.0009
2.0275	0.0452	0.0917	0.0009	0.0009
2.0769	0.0452	0.0939	0.0009	0.0009
2.1264	0.0452	0.0962	0.0009	0.0009
2.1758	0.0452	0.0984	0.0009	0.0009
2.2253	0.0452	0.1006	0.0009	0.0009
2.2747	0.0452	0.1029	0.0009	0.0009
2.3242	0.0452	0.1051	0.0009	0.0009
2.3736	0.0452	0.1073	0.0009	0.0009
2.4231	0.0452	0.1096	0.0009	0.0009
2.4725	0.0452	0.1118	0.0009	0.0009
2.5220	0.0452	0.1141	0.0009	0.0009
2.5714	0.0452	0.1163	0.0009	0.0009
2.6209	0.0452	0.1185	0.0009	0.0009
2.6703	0.0452	0.1208	0.0009	0.0009
2.7198	0.0452	0.1230	0.0009	0.0009
2.7692	0.0452	0.1252	0.0009	0.0009
2.8187	0.0452	0.1275	0.0009	0.0009
2.8681	0.0452	0.1297	0.0009	0.0009
2.9176	0.0452	0.1319	0.0009	0.0009
2.9670	0.0452	0.1342	0.0009	0.0009
3.0165	0.0452	0.1364	0.0009	0.0009
3.0659	0.0452	0.1387	0.0009	0.0009
3.1154	0.0452	0.1409	0.0009	0.0009
3.1648	0.0452	0.1431	0.0009	0.0009
3.2143	0.0452	0.1454	0.0009	0.0009
3.2637	0.0452	0.1476	0.0009	0.0009
3.3132	0.0452	0.1498	0.0009	0.0009
3.3626	0.0452	0.1521	0.0009	0.0009
3.4121	0.0452	0.1543	0.0009	0.0009
3.4615	0.0452	0.1565	0.0009	0.0009

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltration(cfs)
3.4615	0.0452	0.1565	0.0000	0.0064	0.0000
3.5110	0.0452	0.1588	0.0000	0.0064	0.0000
3.5604	0.0452	0.1610	0.0000	0.0064	0.0000
3.6099	0.0452	0.1633	0.0000	0.0064	0.0000
3.6593	0.0452	0.1655	0.0000	0.0064	0.0000
3.7088	0.0452	0.1677	0.0000	0.0064	0.0000

3.7582	0.0452	0.1700	0.0000	0.0064	0.0000
3.8077	0.0452	0.1722	0.0002	0.0064	0.0000
3.8571	0.0452	0.1744	0.0008	0.0064	0.0000
3.9066	0.0452	0.1767	0.0012	0.0064	0.0000
3.9560	0.0452	0.1789	0.0014	0.0064	0.0000
4.0055	0.0452	0.1811	0.0016	0.0064	0.0000
4.0549	0.0452	0.1834	0.0017	0.0064	0.0000
4.1044	0.0452	0.1856	0.0018	0.0064	0.0000
4.1538	0.0452	0.1879	0.0020	0.0064	0.0000
4.2033	0.0452	0.1901	0.0021	0.0064	0.0000
4.2527	0.0452	0.1923	0.0022	0.0064	0.0000
4.3022	0.0452	0.1946	0.0023	0.0064	0.0000
4.3516	0.0452	0.1968	0.0024	0.0064	0.0000
4.4011	0.0452	0.1990	0.0025	0.0064	0.0000
4.4505	0.0452	0.2013	0.0026	0.0064	0.0000
4.5000	0.0452	0.2035	0.0027	0.0064	0.0000
4.5495	0.0452	0.2057	0.0028	0.0064	0.0000

IMP 213 Surface13

Element Flows To:

Outlet 1

Outlet 2

IMP 213

IMP 215

Bottom Length:	18.00 ft.
Bottom Width:	17.50 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	0.316
Total Volume Through Riser (ac-ft.):	0
Total Volume Through Facility (ac-ft.):	0.773
Percent Infiltrated:	40.88
Total Precip Applied to Facility:	0.222
Total Evap From Facility:	0.175
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.3
Offset (in.):	0.5
Flow Through Underdrain (ac-ft.):	0.457
Total Outflow (ac-ft.):	0.773
Percent Through Underdrain:	59.12
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0072	0.0000	0.0000	0.0000
0.0495	0.0072	0.0004	0.0000	0.0000
0.0989	0.0072	0.0007	0.0000	0.0000
0.1484	0.0072	0.0011	0.0000	0.0000
0.1978	0.0072	0.0014	0.0001	0.0001
0.2473	0.0072	0.0018	0.0001	0.0001
0.2967	0.0072	0.0021	0.0001	0.0001
0.3462	0.0072	0.0025	0.0001	0.0001
0.3956	0.0072	0.0029	0.0001	0.0001
0.4451	0.0072	0.0032	0.0001	0.0001
0.4945	0.0072	0.0036	0.0001	0.0001
0.5440	0.0072	0.0039	0.0001	0.0001
0.5934	0.0072	0.0043	0.0001	0.0001
0.6429	0.0072	0.0046	0.0001	0.0001
0.6923	0.0072	0.0050	0.0001	0.0001
0.7418	0.0072	0.0054	0.0001	0.0001
0.7912	0.0072	0.0057	0.0001	0.0001
0.8407	0.0072	0.0061	0.0001	0.0001
0.8901	0.0072	0.0064	0.0001	0.0001
0.9396	0.0072	0.0068	0.0001	0.0001
0.9890	0.0072	0.0072	0.0001	0.0001
1.0385	0.0072	0.0075	0.0001	0.0001

1.0879	0.0072	0.0079	0.0001	0.0001
1.1374	0.0072	0.0082	0.0001	0.0001
1.1868	0.0072	0.0086	0.0001	0.0001
1.2363	0.0072	0.0089	0.0001	0.0001
1.2857	0.0072	0.0093	0.0001	0.0001
1.3352	0.0072	0.0097	0.0001	0.0001
1.3846	0.0072	0.0100	0.0001	0.0001
1.4341	0.0072	0.0104	0.0001	0.0001
1.4835	0.0072	0.0107	0.0001	0.0001
1.5330	0.0072	0.0111	0.0001	0.0001
1.5824	0.0072	0.0114	0.0001	0.0001
1.6319	0.0072	0.0118	0.0001	0.0001
1.6813	0.0072	0.0122	0.0001	0.0001
1.7308	0.0072	0.0125	0.0001	0.0001
1.7802	0.0072	0.0129	0.0001	0.0001
1.8297	0.0072	0.0132	0.0001	0.0001
1.8791	0.0072	0.0136	0.0001	0.0001
1.9286	0.0072	0.0139	0.0001	0.0001
1.9780	0.0072	0.0143	0.0001	0.0001
2.0275	0.0072	0.0147	0.0001	0.0001
2.0769	0.0072	0.0150	0.0001	0.0001
2.1264	0.0072	0.0154	0.0001	0.0001
2.1758	0.0072	0.0157	0.0001	0.0001
2.2253	0.0072	0.0161	0.0001	0.0001
2.2747	0.0072	0.0164	0.0001	0.0001
2.3242	0.0072	0.0168	0.0001	0.0001
2.3736	0.0072	0.0172	0.0001	0.0001
2.4231	0.0072	0.0175	0.0001	0.0001
2.4725	0.0072	0.0179	0.0001	0.0001
2.5220	0.0072	0.0182	0.0001	0.0001
2.5714	0.0072	0.0186	0.0001	0.0001
2.6209	0.0072	0.0190	0.0001	0.0001
2.6703	0.0072	0.0193	0.0001	0.0001
2.7198	0.0072	0.0197	0.0001	0.0001
2.7692	0.0072	0.0200	0.0001	0.0001
2.8187	0.0072	0.0204	0.0001	0.0001
2.8681	0.0072	0.0207	0.0001	0.0001
2.9176	0.0072	0.0211	0.0001	0.0001
2.9670	0.0072	0.0215	0.0001	0.0001
3.0165	0.0072	0.0218	0.0001	0.0001
3.0659	0.0072	0.0222	0.0001	0.0001
3.1154	0.0072	0.0225	0.0001	0.0001
3.1648	0.0072	0.0229	0.0001	0.0001
3.2143	0.0072	0.0232	0.0001	0.0001
3.2637	0.0072	0.0236	0.0001	0.0001
3.3132	0.0072	0.0240	0.0001	0.0001
3.3626	0.0072	0.0243	0.0001	0.0001
3.4121	0.0072	0.0247	0.0001	0.0001
3.4615	0.0072	0.0250	0.0001	0.0001

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.4615	0.0072	0.0250	0.0000	0.0032	0.0000
3.5110	0.0072	0.0254	0.0000	0.0032	0.0000
3.5604	0.0072	0.0257	0.0000	0.0032	0.0000
3.6099	0.0072	0.0261	0.0000	0.0032	0.0000
3.6593	0.0072	0.0265	0.0000	0.0032	0.0000
3.7088	0.0072	0.0268	0.0000	0.0032	0.0000

3.7582	0.0072	0.0272	0.0000	0.0032	0.0000
3.8077	0.0072	0.0275	0.0001	0.0032	0.0000
3.8571	0.0072	0.0279	0.0001	0.0032	0.0000
3.9066	0.0072	0.0283	0.0003	0.0032	0.0000
3.9560	0.0072	0.0286	0.0004	0.0032	0.0000
4.0055	0.0072	0.0290	0.0005	0.0032	0.0000
4.0549	0.0072	0.0293	0.0006	0.0032	0.0000
4.1044	0.0072	0.0297	0.0008	0.0032	0.0000
4.1538	0.0072	0.0300	0.0009	0.0032	0.0000
4.2033	0.0072	0.0304	0.0010	0.0032	0.0000
4.2527	0.0072	0.0308	0.0010	0.0032	0.0000
4.3022	0.0072	0.0311	0.0011	0.0032	0.0000
4.3516	0.0072	0.0315	0.0012	0.0032	0.0000
4.4011	0.0072	0.0318	0.0012	0.0032	0.0000
4.4505	0.0072	0.0322	0.0013	0.0032	0.0000
4.5000	0.0072	0.0325	0.0014	0.0032	0.0000
4.5495	0.0072	0.0329	0.0014	0.0032	0.0000

IMP 215 Surface15

Element Flows To:

Outlet 1

Outlet 2

IMP 215

IMP 214

Bottom Length:	35.33 ft.
Bottom Width:	18.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.5
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	0.906
Total Volume Through Riser (ac-ft.):	0.157
Total Volume Through Facility (ac-ft.):	3.535
Percent Infiltrated:	25.63
Total Precip Applied to Facility:	0.455
Total Evap From Facility:	0.401
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.4
Offset (in.):	0.5
Flow Through Underdrain (ac-ft.):	2.472
Total Outflow (ac-ft.):	3.535
Percent Through Underdrain:	69.93
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0146	0.0000	0.0000	0.0000
0.0495	0.0146	0.0007	0.0000	0.0000
0.0989	0.0146	0.0014	0.0000	0.0000
0.1484	0.0146	0.0022	0.0000	0.0000
0.1978	0.0146	0.0029	0.0003	0.0003
0.2473	0.0146	0.0036	0.0003	0.0003
0.2967	0.0146	0.0043	0.0003	0.0003
0.3462	0.0146	0.0051	0.0003	0.0003
0.3956	0.0146	0.0058	0.0003	0.0003
0.4451	0.0146	0.0065	0.0003	0.0003
0.4945	0.0146	0.0072	0.0003	0.0003
0.5440	0.0146	0.0079	0.0003	0.0003
0.5934	0.0146	0.0087	0.0003	0.0003
0.6429	0.0146	0.0094	0.0003	0.0003
0.6923	0.0146	0.0101	0.0003	0.0003
0.7418	0.0146	0.0108	0.0003	0.0003
0.7912	0.0146	0.0116	0.0003	0.0003
0.8407	0.0146	0.0123	0.0003	0.0003
0.8901	0.0146	0.0130	0.0003	0.0003
0.9396	0.0146	0.0137	0.0003	0.0003
0.9890	0.0146	0.0144	0.0003	0.0003
1.0385	0.0146	0.0152	0.0003	0.0003

1.0879	0.0146	0.0159	0.0003	0.0003
1.1374	0.0146	0.0166	0.0003	0.0003
1.1868	0.0146	0.0173	0.0003	0.0003
1.2363	0.0146	0.0180	0.0003	0.0003
1.2857	0.0146	0.0188	0.0003	0.0003
1.3352	0.0146	0.0195	0.0003	0.0003
1.3846	0.0146	0.0202	0.0003	0.0003
1.4341	0.0146	0.0209	0.0003	0.0003
1.4835	0.0146	0.0217	0.0003	0.0003
1.5330	0.0146	0.0224	0.0003	0.0003
1.5824	0.0146	0.0231	0.0003	0.0003
1.6319	0.0146	0.0238	0.0003	0.0003
1.6813	0.0146	0.0245	0.0003	0.0003
1.7308	0.0146	0.0253	0.0003	0.0003
1.7802	0.0146	0.0260	0.0003	0.0003
1.8297	0.0146	0.0267	0.0003	0.0003
1.8791	0.0146	0.0274	0.0003	0.0003
1.9286	0.0146	0.0282	0.0003	0.0003
1.9780	0.0146	0.0289	0.0003	0.0003
2.0275	0.0146	0.0296	0.0003	0.0003
2.0769	0.0146	0.0303	0.0003	0.0003
2.1264	0.0146	0.0310	0.0003	0.0003
2.1758	0.0146	0.0318	0.0003	0.0003
2.2253	0.0146	0.0325	0.0003	0.0003
2.2747	0.0146	0.0332	0.0003	0.0003
2.3242	0.0146	0.0339	0.0003	0.0003
2.3736	0.0146	0.0347	0.0003	0.0003
2.4231	0.0146	0.0354	0.0003	0.0003
2.4725	0.0146	0.0361	0.0003	0.0003
2.5220	0.0146	0.0368	0.0003	0.0003
2.5714	0.0146	0.0375	0.0003	0.0003
2.6209	0.0146	0.0383	0.0003	0.0003
2.6703	0.0146	0.0390	0.0003	0.0003
2.7198	0.0146	0.0397	0.0003	0.0003
2.7692	0.0146	0.0404	0.0003	0.0003
2.8187	0.0146	0.0412	0.0003	0.0003
2.8681	0.0146	0.0419	0.0003	0.0003
2.9176	0.0146	0.0426	0.0003	0.0003
2.9670	0.0146	0.0433	0.0003	0.0003
3.0165	0.0146	0.0440	0.0003	0.0003
3.0659	0.0146	0.0448	0.0003	0.0003
3.1154	0.0146	0.0455	0.0003	0.0003
3.1648	0.0146	0.0462	0.0003	0.0003
3.2143	0.0146	0.0469	0.0003	0.0003
3.2637	0.0146	0.0476	0.0003	0.0003
3.3132	0.0146	0.0484	0.0003	0.0003
3.3626	0.0146	0.0491	0.0003	0.0003
3.4121	0.0146	0.0498	0.0003	0.0003
3.4615	0.0146	0.0505	0.0003	0.0003

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.4615	0.0146	0.0505	0.0000	0.0057	0.0000
3.5110	0.0146	0.0513	0.0000	0.0057	0.0000
3.5604	0.0146	0.0520	0.0000	0.0057	0.0000
3.6099	0.0146	0.0527	0.0000	0.0057	0.0000
3.6593	0.0146	0.0534	0.0000	0.0057	0.0000
3.7088	0.0146	0.0541	0.0000	0.0057	0.0000

3.7582	0.0146	0.0549	0.0000	0.0057	0.0000
3.8077	0.0146	0.0556	0.0002	0.0057	0.0000
3.8571	0.0146	0.0563	0.0003	0.0057	0.0000
3.9066	0.0146	0.0570	0.0005	0.0057	0.0000
3.9560	0.0146	0.0578	0.0009	0.0057	0.0000
4.0055	0.0146	0.0585	0.0011	0.0057	0.0000
4.0549	0.0146	0.0592	0.0013	0.0057	0.0000
4.1044	0.0146	0.0599	0.0015	0.0057	0.0000
4.1538	0.0146	0.0606	0.0017	0.0057	0.0000
4.2033	0.0146	0.0614	0.0018	0.0057	0.0000
4.2527	0.0146	0.0621	0.0020	0.0057	0.0000
4.3022	0.0146	0.0628	0.0021	0.0057	0.0000
4.3516	0.0146	0.0635	0.0022	0.0057	0.0000
4.4011	0.0146	0.0643	0.0023	0.0057	0.0000
4.4505	0.0146	0.0650	0.0024	0.0057	0.0000
4.5000	0.0146	0.0657	0.0025	0.0057	0.0000
4.5495	0.0146	0.0664	0.0026	0.0057	0.0000

IMP 214 Surface14

Element Flows To:

Outlet 1

Outlet 2

IMP 214

Analysis Results

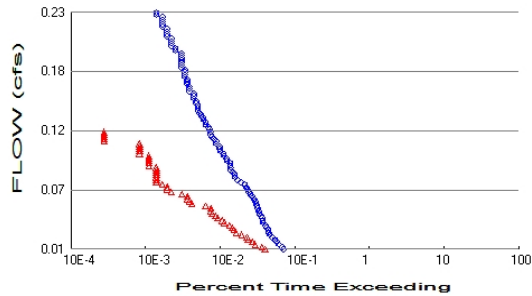
POC 1

POC #1 was not reported because POC must exist in both scenarios and both scenarios must have been run.

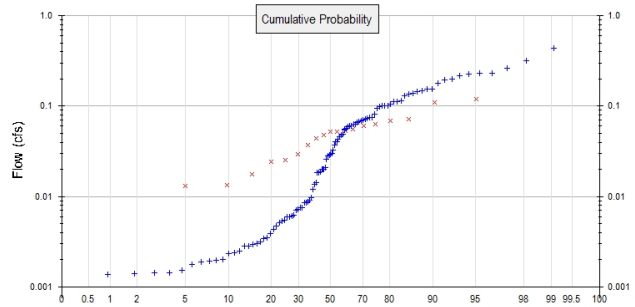
POC 2

POC #2 was not reported because POC must exist in both scenarios and both scenarios must have been run.

POC 3



+ Predeveloped x Mitigated



Predeveloped Landuse Totals for POC #3

Total Pervious Area: 0.66
Total Impervious Area: 0

Mitigated Landuse Totals for POC #3

Total Pervious Area: 0
Total Impervious Area: 0.26314

Flow Frequency Method: Cunnane

Flow Frequency Return Periods for Predeveloped. POC #3

Return Period	Flow(cfs)
2 year	0.106167
5 year	0.195689
10 year	0.231514
25 year	0.315998

Flow Frequency Return Periods for Mitigated. POC #3

Return Period	Flow(cfs)
2 year	0
5 year	0.052583
10 year	0.065252
25 year	0.107836

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
0.0106	252	143	56	Pass
0.0128	243	131	53	Pass
0.0151	218	106	48	Pass
0.0173	207	97	46	Pass
0.0195	196	85	43	Pass
0.0218	179	82	45	Pass
0.0240	166	70	42	Pass
0.0262	163	59	36	Pass
0.0285	158	55	34	Pass
0.0307	152	52	34	Pass
0.0329	144	48	33	Pass
0.0352	135	41	30	Pass
0.0374	134	38	28	Pass
0.0396	131	33	25	Pass
0.0419	126	31	24	Pass
0.0441	121	28	23	Pass
0.0463	119	27	22	Pass
0.0485	115	27	23	Pass
0.0508	112	23	20	Pass
0.0530	108	15	13	Pass
0.0552	106	14	13	Pass
0.0575	102	13	12	Pass
0.0597	96	13	13	Pass
0.0619	91	11	12	Pass
0.0642	86	8	9	Pass
0.0664	84	7	8	Pass
0.0686	81	7	8	Pass
0.0709	77	6	7	Pass
0.0731	68	5	7	Pass
0.0753	61	5	8	Pass
0.0776	57	5	8	Pass
0.0798	56	5	8	Pass
0.0820	53	5	9	Pass
0.0842	50	5	10	Pass
0.0865	50	5	10	Pass
0.0887	49	4	8	Pass
0.0909	49	4	8	Pass
0.0932	44	4	9	Pass
0.0954	43	4	9	Pass
0.0976	41	4	9	Pass
0.0999	40	3	7	Pass
0.1021	36	3	8	Pass
0.1043	35	3	8	Pass
0.1066	35	3	8	Pass
0.1088	32	3	9	Pass
0.1110	32	1	3	Pass
0.1133	30	1	3	Pass
0.1155	28	1	3	Pass
0.1177	27	1	3	Pass
0.1199	27	1	3	Pass
0.1222	26	0	0	Pass
0.1244	25	0	0	Pass
0.1266	23	0	0	Pass

0.1289	23	0	0	Pass
0.1311	22	0	0	Pass
0.1333	21	0	0	Pass
0.1356	20	0	0	Pass
0.1378	19	0	0	Pass
0.1400	18	0	0	Pass
0.1423	18	0	0	Pass
0.1445	18	0	0	Pass
0.1467	17	0	0	Pass
0.1490	17	0	0	Pass
0.1512	16	0	0	Pass
0.1534	16	0	0	Pass
0.1557	16	0	0	Pass
0.1579	14	0	0	Pass
0.1601	14	0	0	Pass
0.1623	14	0	0	Pass
0.1646	13	0	0	Pass
0.1668	13	0	0	Pass
0.1690	13	0	0	Pass
0.1713	12	0	0	Pass
0.1735	12	0	0	Pass
0.1757	12	0	0	Pass
0.1780	12	0	0	Pass
0.1802	11	0	0	Pass
0.1824	11	0	0	Pass
0.1847	11	0	0	Pass
0.1869	11	0	0	Pass
0.1891	11	0	0	Pass
0.1914	11	0	0	Pass
0.1936	11	0	0	Pass
0.1958	9	0	0	Pass
0.1980	9	0	0	Pass
0.2003	8	0	0	Pass
0.2025	8	0	0	Pass
0.2047	8	0	0	Pass
0.2070	8	0	0	Pass
0.2092	7	0	0	Pass
0.2114	7	0	0	Pass
0.2137	7	0	0	Pass
0.2159	7	0	0	Pass
0.2181	6	0	0	Pass
0.2204	6	0	0	Pass
0.2226	6	0	0	Pass
0.2248	6	0	0	Pass
0.2271	6	0	0	Pass
0.2293	5	0	0	Pass
0.2315	5	0	0	Pass

POC 4

POC #4 was not reported because POC must exist in both scenarios and both scenarios must have been run.

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

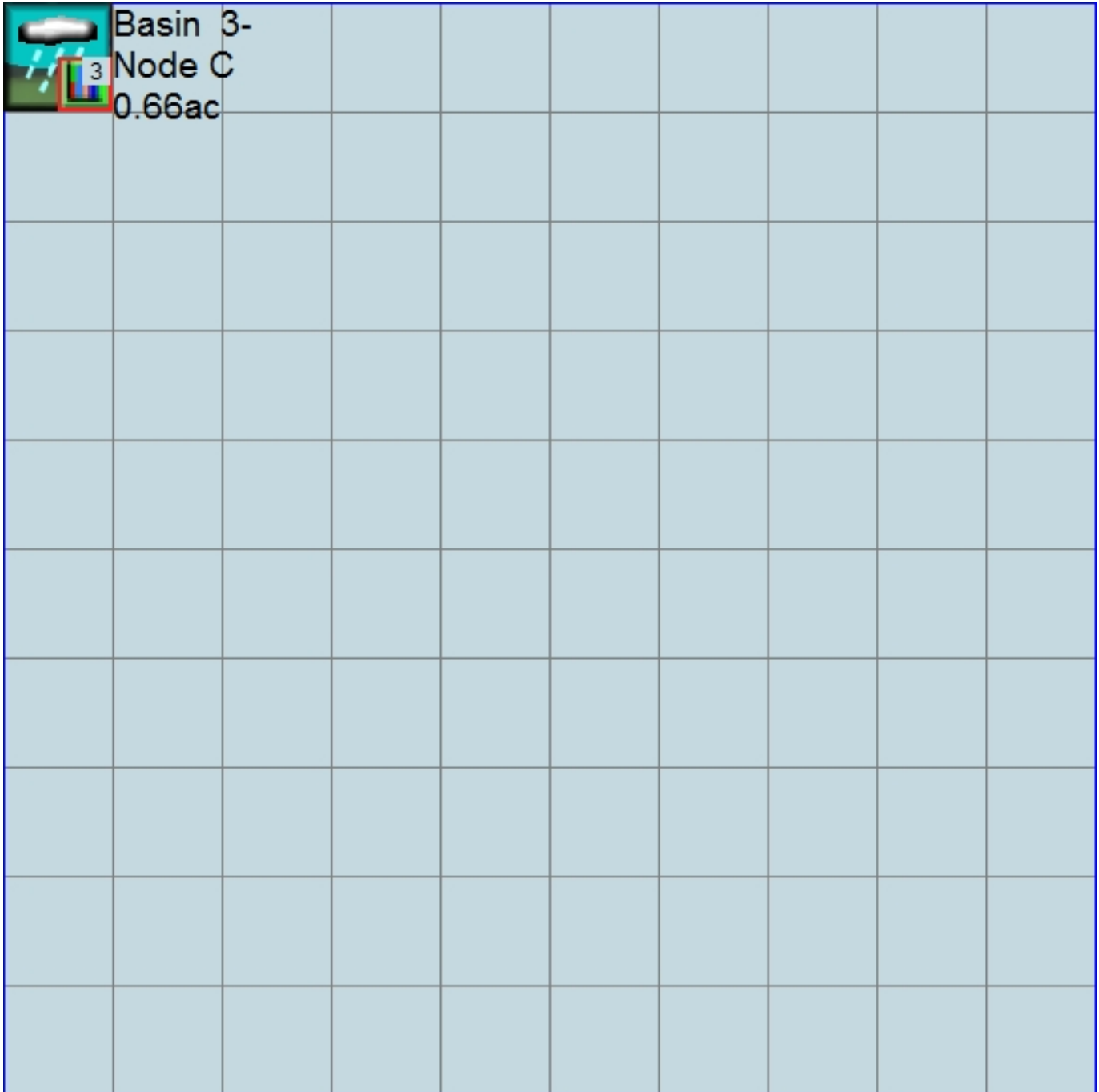
No PERLND changes have been made.

IMPLND Changes

No IMPLND changes have been made.

Appendix

Predeveloped Schematic



Mitigated Schematic



Predeveloped UCI File

RUN

GLOBAL

```
WWM4 model simulation
START      1963 10 01      END      2004 09 30
RUN INTERP OUTPUT LEVEL    3      0
RESUME     0 RUN      1
UNIT SYSTEM      1
END GLOBAL
```

FILES

```
<File>  <Un#>  <-----File Name----->***
<-ID->                                     ***
WDM      26     CBC-Basin 3.wdm
MESSU    25     PreCBC-Basin 3.MES
          27     PreCBC-Basin 3.L61
          28     PreCBC-Basin 3.L62
          32     POCCBC-Basin 33.dat
```

END FILES

OPN SEQUENCE

```
INGRP      INDELT 00:60
  PERLND    29
  COPY      503
  DISPLY     3
```

END INGRP

END OPN SEQUENCE

DISPLY

DISPLY-INF01

```
# - #<-----Title----->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
3   Basin 3- Node C          MAX          1    2    32    9
```

END DISPLY-INF01

END DISPLY

COPY

TIMESERIES

```
# - # NPT NMN ***
1     1    1
503   1    1
```

END TIMESERIES

END COPY

GENER

OPCODE

```
# # OPCD ***
```

END OPCODE

PARM

```
# # K ***
```

END PARM

END GENER

PERLND

GEN-INFO

```
<PLS ><-----Name----->NBLKS Unit-systems Printer ***
# - # User t-series Engl Metr ***
```

```
in out
```

```
29 D,Grass,MOD(5-10%) 1 1 1 1 27 0
```

END GEN-INFO

*** Section PWATER***

ACTIVITY

```
<PLS > ***** Active Sections *****
```

```
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC ***
```

```
29 0 0 1 0 0 0 0 0 0 0 0 0 0
```

END ACTIVITY

PRINT-INFO

```
<PLS > ***** Print-flags ***** PIVL PYR
```

```
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC *****
```

```
29 0 0 4 0 0 0 0 0 0 0 0 0 0 1 9
```

END PRINT-INFO

```

PWAT-PARM1
<PLS > PWATER variable monthly parameter value flags ***
# - # CSNO RTOP UZFG VCS VUZ VNN VIFW VIRC VLE INFC HWT ***
29 0 1 1 1 0 0 0 0 1 1 0
END PWAT-PARM1

PWAT-PARM2
<PLS > PWATER input info: Part 2 ***
# - # ***FOREST LZSN INFILT LSUR SLSUR KVARY AGWRC
29 0 4.5 0.03 200 0.1 3 0.92
END PWAT-PARM2

PWAT-PARM3
<PLS > PWATER input info: Part 3 ***
# - # ***PETMAX PETMIN INFEXP INFILD DEEPFR BASETP AGWETP
29 35 30 2 2 0.4 0.05 0.05
END PWAT-PARM3

PWAT-PARM4
<PLS > PWATER input info: Part 4 ***
# - # CEPSC UZSN NSUR INTFW IRC LZETP ***
29 0.08 0.6 0.2 1.5 0.7 0.5
END PWAT-PARM4

MON-LZETPARM
<PLS > PWATER input info: Part 3 ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
29 0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.4 0.4 0.4
END MON-LZETPARM

MON-INTERCEP
<PLS > PWATER input info: Part 3 ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
29 0.1 0.1 0.1 0.1 0.06 0.06 0.06 0.06 0.1 0.1 0.1
END MON-INTERCEP

PWAT-STATE1
<PLS > *** Initial conditions at start of simulation
ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
# - # *** CEPS SURS UZS IFWS LZS AGWS GWVS
29 0 0 0.15 0 4 0.05 0
END PWAT-STATE1

END PERLND

IMPLND
GEN-INFO
<PLS ><-----Name-----> Unit-systems Printer ***
# - # User t-series Engl Metr ***
in out ***

END GEN-INFO
*** Section IWATER***

ACTIVITY
<PLS > ***** Active Sections *****
# - # ATMP SNOW IWAT SLD IWG IQAL ***
END ACTIVITY

PRINT-INFO
<ILS > ***** Print-flags ***** PIVL PYR
# - # ATMP SNOW IWAT SLD IWG IQAL *****
END PRINT-INFO

IWAT-PARM1
<PLS > IWATER variable monthly parameter value flags ***
# - # CSNO RTOP VRS VNN RTLI ***
END IWAT-PARM1

IWAT-PARM2
<PLS > IWATER input info: Part 2 ***
# - # *** LSUR SLSUR NSUR RETSC
END IWAT-PARM2

```

```

IWAT-PARM3
  <PLS >          IWATER input info: Part 3          ***
  # - # ***PETMAX    PETMIN
END IWAT-PARM3

IWAT-STATE1
  <PLS > *** Initial conditions at start of simulation
  # - # *** RETS      SURS
END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->          <--Area-->      <-Target->      MBLK      ***
<Name> #            <-factor->      <Name> #      Tbl#      ***
Basin 3- Node C***
PERLND 29                                0.66      COPY    503      12

*****Routing*****
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name> #      <Name> # #<-factor->strg <Name> # #      <Name> # #      ***
COPY    503 OUTPUT MEAN 1 1 12.1      DISPLY 3      INPUT TIMSER 1

<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name> #      <Name> # #<-factor->strg <Name> # #      <Name> # #      ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES      Name      Nexits      Unit Systems      Printer      ***
    # - #<-----><----> User T-series Engl Metr LKFG      ***
                                in out
  END GEN-INFO
  *** Section RCHRES***

ACTIVITY
  <PLS > ***** Active Sections *****
  # - # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
END ACTIVITY

PRINT-INFO
  <PLS > ***** Print-flags ***** PIVL  PYR
  # - # HYDR ADCA CONS HEAT SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR *****
END PRINT-INFO

HYDR-PARM1
  RCHRES      Flags for each HYDR Section      ***
  # - # VC A1 A2 A3 ODFVFG for each *** ODGTFG for each FUNCT for each
          FG FG FG FG possible exit *** possible exit possible exit
          * * * * * * * *
END HYDR-PARM1

HYDR-PARM2
  # - # FTABNO      LEN      DELTH      STCOR      KS      DB50      ***
<-----><-----><-----><-----><-----><----->
END HYDR-PARM2
HYDR-INIT
  RCHRES      Initial conditions for each HYDR section      ***
  # - # *** VOL      Initial value of COLIND      Initial value of OUTDGT
          *** ac-ft      for each possible exit      for each possible exit
<-----><----->      <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS

```

END SPEC-ACTIONS
 FTABLES
 END FTABLES

EXT SOURCES

<-Volume->	<Member>	SsysSgap<--Mult-->Tran	<-Target	vols>	<-Grp>	<-Member->	***
<Name>	#	<Name> # tem strg<-factor->strg	<Name>	#	#	<Name> # #	***
WDM	2	PREC ENGL 1	PERLND	1	999	EXTNL PREC	
WDM	2	PREC ENGL 1	IMPLND	1	999	EXTNL PREC	
WDM	1	EVAP ENGL 1	PERLND	1	999	EXTNL PETINP	
WDM	1	EVAP ENGL 1	IMPLND	1	999	EXTNL PETINP	

END EXT SOURCES

EXT TARGETS

<-Volume->	<-Grp>	<-Member-><--Mult-->Tran	<-Volume->	<Member>	Tsys	Tgap	Amd	***
<Name>	#	<Name> # #<-factor->strg	<Name>	#	<Name>	tem	strg	strg***
COPY	503	OUTPUT MEAN 1 1 12.1	WDM	503	FLOW	ENGL	REPL	

END EXT TARGETS

MASS-LINK

<Volume>	<-Grp>	<-Member-><--Mult-->	<Target>	<-Grp>	<-Member->***
<Name>	#	<Name> # #<-factor->	<Name>	#	<Name> # #***
MASS-LINK	12				
PERLND	PWATER	SURO 0.083333	COPY	INPUT	MEAN

END MASS-LINK

END MASS-LINK

END RUN

Mitigated UCI File

RUN

GLOBAL

WWM4 model simulation
START 1963 10 01 END 2004 09 30
RUN INTERP OUTPUT LEVEL 3 0
RESUME 0 RUN 1 UNIT SYSTEM 1
END GLOBAL

FILES

<File>	<Un#>	<-----File Name----->	***
<-ID->			***
WDM	26	CBC-Basin 3.wdm	
MESSU	25	MitCBC-Basin 3.MES	
	27	MitCBC-Basin 3.L61	
	28	MitCBC-Basin 3.L62	
	32	POCCBC-Basin 33.dat	
	31	POCCBC-Basin 32.dat	

END FILES

OPN SEQUENCE

INGRP INDELT 00:60

IMPLND	1
PERLND	40
PERLND	34
IMPLND	6
RCHRES	1
IMPLND	7
RCHRES	2
RCHRES	3
RCHRES	4
RCHRES	5
RCHRES	6
RCHRES	7
RCHRES	8
COPY	3
COPY	503
COPY	2
COPY	502
DISPLY	3
DISPLY	2

END INGRP

END OPN SEQUENCE

DISPLY

DISPLY-INF01

#	-	#	<-----Title----->	***	TRAN	PIVL	DIG1	FIL1	PYR	DIG2	FIL2	YRND
3			Porous Pavement	214	MAX				1	2	32	9
2			IMP 213 Surface13		MAX				1	2	31	9

END DISPLY-INF01

END DISPLY

COPY

TIMESERIES

#	-	#	NPT	NMN	***
1			1	1	
3			1	1	
503			1	1	
2			1	1	
502			1	1	

END TIMESERIES

END COPY

GENER

OPCODE

#	#	OPCD	***
---	---	------	-----

END OPCODE

PARM

#	#	K	***
---	---	---	-----

END PARM

END GENER

PERLND

GEN-INFO

```
<PLS ><-----Name----->NBLKS      Unit-systems      Printer ***
# - #      User      t-series      Engl Metr ***
                        in      out      ***
40      D,Urban,FLAT(0-5%)      1      1      1      1      27      0
34      D,Gravel,Flat(0-5)      1      1      1      1      27      0
END GEN-INFO
*** Section PWATER***
```

ACTIVITY

```
<PLS > ***** Active Sections *****
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC ***
40      0      0      1      0      0      0      0      0      0      0      0      0
34      0      0      1      0      0      0      0      0      0      0      0      0
END ACTIVITY
```

PRINT-INFO

```
<PLS > ***** Print-flags ***** PIVL PYR
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC *****
40      0      0      4      0      0      0      0      0      0      0      0      0      1      9
34      0      0      4      0      0      0      0      0      0      0      0      0      1      9
END PRINT-INFO
```

PWAT-PARM1

```
<PLS > PWATER variable monthly parameter value flags ***
# - # CSNO RTOP UZFG VCS VUZ VNN VIFW VIRC VLE INFC HWT ***
40      0      1      1      1      0      0      0      0      1      1      0
34      0      1      1      1      0      0      0      0      1      1      0
END PWAT-PARM1
```

PWAT-PARM2

```
<PLS > PWATER input info: Part 2      ***
# - # ***FOREST      LZSN      INFILT      LSUR      SLSUR      KVARV      AGWRC
40      0      4.8      0.04      200      0.05      3      0.92
34      0      2.4      0.022      400      0.05      2      0.95
END PWAT-PARM2
```

PWAT-PARM3

```
<PLS > PWATER input info: Part 3      ***
# - # ***PETMAX      PETMIN      INFEXP      INFILD      DEEPFR      BASETP      AGWETP
40      35      30      2      2      0.4      0.05      0.05
34      35      30      2      2      0.4      0.05      0.05
END PWAT-PARM3
```

PWAT-PARM4

```
<PLS > PWATER input info: Part 4      ***
# - # CEPSC      UZSN      NSUR      INTFW      IRC      LZETP ***
40      0.08      0.6      0.2      1.5      0.7      0.5
34      0      1.6      0.35      0      0.7      0
END PWAT-PARM4
```

MON-LZETPARM

```
<PLS > PWATER input info: Part 3      ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
40      0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.6 0.4 0.4 0.4
34      0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.6 0.4 0.4 0.4
END MON-LZETPARM
```

MON-INTERCEP

```
<PLS > PWATER input info: Part 3      ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
40      0.1 0.1 0.1 0.1 0.06 0.06 0.06 0.06 0.06 0.1 0.1 0.1
34      0.1 0.1 0.1 0.1 0.06 0.06 0.06 0.06 0.06 0.1 0.1 0.1
END MON-INTERCEP
```

PWAT-STATE1

```
<PLS > *** Initial conditions at start of simulation
ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
# - # *** CEPS      SURS      UZS      IFWS      LZS      AGWS      GWVS
40      0      0      0.15      0      4      0.05      0
34      0      0      0.01      0      0.5      0.3      0.01
END PWAT-STATE1
```

END PERLND

IMPLND

GEN-INFO

<PLS ><-----Name----->		Unit-systems			Printer		***
#	- #	User	t-series	Engl Metr	***	***	***
			in	out			
1	IMPERVIOUS-FLAT	1	1	1	27	0	
6	Porous Pavement	1	1	1	27	0	
7	Porous Pavement	1	1	1	27	0	

END GEN-INFO

*** Section IWATER***

ACTIVITY

<PLS >		***** Active Sections *****						***
#	- #	ATMP	SNOW	IWAT	SLD	IWG	IQAL	***
1		0	0	1	0	0	0	
6		0	0	1	0	0	0	
7		0	0	1	0	0	0	

END ACTIVITY

PRINT-INFO

<ILS >		***** Print-flags *****						PIVL	PYR	***
#	- #	ATMP	SNOW	IWAT	SLD	IWG	IQAL	***	***	***
1		0	0	4	0	0	0	1	9	
6		0	0	4	0	0	0	1	9	
7		0	0	4	0	0	0	1	9	

END PRINT-INFO

IWAT-PARM1

<PLS >		IWATER variable monthly parameter value flags						***
#	- #	CSNO	RTOP	VRS	VNN	RTL	***	***
1		0	0	0	0	1		
6		0	0	0	0	1		
7		0	0	0	0	1		

END IWAT-PARM1

IWAT-PARM2

<PLS >		IWATER input info: Part 2				***
#	- #	***	LSUR	SLSUR	NSUR	RETSC
1			100	0.035	0.05	0.1
6			100	0.01	0.1	0.1
7			100	0.01	0.1	0.1

END IWAT-PARM2

IWAT-PARM3

<PLS >		IWATER input info: Part 3		***
#	- #	***	PETMAX	PETMIN
1			0	0
6			0	0
7			0	0

END IWAT-PARM3

IWAT-STATE1

<PLS >		*** Initial conditions at start of simulation		
#	- #	***	RETS	SURS
1			0	0
6			0	0
7			0	0

END IWAT-STATE1

END IMPLND

SCHEMATIC

<-Source->		<-Area->	<-Target->	MBLK	***
<Name>	#	<-factor->	<Name>	#	Tbl#
Basin	213	- Node C***			
IMPLND	1	0.2	RCHRES	3	5
Basin	214	- Node C***			

PERLND	40	0.02	RCHRES	7	2
PERLND	34	0.08	RCHRES	7	2
IMPLND	1	0.1	RCHRES	7	5
Basin 215- Node C***					
PERLND	40	0.01	RCHRES	5	2
PERLND	34	0.02	RCHRES	5	2
IMPLND	1	0.02	RCHRES	5	5
IMPLND	7	0.0755	RCHRES	2	5
IMPLND	6	0.1876	RCHRES	1	5

*****Routing*****

IMPLND	1	0.2	COPY	2	15
RCHRES	3	1	RCHRES	4	8
RCHRES	5	1	RCHRES	6	8
RCHRES	5		COPY	2	18
RCHRES	7	1	RCHRES	8	8
RCHRES	7		COPY	2	18
RCHRES	1	1	COPY	503	17
RCHRES	2	1	COPY	503	17
RCHRES	4	1	COPY	502	17
RCHRES	3	1	COPY	502	17
RCHRES	6	1	COPY	502	17
RCHRES	8	1	COPY	502	17

END SCHEMATIC

NETWORK

<-Volume->	<-Grp>	<-Member->	<-Mult-->	Tran	<-Target	vols>	<-Grp>	<-Member->	***
<Name>	#	<Name>	#	<-factor->	strg	<Name>	#	<Name>	#
COPY	503	OUTPUT	MEAN	1 1	12.1	DISPLY	3	INPUT	TIMSER 1
COPY	502	OUTPUT	MEAN	1 1	12.1	DISPLY	2	INPUT	TIMSER 1

<-Volume->	<-Grp>	<-Member->	<-Mult-->	Tran	<-Target	vols>	<-Grp>	<-Member->	***
<Name>	#	<Name>	#	<-factor->	strg	<Name>	#	<Name>	#

END NETWORK

RCHRES

GEN-INFO

RCHRES	Name	Nexits	Unit	Systems	Printer	***
# - #	<----->	<---->	User	T-series	Engl Metr LKFG	***
				in out		***
1	Porous Pavement -013	2	1	1 1	28 0 1	
2	Porous Pavement -023	2	1	1 1	28 0 1	
3	IMP 213 Surface1-053	3	1	1 1	28 0 1	
4	IMP 213	2	1	1 1	28 0 1	
5	IMP 215 Surface1-055	3	1	1 1	28 0 1	
6	IMP 215	2	1	1 1	28 0 1	
7	IMP 214 Surface1-057	3	1	1 1	28 0 1	
8	IMP 214	2	1	1 1	28 0 1	

END GEN-INFO

*** Section RCHRES***

ACTIVITY

<PLS >	***** Active Sections *****											
# - #	HYFG	ADFG	CNFG	HTFG	SDFG	GQFG	OXFG	NUFG	PKFG	PHFG	***	
1	1	0	0	0	0	0	0	0	0	0		
2	1	0	0	0	0	0	0	0	0	0		
3	1	0	0	0	0	0	0	0	0	0		
4	1	0	0	0	0	0	0	0	0	0		
5	1	0	0	0	0	0	0	0	0	0		
6	1	0	0	0	0	0	0	0	0	0		
7	1	0	0	0	0	0	0	0	0	0		
8	1	0	0	0	0	0	0	0	0	0		

END ACTIVITY

PRINT-INFO

<PLS >	***** Print-flags *****											
# - #	HYDR	ADCA	CONS	HEAT	SED	GQL	OXRX	NUTR	PLNK	PHCB	PIVL	PYR
1	4	0	0	0	0	0	0	0	0	0	1	9

2	4	0	0	0	0	0	0	0	0	0	0	1	9
3	4	0	0	0	0	0	0	0	0	0	0	1	9
4	4	0	0	0	0	0	0	0	0	0	0	1	9
5	4	0	0	0	0	0	0	0	0	0	0	1	9
6	4	0	0	0	0	0	0	0	0	0	0	1	9
7	4	0	0	0	0	0	0	0	0	0	0	1	9
8	4	0	0	0	0	0	0	0	0	0	0	1	9

END PRINT-INFO

HYDR-PARM1

# - #	Flags for each HYDR Section										ODGTFG for each					FUNCT for each					
	VC		A1		A2		A3		ODFVFG		possible		exit		***		possible		exit		
	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	
1	0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
2	0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
3	0	1	0	0	4	5	6	0	0	0	0	0	0	0	0	0	2	2	2	2	2
4	0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
5	0	1	0	0	4	5	6	0	0	0	0	0	0	0	0	0	2	2	2	2	2
6	0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
7	0	1	0	0	4	5	6	0	0	0	0	0	0	0	0	0	2	2	2	2	2
8	0	1	0	0	4	5	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2

END HYDR-PARM1

HYDR-PARM2

# - #	FTABNO	LEN	DELTH	STCOR	KS	DB50
1	1	0.06	0.0	0.0	0.5	0.0
2	2	0.02	0.0	0.0	0.5	0.0
3	3	0.01	0.0	0.0	0.5	0.0
4	4	0.02	0.0	0.0	0.5	0.0
5	5	0.01	0.0	0.0	0.5	0.0
6	6	0.01	0.0	0.0	0.5	0.0
7	7	0.01	0.0	0.0	0.5	0.0
8	8	0.01	0.0	0.0	0.5	0.0

END HYDR-PARM2

HYDR-INIT

# - #	Initial conditions for each HYDR section										Initial value of COLIND					Initial value of OUTDGT				
	VOL		Initial value of		COLIND		Initial value of		OUTDGT		for each possible exit		for each possible exit		for each possible exit					
	***	ac-ft	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit	for each possible exit				
1	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
2	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
3	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
4	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
5	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
6	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
7	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
8	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

END HYDR-INIT

END RCHRES

SPEC-ACTIONS

END SPEC-ACTIONS

FTABLES

FTABLE 1								
91	5	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time (Minutes)
0.000000	0.187603	0.000000	0.000000	0.000000	0.000000	0.000000		
0.017778	0.187603	0.001334	0.000000	0.001892				
0.035556	0.187603	0.002668	0.000000	0.001892				
0.053333	0.187603	0.004002	0.000000	0.001892				
0.071111	0.187603	0.005336	0.000000	0.001892				
0.088889	0.187603	0.006670	0.000000	0.001892				
0.106667	0.187603	0.008004	0.000000	0.001892				
0.124444	0.187603	0.009338	0.000000	0.001892				
0.142222	0.187603	0.010673	0.000000	0.001892				
0.160000	0.187603	0.012007	0.000000	0.001892				
0.177778	0.187603	0.013341	0.000000	0.001892				

0.195556	0.187603	0.014675	0.000000	0.001892
0.213333	0.187603	0.016009	0.000000	0.001892
0.231111	0.187603	0.017343	0.000000	0.001892
0.248889	0.187603	0.018677	0.000000	0.001892
0.266667	0.187603	0.020011	0.000000	0.001892
0.284444	0.187603	0.021345	0.000000	0.001892
0.302222	0.187603	0.022679	0.000000	0.001892
0.320000	0.187603	0.024013	0.000000	0.001892
0.337778	0.187603	0.025347	0.000000	0.001892
0.355556	0.187603	0.026681	0.000000	0.001892
0.373333	0.187603	0.028015	0.000000	0.001892
0.391111	0.187603	0.029349	0.000000	0.001892
0.408889	0.187603	0.030684	0.000000	0.001892
0.426667	0.187603	0.032018	0.000000	0.001892
0.444444	0.187603	0.033352	0.000000	0.001892
0.462222	0.187603	0.034686	0.000000	0.001892
0.480000	0.187603	0.036020	0.000000	0.001892
0.497778	0.187603	0.037354	0.000000	0.001892
0.515556	0.187603	0.038688	0.121844	0.001892
0.533333	0.187603	0.040022	0.178361	0.001892
0.551111	0.187603	0.041356	0.220861	0.001892
0.568889	0.187603	0.042690	0.256411	0.001892
0.586667	0.187603	0.044024	0.287599	0.001892
0.604444	0.187603	0.045358	0.315721	0.001892
0.622222	0.187603	0.046692	0.341536	0.001892
0.640000	0.187603	0.048026	0.365532	0.001892
0.657778	0.187603	0.049361	0.388047	0.001892
0.675556	0.187603	0.050695	0.409325	0.001892
0.693333	0.187603	0.052029	0.429551	0.001892
0.711111	0.187603	0.053363	0.448866	0.001892
0.728889	0.187603	0.054697	0.467384	0.001892
0.746667	0.187603	0.056031	0.485195	0.001892
0.764444	0.187603	0.057365	0.502375	0.001892
0.782222	0.187603	0.058699	0.518987	0.001892
0.800000	0.187603	0.060033	0.535084	0.001892
0.817778	0.187603	0.061367	0.550710	0.001892
0.835556	0.187603	0.062701	0.565905	0.001892
0.853333	0.187603	0.064035	0.580702	0.001892
0.871111	0.187603	0.065369	0.595132	0.001892
0.888889	0.187603	0.066703	0.609220	0.001892
0.906667	0.187603	0.068037	0.622989	0.001892
0.924444	0.187603	0.069372	0.636461	0.001892
0.942222	0.187603	0.070706	0.649653	0.001892
0.960000	0.187603	0.072040	0.662583	0.001892
0.977778	0.187603	0.073374	0.675265	0.001892
0.995556	0.187603	0.074708	0.687713	0.001892
1.013333	0.187603	0.076042	0.699940	0.001892
1.031111	0.187603	0.077376	0.711957	0.001892
1.048889	0.187603	0.078710	0.723775	0.001892
1.066667	0.187603	0.080044	0.735402	0.001892
1.084444	0.187603	0.081378	0.746849	0.001892
1.102222	0.187603	0.082712	0.758123	0.001892
1.120000	0.187603	0.084046	0.769232	0.001892
1.137778	0.187603	0.085380	0.780182	0.001892
1.155556	0.187603	0.086714	0.790981	0.001892
1.173333	0.187603	0.088048	0.801634	0.001892
1.191111	0.187603	0.089383	0.812148	0.001892
1.208889	0.187603	0.090717	0.822527	0.001892
1.226667	0.187603	0.092051	0.832777	0.001892
1.244444	0.187603	0.093385	0.842903	0.001892
1.262222	0.187603	0.094719	0.852908	0.001892
1.280000	0.187603	0.096053	0.862797	0.001892
1.297778	0.187603	0.097387	0.872574	0.001892
1.315556	0.187603	0.098721	0.882243	0.001892
1.333333	0.187603	0.100055	0.891806	0.001892
1.351111	0.187603	0.101389	0.901269	0.001892
1.368889	0.187603	0.102723	0.910633	0.001892
1.386667	0.187603	0.104057	0.919902	0.001892
1.404444	0.187603	0.105391	0.929078	0.001892
1.422222	0.187603	0.106725	0.938165	0.001892

1.440000	0.187603	0.108060	0.947164	0.001892
1.457778	0.187603	0.109394	0.956079	0.001892
1.475556	0.187603	0.110728	0.964911	0.001892
1.493333	0.187603	0.112062	0.973663	0.001892
1.511111	0.187603	0.112395	0.982337	0.001892
1.528889	0.187603	0.112729	0.990936	0.001892
1.546667	0.187603	0.113062	0.999460	0.001892
1.564444	0.187603	0.113396	1.007912	0.001892
1.582222	0.187603	0.113729	1.016294	0.001892
1.600000	0.187603	0.114063	1.024608	0.001892

END FTABLE 1

FTABLE 2

91 5	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
	0.000000	0.075537	0.000000	0.000000	0.000000		
	0.017778	0.075537	0.000537	0.000000	0.000762		
	0.035556	0.075537	0.001074	0.000000	0.000762		
	0.053333	0.075537	0.001611	0.000000	0.000762		
	0.071111	0.075537	0.002149	0.000000	0.000762		
	0.088889	0.075537	0.002686	0.000000	0.000762		
	0.106667	0.075537	0.003223	0.000000	0.000762		
	0.124444	0.075537	0.003760	0.000000	0.000762		
	0.142222	0.075537	0.004297	0.000000	0.000762		
	0.160000	0.075537	0.004834	0.000000	0.000762		
	0.177778	0.075537	0.005372	0.000000	0.000762		
	0.195556	0.075537	0.005909	0.000000	0.000762		
	0.213333	0.075537	0.006446	0.000000	0.000762		
	0.231111	0.075537	0.006983	0.000000	0.000762		
	0.248889	0.075537	0.007520	0.000000	0.000762		
	0.266667	0.075537	0.008057	0.000000	0.000762		
	0.284444	0.075537	0.008594	0.000000	0.000762		
	0.302222	0.075537	0.009132	0.000000	0.000762		
	0.320000	0.075537	0.009669	0.000000	0.000762		
	0.337778	0.075537	0.010206	0.000000	0.000762		
	0.355556	0.075537	0.010743	0.000000	0.000762		
	0.373333	0.075537	0.011280	0.000000	0.000762		
	0.391111	0.075537	0.011817	0.000000	0.000762		
	0.408889	0.075537	0.012355	0.000000	0.000762		
	0.426667	0.075537	0.012892	0.000000	0.000762		
	0.444444	0.075537	0.013429	0.000000	0.000762		
	0.462222	0.075537	0.013966	0.000000	0.000762		
	0.480000	0.075537	0.014503	0.000000	0.000762		
	0.497778	0.075537	0.015040	0.000000	0.000762		
	0.515556	0.075537	0.015577	0.121844	0.000762		
	0.533333	0.075537	0.016115	0.178361	0.000762		
	0.551111	0.075537	0.016652	0.220861	0.000762		
	0.568889	0.075537	0.017189	0.256411	0.000762		
	0.586667	0.075537	0.017726	0.287599	0.000762		
	0.604444	0.075537	0.018263	0.315721	0.000762		
	0.622222	0.075537	0.018800	0.341536	0.000762		
	0.640000	0.075537	0.019338	0.365532	0.000762		
	0.657778	0.075537	0.019875	0.388047	0.000762		
	0.675556	0.075537	0.020412	0.409325	0.000762		
	0.693333	0.075537	0.020949	0.429551	0.000762		
	0.711111	0.075537	0.021486	0.448866	0.000762		
	0.728889	0.075537	0.022023	0.467384	0.000762		
	0.746667	0.075537	0.022560	0.485195	0.000762		
	0.764444	0.075537	0.023098	0.502375	0.000762		
	0.782222	0.075537	0.023635	0.518987	0.000762		
	0.800000	0.075537	0.024172	0.535084	0.000762		
	0.817778	0.075537	0.024709	0.550710	0.000762		
	0.835556	0.075537	0.025246	0.565905	0.000762		
	0.853333	0.075537	0.025783	0.580702	0.000762		
	0.871111	0.075537	0.026321	0.595132	0.000762		
	0.888889	0.075537	0.026858	0.609220	0.000762		
	0.906667	0.075537	0.027395	0.622989	0.000762		
	0.924444	0.075537	0.027932	0.636461	0.000762		
	0.942222	0.075537	0.028469	0.649653	0.000762		
	0.960000	0.075537	0.029006	0.662583	0.000762		

0.977778	0.075537	0.029543	0.675265	0.000762
0.995556	0.075537	0.030081	0.687713	0.000762
1.013333	0.075537	0.030618	0.699940	0.000762
1.031111	0.075537	0.031155	0.711957	0.000762
1.048889	0.075537	0.031692	0.723775	0.000762
1.066667	0.075537	0.032229	0.735402	0.000762
1.084444	0.075537	0.032766	0.746849	0.000762
1.102222	0.075537	0.033304	0.758123	0.000762
1.120000	0.075537	0.033841	0.769232	0.000762
1.137778	0.075537	0.034378	0.780182	0.000762
1.155556	0.075537	0.034915	0.790981	0.000762
1.173333	0.075537	0.035452	0.801634	0.000762
1.191111	0.075537	0.035989	0.812148	0.000762
1.208889	0.075537	0.036526	0.822527	0.000762
1.226667	0.075537	0.037064	0.832777	0.000762
1.244444	0.075537	0.037601	0.842903	0.000762
1.262222	0.075537	0.038138	0.852908	0.000762
1.280000	0.075537	0.038675	0.862797	0.000762
1.297778	0.075537	0.039212	0.872574	0.000762
1.315556	0.075537	0.039749	0.882243	0.000762
1.333333	0.075537	0.040287	0.891806	0.000762
1.351111	0.075537	0.040824	0.901269	0.000762
1.368889	0.075537	0.041361	0.910633	0.000762
1.386667	0.075537	0.041898	0.919902	0.000762
1.404444	0.075537	0.042435	0.929078	0.000762
1.422222	0.075537	0.042972	0.938165	0.000762
1.440000	0.075537	0.043509	0.947164	0.000762
1.457778	0.075537	0.044047	0.956079	0.000762
1.475556	0.075537	0.044584	0.964911	0.000762
1.493333	0.075537	0.045121	0.973663	0.000762
1.511111	0.075537	0.045255	0.982337	0.000762
1.528889	0.075537	0.045389	0.990936	0.000762
1.546667	0.075537	0.045524	0.999460	0.000762
1.564444	0.075537	0.045658	1.007912	0.000762
1.582222	0.075537	0.045792	1.016294	0.000762
1.600000	0.075537	0.045927	1.024608	0.000762

END FTABLE 2

FTABLE 4

72	5						
Depth	Area	Volume	Outflow1	Outflow2	Velocity	Travel Time***	
(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec)	(Minutes)***	
0.000000	0.045225	0.000000	0.000000	0.000000			
0.049451	0.045225	0.000939	0.000000	0.000000			
0.098901	0.045225	0.001879	0.000000	0.000000			
0.148352	0.045225	0.002818	0.000000	0.000000			
0.197802	0.045225	0.003757	0.000000	0.000912			
0.247253	0.045225	0.004696	0.000000	0.000912			
0.296703	0.045225	0.005636	0.000000	0.000912			
0.346154	0.045225	0.006575	0.000179	0.000912			
0.395604	0.045225	0.007514	0.000825	0.000912			
0.445055	0.045225	0.008454	0.001220	0.000912			
0.494505	0.045225	0.009393	0.001409	0.000912			
0.543956	0.045225	0.010332	0.001570	0.000912			
0.593407	0.045225	0.011271	0.001716	0.000912			
0.642857	0.045225	0.012211	0.001850	0.000912			
0.692308	0.045225	0.013150	0.001975	0.000912			
0.741758	0.045225	0.014089	0.002092	0.000912			
0.791209	0.045225	0.015029	0.002202	0.000912			
0.840659	0.045225	0.015968	0.002307	0.000912			
0.890110	0.045225	0.016907	0.002408	0.000912			
0.939560	0.045225	0.017846	0.002505	0.000912			
0.989011	0.045225	0.018786	0.002597	0.000912			
1.038462	0.045225	0.019725	0.002687	0.000912			
1.087912	0.045225	0.020664	0.002773	0.000912			
1.137363	0.045225	0.021604	0.002857	0.000912			
1.186813	0.045225	0.022543	0.002939	0.000912			
1.236264	0.045225	0.023482	0.003018	0.000912			
1.285714	0.045225	0.024421	0.003095	0.000912			
1.335165	0.045225	0.025361	0.003171	0.000912			
1.384615	0.045225	0.026300	0.003244	0.000912			

1.434066	0.045225	0.027239	0.003316	0.000912
1.483516	0.045225	0.028179	0.003387	0.000912
1.532967	0.045225	0.029118	0.003455	0.000912
1.582418	0.045225	0.030057	0.003523	0.000912
1.631868	0.045225	0.030997	0.003589	0.000912
1.681319	0.045225	0.031936	0.003654	0.000912
1.730769	0.045225	0.032875	0.003718	0.000912
1.780220	0.045225	0.033814	0.003781	0.000912
1.829670	0.045225	0.034754	0.003843	0.000912
1.879121	0.045225	0.035693	0.003904	0.000912
1.928571	0.045225	0.036632	0.003964	0.000912
1.978022	0.045225	0.037572	0.004023	0.000912
2.027473	0.045225	0.038500	0.004081	0.000912
2.076923	0.045225	0.039428	0.004138	0.000912
2.126374	0.045225	0.040356	0.004195	0.000912
2.175824	0.045225	0.041284	0.004251	0.000912
2.225275	0.045225	0.042212	0.004306	0.000912
2.274725	0.045225	0.043140	0.004360	0.000912
2.324176	0.045225	0.044068	0.004414	0.000912
2.373626	0.045225	0.044996	0.004467	0.000912
2.423077	0.045225	0.045924	0.004520	0.000912
2.472527	0.045225	0.046853	0.004572	0.000912
2.521978	0.045225	0.047781	0.004623	0.000912
2.571429	0.045225	0.048709	0.004674	0.000912
2.620879	0.045225	0.049637	0.004725	0.000912
2.670330	0.045225	0.050565	0.004775	0.000912
2.719780	0.045225	0.051493	0.004824	0.000912
2.769231	0.045225	0.052421	0.004873	0.000912
2.818681	0.045225	0.053349	0.004922	0.000912
2.868132	0.045225	0.054277	0.004971	0.000912
2.917582	0.045225	0.055206	0.005019	0.000912
2.967033	0.045225	0.056134	0.005067	0.000912
3.016484	0.045225	0.057062	0.005116	0.000912
3.065934	0.045225	0.057990	0.005166	0.000912
3.115385	0.045225	0.058918	0.005258	0.000912
3.164835	0.045225	0.059846	0.005302	0.000912
3.214286	0.045225	0.060774	0.005346	0.000912
3.263736	0.045225	0.061702	0.005389	0.000912
3.313187	0.045225	0.062630	0.005433	0.000912
3.362637	0.045225	0.063558	0.005475	0.000912
3.412088	0.045225	0.064487	0.005518	0.000912
3.461538	0.045225	0.065415	0.005560	0.000912
3.500000	0.045225	0.132273	0.005592	0.000912

END FTABLE 4
FTABLE 3
22 6

Time*** (Minutes)***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.045225	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.045225	0.002236	0.000000	0.000000	0.006472	0.000000		
0.098901	0.045225	0.004473	0.000000	0.000000	0.006472	0.000000		
0.148352	0.045225	0.006709	0.000000	0.000000	0.006472	0.000000		
0.197802	0.045225	0.008946	0.000000	0.000000	0.006472	0.000000		
0.247253	0.045225	0.011182	0.000000	0.000000	0.006472	0.000000		
0.296703	0.045225	0.013418	0.000000	0.000000	0.006472	0.000000		
0.346154	0.045225	0.015655	0.000000	0.000000	0.006472	0.000000		
0.395604	0.045225	0.017891	0.000000	0.000000	0.006472	0.000000		
0.445055	0.045225	0.020128	0.000000	0.000000	0.006472	0.000000		
0.494505	0.045225	0.022364	0.000000	0.000000	0.006472	0.000000		
0.543956	0.045225	0.024600	0.000000	0.000000	0.006472	0.000000		
0.593407	0.045225	0.026837	0.000000	0.000000	0.006472	0.000000		
0.642857	0.045225	0.029073	0.000000	0.000000	0.006472	0.000000		
0.692308	0.045225	0.031310	0.000000	0.000000	0.006472	0.000000		
0.741758	0.045225	0.033546	0.000000	0.000000	0.006472	0.000000		
0.791209	0.045225	0.035782	0.000000	0.000000	0.006472	0.000000		
0.840659	0.045225	0.038019	0.007786	0.006472	0.006472	0.000000		
0.890110	0.045225	0.040255	0.103770	0.006472	0.006472	0.000000		
0.939560	0.045225	0.042492	0.250206	0.006472	0.006472	0.000000		

0.989011 0.045225 0.044728 0.416260 0.006472 0.000000
 1.000000 0.045225 0.045225 0.572728 0.006472 0.000000
 END FTABLE 3
 FTABLE 6
 72 5

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.007231	0.000000	0.000000	0.000000		
0.049451	0.007231	0.000150	0.000000	0.000000		
0.098901	0.007231	0.000300	0.000000	0.000000		
0.148352	0.007231	0.000451	0.000000	0.000000		
0.197802	0.007231	0.000601	0.000000	0.000146		
0.247253	0.007231	0.000751	0.000000	0.000146		
0.296703	0.007231	0.000901	0.000000	0.000146		
0.346154	0.007231	0.001051	0.000077	0.000146		
0.395604	0.007231	0.001202	0.000132	0.000146		
0.445055	0.007231	0.001352	0.000266	0.000146		
0.494505	0.007231	0.001502	0.000435	0.000146		
0.543956	0.007231	0.001652	0.000533	0.000146		
0.593407	0.007231	0.001802	0.000640	0.000146		
0.642857	0.007231	0.001952	0.000793	0.000146		
0.692308	0.007231	0.002103	0.000883	0.000146		
0.741758	0.007231	0.002253	0.000965	0.000146		
0.791209	0.007231	0.002403	0.001041	0.000146		
0.840659	0.007231	0.002553	0.001111	0.000146		
0.890110	0.007231	0.002703	0.001177	0.000146		
0.939560	0.007231	0.002854	0.001239	0.000146		
0.989011	0.007231	0.003004	0.001298	0.000146		
1.038462	0.007231	0.003154	0.001355	0.000146		
1.087912	0.007231	0.003304	0.001409	0.000146		
1.137363	0.007231	0.003454	0.001461	0.000146		
1.186813	0.007231	0.003605	0.001511	0.000146		
1.236264	0.007231	0.003755	0.001560	0.000146		
1.285714	0.007231	0.003905	0.001607	0.000146		
1.335165	0.007231	0.004055	0.001653	0.000146		
1.384615	0.007231	0.004205	0.001698	0.000146		
1.434066	0.007231	0.004356	0.001741	0.000146		
1.483516	0.007231	0.004506	0.001784	0.000146		
1.532967	0.007231	0.004656	0.001825	0.000146		
1.582418	0.007231	0.004806	0.001865	0.000146		
1.631868	0.007231	0.004956	0.001905	0.000146		
1.681319	0.007231	0.005106	0.001944	0.000146		
1.730769	0.007231	0.005257	0.001982	0.000146		
1.780220	0.007231	0.005407	0.002019	0.000146		
1.829670	0.007231	0.005557	0.002056	0.000146		
1.879121	0.007231	0.005707	0.002092	0.000146		
1.928571	0.007231	0.005857	0.002127	0.000146		
1.978022	0.007231	0.006008	0.002162	0.000146		
2.027473	0.007231	0.006156	0.002196	0.000146		
2.076923	0.007231	0.006304	0.002230	0.000146		
2.126374	0.007231	0.006453	0.002263	0.000146		
2.175824	0.007231	0.006601	0.002296	0.000146		
2.225275	0.007231	0.006750	0.002328	0.000146		
2.274725	0.007231	0.006898	0.002360	0.000146		
2.324176	0.007231	0.007046	0.002391	0.000146		
2.373626	0.007231	0.007195	0.002422	0.000146		
2.423077	0.007231	0.007343	0.002453	0.000146		
2.472527	0.007231	0.007492	0.002483	0.000146		
2.521978	0.007231	0.007640	0.002513	0.000146		
2.571429	0.007231	0.007788	0.002543	0.000146		
2.620879	0.007231	0.007937	0.002572	0.000146		
2.670330	0.007231	0.008085	0.002601	0.000146		
2.719780	0.007231	0.008234	0.002629	0.000146		
2.769231	0.007231	0.008382	0.002658	0.000146		
2.818681	0.007231	0.008530	0.002686	0.000146		
2.868132	0.007231	0.008679	0.002714	0.000146		
2.917582	0.007231	0.008827	0.002741	0.000146		
2.967033	0.007231	0.008976	0.002769	0.000146		
3.016484	0.007231	0.009124	0.002796	0.000146		
3.065934	0.007231	0.009272	0.002823	0.000146		

3.115385	0.007231	0.009421	0.002850	0.000146
3.164835	0.007231	0.009569	0.002877	0.000146
3.214286	0.007231	0.009718	0.002906	0.000146
3.263736	0.007231	0.009866	0.002958	0.000146
3.313187	0.007231	0.010015	0.002983	0.000146
3.362637	0.007231	0.010163	0.003007	0.000146
3.412088	0.007231	0.010311	0.003032	0.000146
3.461538	0.007231	0.010460	0.003056	0.000146
3.500000	0.007231	0.021150	0.003075	0.000146

END FTABLE 6

FTABLE 5

22 6

Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
---------	---------------	-----------------	---------------------	-------------------	-------------------	--------------------	----------------------	--------

0.000000	0.007231	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.007231	0.000358	0.000000	0.000000	0.003202	0.000000		
0.098901	0.007231	0.000715	0.000000	0.000000	0.003202	0.000000		
0.148352	0.007231	0.001073	0.000000	0.000000	0.003202	0.000000		
0.197802	0.007231	0.001430	0.000000	0.000000	0.003202	0.000000		
0.247253	0.007231	0.001788	0.000000	0.000000	0.003202	0.000000		
0.296703	0.007231	0.002146	0.000000	0.000000	0.003202	0.000000		
0.346154	0.007231	0.002503	0.000000	0.000000	0.003202	0.000000		
0.395604	0.007231	0.002861	0.000000	0.000000	0.003202	0.000000		
0.445055	0.007231	0.003218	0.000000	0.000000	0.003202	0.000000		
0.494505	0.007231	0.003576	0.000000	0.000000	0.003202	0.000000		
0.543956	0.007231	0.003934	0.000000	0.000000	0.003202	0.000000		
0.593407	0.007231	0.004291	0.000000	0.000000	0.003202	0.000000		
0.642857	0.007231	0.004649	0.000000	0.000000	0.003202	0.000000		
0.692308	0.007231	0.005006	0.000000	0.000000	0.003202	0.000000		
0.741758	0.007231	0.005364	0.000000	0.000000	0.003202	0.000000		
0.791209	0.007231	0.005722	0.000000	0.000000	0.003202	0.000000		
0.840659	0.007231	0.006079	0.007786	0.003202	0.000000	0.000000		
0.890110	0.007231	0.006437	0.103770	0.003202	0.000000	0.000000		
0.939560	0.007231	0.006794	0.250206	0.003202	0.000000	0.000000		
0.989011	0.007231	0.007152	0.416260	0.003202	0.000000	0.000000		
1.000000	0.007231	0.007231	0.572728	0.003202	0.000000	0.000000		

END FTABLE 5

FTABLE 8

72 5

Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
---------	---------------	-----------------	---------------------	-------------------	-------------------	----------------------	--------------------------------

0.000000	0.014599	0.000000	0.000000	0.000000	0.000000		
0.049451	0.014599	0.000303	0.000000	0.000000	0.000000		
0.098901	0.014599	0.000606	0.000000	0.000000	0.000000		
0.148352	0.014599	0.000910	0.000000	0.000000	0.000000		
0.197802	0.014599	0.001213	0.000000	0.000000	0.000294		
0.247253	0.014599	0.001516	0.000000	0.000000	0.000294		
0.296703	0.014599	0.001819	0.000000	0.000000	0.000294		
0.346154	0.014599	0.002122	0.000154	0.000294	0.000294		
0.395604	0.014599	0.002426	0.000266	0.000294	0.000294		
0.445055	0.014599	0.002729	0.000538	0.000294	0.000294		
0.494505	0.014599	0.003032	0.000878	0.000294	0.000294		
0.543956	0.014599	0.003335	0.001076	0.000294	0.000294		
0.593407	0.014599	0.003639	0.001293	0.000294	0.000294		
0.642857	0.014599	0.003942	0.001529	0.000294	0.000294		
0.692308	0.014599	0.004245	0.001716	0.000294	0.000294		
0.741758	0.014599	0.004548	0.001850	0.000294	0.000294		
0.791209	0.014599	0.004851	0.001975	0.000294	0.000294		
0.840659	0.014599	0.005155	0.002092	0.000294	0.000294		
0.890110	0.014599	0.005458	0.002202	0.000294	0.000294		
0.939560	0.014599	0.005761	0.002307	0.000294	0.000294		
0.989011	0.014599	0.006064	0.002408	0.000294	0.000294		
1.038462	0.014599	0.006367	0.002505	0.000294	0.000294		
1.087912	0.014599	0.006671	0.002597	0.000294	0.000294		
1.137363	0.014599	0.006974	0.002687	0.000294	0.000294		
1.186813	0.014599	0.007277	0.002773	0.000294	0.000294		
1.236264	0.014599	0.007580	0.002857	0.000294	0.000294		
1.285714	0.014599	0.007884	0.002939	0.000294	0.000294		

1.335165	0.014599	0.008187	0.003018	0.000294
1.384615	0.014599	0.008490	0.003095	0.000294
1.434066	0.014599	0.008793	0.003171	0.000294
1.483516	0.014599	0.009096	0.003244	0.000294
1.532967	0.014599	0.009400	0.003316	0.000294
1.582418	0.014599	0.009703	0.003387	0.000294
1.631868	0.014599	0.010006	0.003455	0.000294
1.681319	0.014599	0.010309	0.003523	0.000294
1.730769	0.014599	0.010612	0.003589	0.000294
1.780220	0.014599	0.010916	0.003654	0.000294
1.829670	0.014599	0.011219	0.003718	0.000294
1.879121	0.014599	0.011522	0.003781	0.000294
1.928571	0.014599	0.011825	0.003843	0.000294
1.978022	0.014599	0.012129	0.003904	0.000294
2.027473	0.014599	0.012428	0.003964	0.000294
2.076923	0.014599	0.012728	0.004023	0.000294
2.126374	0.014599	0.013027	0.004081	0.000294
2.175824	0.014599	0.013327	0.004138	0.000294
2.225275	0.014599	0.013627	0.004195	0.000294
2.274725	0.014599	0.013926	0.004251	0.000294
2.324176	0.014599	0.014226	0.004306	0.000294
2.373626	0.014599	0.014525	0.004360	0.000294
2.423077	0.014599	0.014825	0.004414	0.000294
2.472527	0.014599	0.015125	0.004467	0.000294
2.521978	0.014599	0.015424	0.004520	0.000294
2.571429	0.014599	0.015724	0.004572	0.000294
2.620879	0.014599	0.016023	0.004623	0.000294
2.670330	0.014599	0.016323	0.004674	0.000294
2.719780	0.014599	0.016623	0.004725	0.000294
2.769231	0.014599	0.016922	0.004775	0.000294
2.818681	0.014599	0.017222	0.004824	0.000294
2.868132	0.014599	0.017521	0.004873	0.000294
2.917582	0.014599	0.017821	0.004922	0.000294
2.967033	0.014599	0.018121	0.004971	0.000294
3.016484	0.014599	0.018420	0.005019	0.000294
3.065934	0.014599	0.018720	0.005067	0.000294
3.115385	0.014599	0.019019	0.005116	0.000294
3.164835	0.014599	0.019319	0.005166	0.000294
3.214286	0.014599	0.019619	0.005258	0.000294
3.263736	0.014599	0.019918	0.005302	0.000294
3.313187	0.014599	0.020218	0.005346	0.000294
3.362637	0.014599	0.020517	0.005389	0.000294
3.412088	0.014599	0.020817	0.005433	0.000294
3.461538	0.014599	0.021117	0.005475	0.000294
3.500000	0.014599	0.042699	0.005508	0.000294

END FTABLE 8

FTABLE 7

Time*** (Minutes)***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.014599	0.000000	0.000000	0.000000	0.000000	0.000000		
0.049451	0.014599	0.000722	0.000000	0.000000	0.005770	0.000000		
0.098901	0.014599	0.001444	0.000000	0.000000	0.005770	0.000000		
0.148352	0.014599	0.002166	0.000000	0.000000	0.005770	0.000000		
0.197802	0.014599	0.002888	0.000000	0.000000	0.005770	0.000000		
0.247253	0.014599	0.003610	0.000000	0.000000	0.005770	0.000000		
0.296703	0.014599	0.004332	0.000000	0.000000	0.005770	0.000000		
0.346154	0.014599	0.005054	0.000000	0.000000	0.005770	0.000000		
0.395604	0.014599	0.005775	0.000000	0.000000	0.005770	0.000000		
0.445055	0.014599	0.006497	0.000000	0.000000	0.005770	0.000000		
0.494505	0.014599	0.007219	0.000000	0.000000	0.005770	0.000000		
0.543956	0.014599	0.007941	0.000000	0.000000	0.005770	0.000000		
0.593407	0.014599	0.008663	0.000000	0.000000	0.005770	0.000000		
0.642857	0.014599	0.009385	0.000000	0.000000	0.005770	0.000000		
0.692308	0.014599	0.010107	0.000000	0.000000	0.005770	0.000000		
0.741758	0.014599	0.010829	0.000000	0.000000	0.005770	0.000000		
0.791209	0.014599	0.011551	0.000000	0.000000	0.005770	0.000000		
0.840659	0.014599	0.012273	0.007786	0.005770	0.005770	0.000000		

0.890110	0.014599	0.012995	0.103770	0.005770	0.000000
0.939560	0.014599	0.013717	0.250206	0.005770	0.000000
0.989011	0.014599	0.014439	0.416260	0.005770	0.000000
1.000000	0.014599	0.014599	0.572728	0.005770	0.000000

END FTABLE 7
END FTABLES

EXT SOURCES

<-Volume-> <Name>	#	<Member> <Name>	#	SsysSgap tem	<-Mult--> strg	Tran <-factor--> strg	<-Target <Name>	vols #	<-Grp> #	<-Member-> <Name>	#	*** ***
WDM	2	PREC		ENGL	1		PERLND	1	999	EXTNL	PREC	
WDM	2	PREC		ENGL	1		IMPLND	1	999	EXTNL	PREC	
WDM	1	EVAP		ENGL	1		PERLND	1	999	EXTNL	PETINP	
WDM	1	EVAP		ENGL	1		IMPLND	1	999	EXTNL	PETINP	
WDM	22	IRRG		ENGL	0.7	SAME	PERLND	40		EXTNL	SURLI	
WDM	2	PREC		ENGL	1		RCHRES	3		EXTNL	PREC	
WDM	2	PREC		ENGL	1		RCHRES	5		EXTNL	PREC	
WDM	2	PREC		ENGL	1		RCHRES	7		EXTNL	PREC	
WDM	1	EVAP		ENGL	1		RCHRES	1		EXTNL	POTEV	
WDM	1	EVAP		ENGL	1		RCHRES	2		EXTNL	POTEV	
WDM	1	EVAP		ENGL	0.5		RCHRES	3		EXTNL	POTEV	
WDM	1	EVAP		ENGL	0.7		RCHRES	4		EXTNL	POTEV	
WDM	1	EVAP		ENGL	0.5		RCHRES	5		EXTNL	POTEV	
WDM	1	EVAP		ENGL	0.7		RCHRES	6		EXTNL	POTEV	
WDM	1	EVAP		ENGL	0.5		RCHRES	7		EXTNL	POTEV	
WDM	1	EVAP		ENGL	0.7		RCHRES	8		EXTNL	POTEV	

END EXT SOURCES

EXT TARGETS

<-Volume-> <Name>	#	<-Grp> <Name>	<-Member-> <Name>	#	<-Mult--> #	Tran <-factor--> strg	<-Volume-> <Name>	#	<Member> <Name>	Tsys tem	Tgap strg	Amd strg	*** ***
COPY	3	OUTPUT	MEAN	1	1	12.1	WDM	703	FLOW	ENGL		REPL	
COPY	503	OUTPUT	MEAN	1	1	12.1	WDM	803	FLOW	ENGL		REPL	
RCHRES	2	HYDR	RO	1	1	1	WDM	1052	FLOW	ENGL		REPL	
RCHRES	2	HYDR	0	1	1	1	WDM	1053	FLOW	ENGL		REPL	
RCHRES	2	HYDR	0	2	1	1	WDM	1054	FLOW	ENGL		REPL	
RCHRES	4	HYDR	RO	1	1	1	WDM	1055	FLOW	ENGL		REPL	
RCHRES	4	HYDR	0	1	1	1	WDM	1056	FLOW	ENGL		REPL	
RCHRES	4	HYDR	0	2	1	1	WDM	1057	FLOW	ENGL		REPL	
RCHRES	4	HYDR	STAGE	1	1	1	WDM	1058	STAG	ENGL		REPL	
RCHRES	3	HYDR	STAGE	1	1	1	WDM	1059	STAG	ENGL		REPL	
RCHRES	3	HYDR	0	1	1	1	WDM	1060	FLOW	ENGL		REPL	
COPY	2	OUTPUT	MEAN	1	1	12.1	WDM	702	FLOW	ENGL		REPL	
COPY	502	OUTPUT	MEAN	1	1	12.1	WDM	802	FLOW	ENGL		REPL	
RCHRES	6	HYDR	RO	1	1	1	WDM	1061	FLOW	ENGL		REPL	
RCHRES	6	HYDR	0	1	1	1	WDM	1062	FLOW	ENGL		REPL	
RCHRES	6	HYDR	0	2	1	1	WDM	1063	FLOW	ENGL		REPL	
RCHRES	6	HYDR	STAGE	1	1	1	WDM	1064	STAG	ENGL		REPL	
RCHRES	5	HYDR	STAGE	1	1	1	WDM	1065	STAG	ENGL		REPL	
RCHRES	5	HYDR	0	1	1	1	WDM	1066	FLOW	ENGL		REPL	
RCHRES	8	HYDR	RO	1	1	1	WDM	1067	FLOW	ENGL		REPL	
RCHRES	8	HYDR	0	1	1	1	WDM	1068	FLOW	ENGL		REPL	
RCHRES	8	HYDR	0	2	1	1	WDM	1069	FLOW	ENGL		REPL	
RCHRES	8	HYDR	STAGE	1	1	1	WDM	1070	STAG	ENGL		REPL	
RCHRES	7	HYDR	STAGE	1	1	1	WDM	1071	STAG	ENGL		REPL	
RCHRES	7	HYDR	0	1	1	1	WDM	1072	FLOW	ENGL		REPL	

END EXT TARGETS

MASS-LINK

<Volume> <Name>	<-Grp> <Name>	<-Member-> <Name>	#	<-Mult--> #	<-factor--> #	<Target> <Name>	<-Grp> <Name>	<-Member-> <Name>	#	*** ***
MASS-LINK			2							
PERLND	PWATER	SURO			0.083333	RCHRES	INFLOW	IVOL		
END MASS-LINK			2							
MASS-LINK			5							
IMPLND	IWATER	SURO			0.083333	RCHRES	INFLOW	IVOL		
END MASS-LINK			5							

MASS-LINK	8				
RCHRES	OFLOW	OVOL	2	RCHRES	INFLOW IVOL
END MASS-LINK	8				
MASS-LINK	15				
IMPLND	IWATER	SURO	0.083333	COPY	INPUT MEAN
END MASS-LINK	15				
MASS-LINK	17				
RCHRES	OFLOW	OVOL	1	COPY	INPUT MEAN
END MASS-LINK	17				
MASS-LINK	18				
RCHRES	OFLOW	OVOL	2	COPY	INPUT MEAN
END MASS-LINK	18				
END MASS-LINK					
END RUN					

Disclaimer

Legal Notice

This program and accompanying documentation are provided 'as-is' without warranty of any kind. The entire risk regarding the performance and results of this program is assumed by End User. Clear Creek Solutions Inc. and the governmental licensee or sublicensees disclaim all warranties, either expressed or implied, including but not limited to implied warranties of program and accompanying documentation. In no event shall Clear Creek Solutions Inc. be liable for any damages whatsoever (including without limitation to damages for loss of business profits, loss of business information, business interruption, and the like) arising out of the use of, or inability to use this program even if Clear Creek Solutions Inc. or their authorized representatives have been advised of the possibility of such damages. Software Copyright © by : Clear Creek Solutions, Inc. 2005-2016; All Rights Reserved.

Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

SDHM 3.0

PROJECT REPORT

General Model Information

Project Name: CBC-Basin 4
Site Name: CBC
Site Address: 16919 Four Gee Rd
City: San Diego
Report Date: 10/26/2016
Gage: POWAY
Data Start: 10/01/1963
Data End: 09/30/2004
Timestep: Hourly
Precip Scale: 1.000
Version Date: 2016/08/31

POC Thresholds

Low Flow Threshold for POC4:	10 Percent of the 2 Year
High Flow Threshold for POC4:	10 Year

Landuse Basin Data

Predeveloped Land Use

Basin 4- Node D

Bypass: No

GroundWater: No

Pervious Land Use acre
D,Grass,MOD(5-10%) 1.45

Pervious Total 1.45

Impervious Land Use acre

Impervious Total 0

Basin Total 1.45

Element Flows To:
Surface Interflow Groundwater

Mitigated Land Use

Basin 216 - Node D

Bypass:	No
GroundWater:	No
Pervious Land Use D,Gravel,Flat(0-5)	acre 0.03
Pervious Total	0.03
Impervious Land Use IMPERVIOUS-FLAT	acre 0.03
Impervious Total	0.03
Basin Total	0.06

Element Flows To:		
Surface	Interflow	Groundwater
1MP 216 Surface16		

Basin 217 - Node D

Bypass: No

GroundWater: No

Pervious Land Use	acre
D,Urban,FLAT(0-5%)	0.005
D,Gravel,Flat(0-5)	0.037

Pervious Total 0.042

Impervious Land Use	acre
IMPERVIOUS-FLAT	0.015

Impervious Total 0.015

Basin Total 0.057

Element Flows To:		
Surface	Interflow	Groundwater
IMP 217 Surface17		

Basin 218 - Node D

Bypass:	No
GroundWater:	No
Pervious Land Use	acre
D,Gravel,Flat(0-5)	0.04
Pervious Total	0.04
Impervious Land Use	acre
Impervious Total	0
Basin Total	0.04

Element Flows To:		
Surface	Interflow	Groundwater
IMP 218 Surface18		

Basin 219 - Node D

Bypass: No

GroundWater: No

Pervious Land Use acre
D,Urban,FLAT(0-5%) 0.09

Pervious Total 0.09

Impervious Land Use acre
IMPERVIOUS-FLAT 0.21

Impervious Total 0.21

Basin Total 0.3

Element Flows To:		
Surface	Interflow	Groundwater
IMP 219 Surface19		

Basin 220- Node D

Bypass: No

GroundWater: No

Pervious Land Use acre
D,Gravel,Flat(0-5) 0.05

Pervious Total 0.05

Impervious Land Use acre
IMPERVIOUS-FLAT 0.02

Impervious Total 0.02

Basin Total 0.07

Element Flows To:		
Surface	Interflow	Groundwater
IMP 220 Surface20		

Basin 172

Bypass: Yes

GroundWater: No

Pervious Land Use acre
D,Urban,MOD(5-10%) 0.16

Pervious Total 0.16

Impervious Land Use acre

Impervious Total 0

Basin Total 0.16

Element Flows To:
Surface

Interflow

Groundwater

Routing Elements

Predeveloped Routing

Mitigated Routing

Porous Pavement 216

Pavement Area: 0.1874 acre. Pavement Length: 97.20 ft.
Pavement Width: 84.00 ft.
Pavement slope 1:0.02 To 1
Pavement thickness: 0.5
Pour Space of Pavement: 0.1
Material thickness of second layer: 2
Pour Space of material for second layer: 0.4
Material thickness of third layer: 0
Pour Space of material for third layer: 0
Infiltration On
Infiltration rate: 0.02
Infiltration safety factor: 0.5
Wetted surface area On
Total Volume Infiltrated (ac-ft.): 4.44
Total Volume Through Riser (ac-ft.): 0.032
Total Volume Through Facility (ac-ft.): 4.472
Percent Infiltrated: 99.28
Total Precip Applied to Facility: 0
Total Evap From Facility: 1.502
Element Flows To:
Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.187	0.000	0.000	0.000
0.0178	0.187	0.001	0.000	0.001
0.0356	0.187	0.002	0.000	0.001
0.0533	0.187	0.004	0.000	0.001
0.0711	0.187	0.005	0.000	0.001
0.0889	0.187	0.006	0.000	0.001
0.1067	0.187	0.008	0.000	0.001
0.1244	0.187	0.009	0.000	0.001
0.1422	0.187	0.010	0.000	0.001
0.1600	0.187	0.012	0.000	0.001
0.1778	0.187	0.013	0.000	0.001
0.1956	0.187	0.014	0.000	0.001
0.2133	0.187	0.016	0.000	0.001
0.2311	0.188	0.017	0.000	0.001
0.2489	0.188	0.018	0.000	0.001
0.2667	0.188	0.020	0.000	0.001
0.2844	0.188	0.021	0.000	0.001
0.3022	0.188	0.022	0.000	0.001
0.3200	0.188	0.024	0.000	0.001
0.3378	0.188	0.025	0.000	0.001
0.3556	0.188	0.026	0.000	0.001
0.3733	0.188	0.028	0.000	0.001
0.3911	0.188	0.029	0.000	0.001
0.4089	0.188	0.030	0.000	0.001
0.4267	0.188	0.032	0.000	0.001
0.4444	0.188	0.033	0.000	0.001
0.4622	0.188	0.034	0.000	0.001
0.4800	0.188	0.036	0.000	0.001

0.4978	0.188	0.037	0.000	0.001
0.5156	0.188	0.038	0.000	0.001
0.5333	0.188	0.040	0.000	0.001
0.5511	0.188	0.041	0.000	0.001
0.5689	0.188	0.042	0.000	0.001
0.5867	0.188	0.044	0.000	0.001
0.6044	0.188	0.045	0.000	0.001
0.6222	0.188	0.046	0.000	0.001
0.6400	0.188	0.048	0.000	0.001
0.6578	0.189	0.049	0.000	0.001
0.6756	0.189	0.050	0.000	0.001
0.6933	0.189	0.052	0.000	0.001
0.7111	0.189	0.053	0.000	0.001
0.7289	0.189	0.054	0.000	0.001
0.7467	0.189	0.056	0.000	0.001
0.7644	0.189	0.057	0.000	0.001
0.7822	0.189	0.058	0.000	0.001
0.8000	0.189	0.060	0.000	0.001
0.8178	0.189	0.061	0.000	0.001
0.8356	0.189	0.063	0.000	0.001
0.8533	0.189	0.064	0.000	0.001
0.8711	0.189	0.065	0.000	0.001
0.8889	0.189	0.067	0.000	0.001
0.9067	0.189	0.068	0.000	0.001
0.9244	0.189	0.069	0.000	0.001
0.9422	0.189	0.071	0.000	0.001
0.9600	0.189	0.072	0.000	0.001
0.9778	0.189	0.073	0.000	0.001
0.9956	0.189	0.075	0.000	0.001
1.0133	0.189	0.076	0.112	0.001
1.0311	0.189	0.077	0.172	0.001
1.0489	0.189	0.079	0.216	0.001
1.0667	0.189	0.080	0.252	0.001
1.0844	0.189	0.081	0.283	0.001
1.1022	0.190	0.083	0.312	0.001
1.1200	0.190	0.084	0.338	0.001
1.1378	0.190	0.085	0.362	0.001
1.1556	0.190	0.087	0.385	0.001
1.1733	0.190	0.088	0.406	0.001
1.1911	0.190	0.090	0.427	0.001
1.2089	0.190	0.091	0.446	0.001
1.2267	0.190	0.092	0.465	0.001
1.2444	0.190	0.094	0.483	0.001
1.2622	0.190	0.095	0.500	0.001
1.2800	0.190	0.096	0.516	0.001
1.2978	0.190	0.098	0.533	0.001
1.3156	0.190	0.099	0.548	0.001
1.3333	0.190	0.100	0.564	0.001
1.3511	0.190	0.102	0.578	0.001
1.3689	0.190	0.103	0.593	0.001
1.3867	0.190	0.104	0.607	0.001
1.4044	0.190	0.106	0.621	0.001
1.4222	0.190	0.107	0.634	0.001
1.4400	0.190	0.108	0.648	0.001
1.4578	0.190	0.110	0.661	0.001
1.4756	0.190	0.111	0.673	0.001
1.4933	0.190	0.113	0.686	0.001
1.5111	0.190	0.114	0.698	0.001

1.5289	0.191	0.115	0.710	0.001
1.5467	0.191	0.117	0.722	0.001
1.5644	0.191	0.118	0.734	0.001
1.5822	0.191	0.119	0.745	0.001
1.6000	0.191	0.121	0.756	0.001

DMA 170

Pavement Area:0.3113 acre.Pavement Length:339.00 ft.

Pavement Width: 40.00 ft.

Pavement slope 1:0.04 To 1

Pavement thickness: 0.5

Pour Space of Pavement: 0.1

Material thickness of second layer: 2

Pour Space of material for second layer: 0.4

Material thickness of third layer: 0

Pour Space of material for third layer: 0

Infiltration On

Infiltration rate: 0.02

Infiltration safety factor: 0.5

Wetted surface area On

Total Volume Infiltrated (ac-ft.): 7.369

Total Volume Through Riser (ac-ft.): 0.13

Total Volume Through Facility (ac-ft.): 7.499

Percent Infiltrated: 98.27

Total Precip Applied to Facility: 0

Total Evap From Facility: 2.424

Element Flows To:

Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.311	0.000	0.000	0.000
0.0178	0.311	0.002	0.000	0.003
0.0356	0.311	0.004	0.000	0.003
0.0533	0.311	0.006	0.000	0.003
0.0711	0.311	0.008	0.000	0.003
0.0889	0.311	0.011	0.000	0.003
0.1067	0.312	0.013	0.000	0.003
0.1244	0.312	0.015	0.000	0.003
0.1422	0.312	0.017	0.000	0.003
0.1600	0.312	0.020	0.000	0.003
0.1778	0.312	0.022	0.000	0.003
0.1956	0.312	0.024	0.000	0.003
0.2133	0.312	0.026	0.000	0.003
0.2311	0.312	0.028	0.000	0.003
0.2489	0.312	0.031	0.000	0.003
0.2667	0.313	0.033	0.000	0.003
0.2844	0.313	0.035	0.000	0.003
0.3022	0.313	0.037	0.000	0.003
0.3200	0.313	0.040	0.000	0.003
0.3378	0.313	0.042	0.000	0.003
0.3556	0.313	0.044	0.000	0.003
0.3733	0.313	0.046	0.000	0.003
0.3911	0.313	0.048	0.000	0.003
0.4089	0.313	0.051	0.000	0.003
0.4267	0.314	0.053	0.000	0.003
0.4444	0.314	0.055	0.000	0.003
0.4622	0.314	0.057	0.000	0.003
0.4800	0.314	0.060	0.000	0.003
0.4978	0.314	0.062	0.000	0.003
0.5156	0.314	0.064	0.000	0.003

0.5333	0.314	0.066	0.000	0.003
0.5511	0.314	0.069	0.000	0.003
0.5689	0.314	0.071	0.000	0.003
0.5867	0.315	0.073	0.000	0.003
0.6044	0.315	0.075	0.000	0.003
0.6222	0.315	0.078	0.000	0.003
0.6400	0.315	0.080	0.000	0.003
0.6578	0.315	0.082	0.000	0.003
0.6756	0.315	0.084	0.000	0.003
0.6933	0.315	0.086	0.000	0.003
0.7111	0.315	0.089	0.000	0.003
0.7289	0.315	0.091	0.000	0.003
0.7467	0.316	0.093	0.000	0.003
0.7644	0.316	0.095	0.000	0.003
0.7822	0.316	0.098	0.000	0.003
0.8000	0.316	0.100	0.000	0.003
0.8178	0.316	0.102	0.000	0.003
0.8356	0.316	0.104	0.000	0.003
0.8533	0.316	0.107	0.000	0.003
0.8711	0.316	0.109	0.000	0.003
0.8889	0.316	0.111	0.000	0.003
0.9067	0.317	0.113	0.000	0.003
0.9244	0.317	0.116	0.000	0.003
0.9422	0.317	0.118	0.000	0.003
0.9600	0.317	0.120	0.000	0.003
0.9778	0.317	0.123	0.000	0.003
0.9956	0.317	0.125	0.000	0.003
1.0133	0.317	0.127	0.112	0.003
1.0311	0.317	0.129	0.172	0.003
1.0489	0.317	0.132	0.216	0.003
1.0667	0.318	0.134	0.252	0.003
1.0844	0.318	0.136	0.283	0.003
1.1022	0.318	0.138	0.312	0.003
1.1200	0.318	0.141	0.338	0.003
1.1378	0.318	0.143	0.362	0.003
1.1556	0.318	0.145	0.385	0.003
1.1733	0.318	0.147	0.406	0.003
1.1911	0.318	0.150	0.427	0.003
1.2089	0.318	0.152	0.446	0.003
1.2267	0.319	0.154	0.465	0.003
1.2444	0.319	0.156	0.483	0.003
1.2622	0.319	0.159	0.500	0.003
1.2800	0.319	0.161	0.516	0.003
1.2978	0.319	0.163	0.533	0.003
1.3156	0.319	0.166	0.548	0.003
1.3333	0.319	0.168	0.564	0.003
1.3511	0.319	0.170	0.578	0.003
1.3689	0.319	0.172	0.593	0.003
1.3867	0.320	0.175	0.607	0.003
1.4044	0.320	0.177	0.621	0.003
1.4222	0.320	0.179	0.634	0.003
1.4400	0.320	0.181	0.648	0.003
1.4578	0.320	0.184	0.661	0.003
1.4756	0.320	0.186	0.673	0.003
1.4933	0.320	0.188	0.686	0.003
1.5111	0.320	0.191	0.698	0.003
1.5289	0.320	0.193	0.710	0.003
1.5467	0.321	0.195	0.722	0.003

1.5644	0.321	0.197	0.734	0.003
1.5822	0.321	0.200	0.745	0.003
1.6000	0.321	0.202	0.756	0.003

Porous Pavers 220

Pavement Area: 0.1653 acre. Pavement Length: 225.00 ft.
 Pavement Width: 32.00 ft.
 Pavement slope 1:0 To 1
 Pavement thickness: 0.5
 Pour Space of Pavement: 0.1
 Material thickness of second layer: 2
 Pour Space of material for second layer: 0.4
 Material thickness of third layer: 0
 Pour Space of material for third layer: 0
 Infiltration On
 Infiltration rate: 0.02
 Infiltration safety factor: 0.5
 Wetted surface area On
 Total Volume Infiltrated (ac-ft.): 3.883
 Total Volume Through Riser (ac-ft.): 0.028
 Total Volume Through Facility (ac-ft.): 3.911
 Percent Infiltrated: 99.28
 Total Precip Applied to Facility: 0
 Total Evap From Facility: 1.359
 Element Flows To:
 Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.165	0.000	0.000	0.000
0.0222	0.165	0.001	0.000	0.001
0.0444	0.165	0.002	0.000	0.001
0.0667	0.165	0.004	0.000	0.001
0.0889	0.165	0.005	0.000	0.001
0.1111	0.165	0.007	0.000	0.001
0.1333	0.165	0.008	0.000	0.001
0.1556	0.165	0.010	0.000	0.001
0.1778	0.165	0.011	0.000	0.001
0.2000	0.165	0.013	0.000	0.001
0.2222	0.165	0.014	0.000	0.001
0.2444	0.165	0.016	0.000	0.001
0.2667	0.165	0.017	0.000	0.001
0.2889	0.165	0.019	0.000	0.001
0.3111	0.165	0.020	0.000	0.001
0.3333	0.165	0.022	0.000	0.001
0.3556	0.165	0.023	0.000	0.001
0.3778	0.165	0.025	0.000	0.001
0.4000	0.165	0.026	0.000	0.001
0.4222	0.165	0.027	0.000	0.001
0.4444	0.165	0.029	0.000	0.001
0.4667	0.165	0.030	0.000	0.001
0.4889	0.165	0.032	0.000	0.001
0.5111	0.165	0.033	0.000	0.001
0.5333	0.165	0.035	0.000	0.001
0.5556	0.165	0.036	0.000	0.001
0.5778	0.165	0.038	0.000	0.001
0.6000	0.165	0.039	0.000	0.001
0.6222	0.165	0.041	0.000	0.001
0.6444	0.165	0.042	0.000	0.001

0.6667	0.165	0.044	0.000	0.001
0.6889	0.165	0.045	0.000	0.001
0.7111	0.165	0.047	0.000	0.001
0.7333	0.165	0.048	0.000	0.001
0.7556	0.165	0.050	0.000	0.001
0.7778	0.165	0.051	0.000	0.001
0.8000	0.165	0.052	0.000	0.001
0.8222	0.165	0.054	0.000	0.001
0.8444	0.165	0.055	0.000	0.001
0.8667	0.165	0.057	0.000	0.001
0.8889	0.165	0.058	0.000	0.001
0.9111	0.165	0.060	0.000	0.001
0.9333	0.165	0.061	0.000	0.001
0.9556	0.165	0.063	0.000	0.001
0.9778	0.165	0.064	0.000	0.001
1.0000	0.165	0.066	0.000	0.001
1.0222	0.165	0.067	0.145	0.001
1.0444	0.165	0.069	0.206	0.001
1.0667	0.165	0.070	0.252	0.001
1.0889	0.165	0.072	0.291	0.001
1.1111	0.165	0.073	0.325	0.001
1.1333	0.165	0.074	0.356	0.001
1.1556	0.165	0.076	0.385	0.001
1.1778	0.165	0.077	0.411	0.001
1.2000	0.165	0.079	0.436	0.001
1.2222	0.165	0.080	0.460	0.001
1.2444	0.165	0.082	0.483	0.001
1.2667	0.165	0.083	0.504	0.001
1.2889	0.165	0.085	0.525	0.001
1.3111	0.165	0.086	0.544	0.001
1.3333	0.165	0.088	0.564	0.001
1.3556	0.165	0.089	0.582	0.001
1.3778	0.165	0.091	0.600	0.001
1.4000	0.165	0.092	0.617	0.001
1.4222	0.165	0.094	0.634	0.001
1.4444	0.165	0.095	0.651	0.001
1.4667	0.165	0.097	0.667	0.001
1.4889	0.165	0.098	0.683	0.001
1.5111	0.165	0.099	0.698	0.001
1.5333	0.165	0.101	0.713	0.001
1.5556	0.165	0.102	0.728	0.001
1.5778	0.165	0.104	0.742	0.001
1.6000	0.165	0.105	0.756	0.001
1.6222	0.165	0.107	0.770	0.001
1.6444	0.165	0.108	0.784	0.001
1.6667	0.165	0.110	0.797	0.001
1.6889	0.165	0.111	0.810	0.001
1.7111	0.165	0.113	0.823	0.001
1.7333	0.165	0.114	0.836	0.001
1.7556	0.165	0.116	0.849	0.001
1.7778	0.165	0.117	0.861	0.001
1.8000	0.165	0.119	0.873	0.001
1.8222	0.165	0.120	0.885	0.001
1.8444	0.165	0.121	0.897	0.001
1.8667	0.165	0.123	0.909	0.001
1.8889	0.165	0.124	0.921	0.001
1.9111	0.165	0.126	0.932	0.001
1.9333	0.165	0.127	0.943	0.001

1.9556	0.165	0.129	0.955	0.001
1.9778	0.165	0.130	0.966	0.001
2.0000	0.165	0.132	0.976	0.001

Porous Pavers 219

Pavement Area:0.0579 acre.Pavement Length:24.00 ft.
 Pavement Width: 105.00 ft.
 Pavement slope 1:0.01 To 1
 Pavement thickness: 0.5
 Pour Space of Pavement: 0.1
 Material thickness of second layer: 2
 Pour Space of material for second layer: 0.4
 Material thickness of third layer: 0
 Pour Space of material for third layer: 0
 Infiltration On
 Infiltration rate: 0.02
 Infiltration safety factor: 0.5
 Total Volume Infiltrated (ac-ft.): 1.359
 Total Volume Through Riser (ac-ft.): 0.01
 Total Volume Through Facility (ac-ft.): 1.37
 Percent Infiltrated: 99.2
 Total Precip Applied to Facility: 0
 Total Evap From Facility: 0.476
 Element Flows To:
 Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.057	0.000	0.000	0.000
0.0222	0.057	0.000	0.000	0.000
0.0444	0.057	0.001	0.000	0.000
0.0667	0.057	0.001	0.000	0.000
0.0889	0.057	0.002	0.000	0.000
0.1111	0.057	0.002	0.000	0.000
0.1333	0.057	0.003	0.000	0.000
0.1556	0.057	0.003	0.000	0.000
0.1778	0.057	0.004	0.000	0.000
0.2000	0.057	0.004	0.000	0.000
0.2222	0.057	0.005	0.000	0.000
0.2444	0.057	0.005	0.000	0.000
0.2667	0.057	0.006	0.000	0.000
0.2889	0.057	0.006	0.000	0.000
0.3111	0.057	0.007	0.000	0.000
0.3333	0.057	0.007	0.000	0.000
0.3556	0.057	0.008	0.000	0.000
0.3778	0.057	0.008	0.000	0.000
0.4000	0.057	0.009	0.000	0.000
0.4222	0.057	0.009	0.000	0.000
0.4444	0.057	0.010	0.000	0.000
0.4667	0.057	0.010	0.000	0.000
0.4889	0.057	0.011	0.000	0.000
0.5111	0.057	0.011	0.000	0.000
0.5333	0.057	0.012	0.000	0.000
0.5556	0.057	0.012	0.000	0.000
0.5778	0.057	0.013	0.000	0.000
0.6000	0.057	0.013	0.000	0.000
0.6222	0.057	0.014	0.000	0.000
0.6444	0.057	0.014	0.000	0.000
0.6667	0.057	0.015	0.000	0.000

0.6889	0.057	0.015	0.000	0.000
0.7111	0.057	0.016	0.000	0.000
0.7333	0.057	0.017	0.000	0.000
0.7556	0.057	0.017	0.000	0.000
0.7778	0.057	0.018	0.000	0.000
0.8000	0.057	0.018	0.000	0.000
0.8222	0.057	0.019	0.000	0.000
0.8444	0.057	0.019	0.000	0.000
0.8667	0.057	0.020	0.000	0.000
0.8889	0.057	0.020	0.000	0.000
0.9111	0.057	0.021	0.000	0.000
0.9333	0.057	0.021	0.000	0.000
0.9556	0.057	0.022	0.000	0.000
0.9778	0.057	0.022	0.000	0.000
1.0000	0.057	0.023	0.000	0.000
1.0222	0.057	0.023	0.145	0.000
1.0444	0.057	0.024	0.206	0.000
1.0667	0.057	0.024	0.252	0.000
1.0889	0.057	0.025	0.291	0.000
1.1111	0.057	0.025	0.325	0.000
1.1333	0.057	0.026	0.356	0.000
1.1556	0.057	0.026	0.385	0.000
1.1778	0.057	0.027	0.411	0.000
1.2000	0.057	0.027	0.436	0.000
1.2222	0.057	0.028	0.460	0.000
1.2444	0.057	0.028	0.483	0.000
1.2667	0.057	0.029	0.504	0.000
1.2889	0.057	0.029	0.525	0.000
1.3111	0.057	0.030	0.544	0.000
1.3333	0.057	0.030	0.564	0.000
1.3556	0.057	0.031	0.582	0.000
1.3778	0.057	0.031	0.600	0.000
1.4000	0.057	0.032	0.617	0.000
1.4222	0.057	0.032	0.634	0.000
1.4444	0.057	0.033	0.651	0.000
1.4667	0.057	0.034	0.667	0.000
1.4889	0.057	0.034	0.683	0.000
1.5111	0.057	0.035	0.698	0.000
1.5333	0.057	0.035	0.713	0.000
1.5556	0.057	0.036	0.728	0.000
1.5778	0.057	0.036	0.742	0.000
1.6000	0.057	0.037	0.756	0.000
1.6222	0.057	0.037	0.770	0.000
1.6444	0.057	0.038	0.784	0.000
1.6667	0.057	0.038	0.797	0.000
1.6889	0.057	0.039	0.810	0.000
1.7111	0.057	0.039	0.823	0.000
1.7333	0.057	0.040	0.836	0.000
1.7556	0.057	0.040	0.849	0.000
1.7778	0.057	0.041	0.861	0.000
1.8000	0.057	0.041	0.873	0.000
1.8222	0.057	0.042	0.885	0.000
1.8444	0.057	0.042	0.897	0.000
1.8667	0.057	0.043	0.909	0.000
1.8889	0.057	0.043	0.921	0.000
1.9111	0.057	0.044	0.932	0.000
1.9333	0.057	0.044	0.943	0.000
1.9556	0.057	0.045	0.955	0.000

1.9778	0.057	0.045	0.966	0.000
2.0000	0.057	0.046	0.976	0.000

Porous Pavers 218

Pavement Area:0.0716 acre.Pavement Length:130.00 ft.

Pavement Width: 24.00 ft.

Pavement slope 1:0 To 1

Pavement thickness: 0.5

Pour Space of Pavement: 0.1

Material thickness of second layer: 2

Pour Space of material for second layer: 0.4

Material thickness of third layer: 0

Pour Space of material for third layer: 0

Infiltration On

Infiltration rate: 0.02

Infiltration safety factor: 0.5

Wetted surface area On

Total Volume Infiltrated (ac-ft.): 1.681

Total Volume Through Riser (ac-ft.): 0.013

Total Volume Through Facility (ac-ft.): 1.694

Percent Infiltrated: 99.23

Total Precip Applied to Facility: 0

Total Evap From Facility: 0.589

Element Flows To:

Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.071	0.000	0.000	0.000
0.0222	0.071	0.000	0.000	0.000
0.0444	0.071	0.001	0.000	0.000
0.0667	0.071	0.001	0.000	0.000
0.0889	0.071	0.002	0.000	0.000
0.1111	0.071	0.003	0.000	0.000
0.1333	0.071	0.003	0.000	0.000
0.1556	0.071	0.004	0.000	0.000
0.1778	0.071	0.005	0.000	0.000
0.2000	0.071	0.005	0.000	0.000
0.2222	0.071	0.006	0.000	0.000
0.2444	0.071	0.007	0.000	0.000
0.2667	0.071	0.007	0.000	0.000
0.2889	0.071	0.008	0.000	0.000
0.3111	0.071	0.008	0.000	0.000
0.3333	0.071	0.009	0.000	0.000
0.3556	0.071	0.010	0.000	0.000
0.3778	0.071	0.010	0.000	0.000
0.4000	0.071	0.011	0.000	0.000
0.4222	0.071	0.012	0.000	0.000
0.4444	0.071	0.012	0.000	0.000
0.4667	0.071	0.013	0.000	0.000
0.4889	0.071	0.014	0.000	0.000
0.5111	0.071	0.014	0.000	0.000
0.5333	0.071	0.015	0.000	0.000
0.5556	0.071	0.015	0.000	0.000
0.5778	0.071	0.016	0.000	0.000
0.6000	0.071	0.017	0.000	0.000
0.6222	0.071	0.017	0.000	0.000
0.6444	0.071	0.018	0.000	0.000

0.6667	0.071	0.019	0.000	0.000
0.6889	0.071	0.019	0.000	0.000
0.7111	0.071	0.020	0.000	0.000
0.7333	0.071	0.021	0.000	0.000
0.7556	0.071	0.021	0.000	0.000
0.7778	0.071	0.022	0.000	0.000
0.8000	0.071	0.022	0.000	0.000
0.8222	0.071	0.023	0.000	0.000
0.8444	0.071	0.024	0.000	0.000
0.8667	0.071	0.024	0.000	0.000
0.8889	0.071	0.025	0.000	0.000
0.9111	0.071	0.026	0.000	0.000
0.9333	0.071	0.026	0.000	0.000
0.9556	0.071	0.027	0.000	0.000
0.9778	0.071	0.028	0.000	0.000
1.0000	0.071	0.028	0.000	0.000
1.0222	0.071	0.029	0.145	0.000
1.0444	0.071	0.029	0.206	0.000
1.0667	0.071	0.030	0.252	0.000
1.0889	0.071	0.031	0.291	0.000
1.1111	0.071	0.031	0.325	0.000
1.1333	0.071	0.032	0.356	0.000
1.1556	0.071	0.033	0.385	0.000
1.1778	0.071	0.033	0.411	0.000
1.2000	0.071	0.034	0.436	0.000
1.2222	0.071	0.035	0.460	0.000
1.2444	0.071	0.035	0.483	0.000
1.2667	0.071	0.036	0.504	0.000
1.2889	0.071	0.036	0.525	0.000
1.3111	0.071	0.037	0.544	0.000
1.3333	0.071	0.038	0.564	0.000
1.3556	0.071	0.038	0.582	0.000
1.3778	0.071	0.039	0.600	0.000
1.4000	0.071	0.040	0.617	0.000
1.4222	0.071	0.040	0.634	0.000
1.4444	0.071	0.041	0.651	0.000
1.4667	0.071	0.042	0.667	0.000
1.4889	0.071	0.042	0.683	0.000
1.5111	0.071	0.043	0.698	0.000
1.5333	0.071	0.043	0.713	0.000
1.5556	0.071	0.044	0.728	0.000
1.5778	0.071	0.045	0.742	0.000
1.6000	0.071	0.045	0.756	0.000
1.6222	0.071	0.046	0.770	0.000
1.6444	0.071	0.047	0.784	0.000
1.6667	0.071	0.047	0.797	0.000
1.6889	0.071	0.048	0.810	0.000
1.7111	0.071	0.049	0.823	0.000
1.7333	0.071	0.049	0.836	0.000
1.7556	0.071	0.050	0.849	0.000
1.7778	0.071	0.050	0.861	0.000
1.8000	0.071	0.051	0.873	0.000
1.8222	0.071	0.052	0.885	0.000
1.8444	0.071	0.052	0.897	0.000
1.8667	0.071	0.053	0.909	0.000
1.8889	0.071	0.054	0.921	0.000
1.9111	0.071	0.054	0.932	0.000
1.9333	0.071	0.055	0.943	0.000

1.9556	0.071	0.056	0.955	0.000
1.9778	0.071	0.056	0.966	0.000
2.0000	0.071	0.057	0.976	0.000

Porous Pavers 217

Pavement Area:0.0512 acre.Pavement Length:24.00 ft.
 Pavement Width: 93.00 ft.
 Pavement slope 1:0 To 1
 Pavement thickness: 0.5
 Pour Space of Pavement: 0.1
 Material thickness of second layer: 2
 Pour Space of material for second layer: 0.4
 Material thickness of third layer: 0
 Pour Space of material for third layer: 0
 Infiltration On
 Infiltration rate: 0.02
 Infiltration safety factor: 0.5
 Wetted surface area On
 Total Volume Infiltrated (ac-ft.): 1.203
 Total Volume Through Riser (ac-ft.): 0.009
 Total Volume Through Facility (ac-ft.): 1.212
 Percent Infiltrated: 99.26
 Total Precip Applied to Facility: 0
 Total Evap From Facility: 0.421
 Element Flows To:
 Outlet 1 Outlet 2

Porous Pavement Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infilt(cfs)
0.0000	0.051	0.000	0.000	0.000
0.0222	0.051	0.000	0.000	0.000
0.0444	0.051	0.000	0.000	0.000
0.0667	0.051	0.001	0.000	0.000
0.0889	0.051	0.001	0.000	0.000
0.1111	0.051	0.002	0.000	0.000
0.1333	0.051	0.002	0.000	0.000
0.1556	0.051	0.003	0.000	0.000
0.1778	0.051	0.003	0.000	0.000
0.2000	0.051	0.004	0.000	0.000
0.2222	0.051	0.004	0.000	0.000
0.2444	0.051	0.005	0.000	0.000
0.2667	0.051	0.005	0.000	0.000
0.2889	0.051	0.005	0.000	0.000
0.3111	0.051	0.006	0.000	0.000
0.3333	0.051	0.006	0.000	0.000
0.3556	0.051	0.007	0.000	0.000
0.3778	0.051	0.007	0.000	0.000
0.4000	0.051	0.008	0.000	0.000
0.4222	0.051	0.008	0.000	0.000
0.4444	0.051	0.009	0.000	0.000
0.4667	0.051	0.009	0.000	0.000
0.4889	0.051	0.010	0.000	0.000
0.5111	0.051	0.010	0.000	0.000
0.5333	0.051	0.010	0.000	0.000
0.5556	0.051	0.011	0.000	0.000
0.5778	0.051	0.011	0.000	0.000
0.6000	0.051	0.012	0.000	0.000
0.6222	0.051	0.012	0.000	0.000
0.6444	0.051	0.013	0.000	0.000

0.6667	0.051	0.013	0.000	0.000
0.6889	0.051	0.014	0.000	0.000
0.7111	0.051	0.014	0.000	0.000
0.7333	0.051	0.015	0.000	0.000
0.7556	0.051	0.015	0.000	0.000
0.7778	0.051	0.015	0.000	0.000
0.8000	0.051	0.016	0.000	0.000
0.8222	0.051	0.016	0.000	0.000
0.8444	0.051	0.017	0.000	0.000
0.8667	0.051	0.017	0.000	0.000
0.8889	0.051	0.018	0.000	0.000
0.9111	0.051	0.018	0.000	0.000
0.9333	0.051	0.019	0.000	0.000
0.9556	0.051	0.019	0.000	0.000
0.9778	0.051	0.020	0.000	0.000
1.0000	0.051	0.020	0.000	0.000
1.0222	0.051	0.021	0.145	0.000
1.0444	0.051	0.021	0.206	0.000
1.0667	0.051	0.021	0.252	0.000
1.0889	0.051	0.022	0.291	0.000
1.1111	0.051	0.022	0.325	0.000
1.1333	0.051	0.023	0.356	0.000
1.1556	0.051	0.023	0.385	0.000
1.1778	0.051	0.024	0.411	0.000
1.2000	0.051	0.024	0.436	0.000
1.2222	0.051	0.025	0.460	0.000
1.2444	0.051	0.025	0.483	0.000
1.2667	0.051	0.026	0.504	0.000
1.2889	0.051	0.026	0.525	0.000
1.3111	0.051	0.026	0.544	0.000
1.3333	0.051	0.027	0.564	0.000
1.3556	0.051	0.027	0.582	0.000
1.3778	0.051	0.028	0.600	0.000
1.4000	0.051	0.028	0.617	0.000
1.4222	0.051	0.029	0.634	0.000
1.4444	0.051	0.029	0.651	0.000
1.4667	0.051	0.030	0.667	0.000
1.4889	0.051	0.030	0.683	0.000
1.5111	0.051	0.031	0.698	0.000
1.5333	0.051	0.031	0.713	0.000
1.5556	0.051	0.031	0.728	0.000
1.5778	0.051	0.032	0.742	0.000
1.6000	0.051	0.032	0.756	0.000
1.6222	0.051	0.033	0.770	0.000
1.6444	0.051	0.033	0.784	0.000
1.6667	0.051	0.034	0.797	0.000
1.6889	0.051	0.034	0.810	0.000
1.7111	0.051	0.035	0.823	0.000
1.7333	0.051	0.035	0.836	0.000
1.7556	0.051	0.036	0.849	0.000
1.7778	0.051	0.036	0.861	0.000
1.8000	0.051	0.036	0.873	0.000
1.8222	0.051	0.037	0.885	0.000
1.8444	0.051	0.037	0.897	0.000
1.8667	0.051	0.038	0.909	0.000
1.8889	0.051	0.038	0.921	0.000
1.9111	0.051	0.039	0.932	0.000
1.9333	0.051	0.039	0.943	0.000

1.9556	0.051	0.040	0.955	0.000
1.9778	0.051	0.040	0.966	0.000
2.0000	0.051	0.041	0.976	0.000

IMP 220

Bottom Length:	44.75 ft.
Bottom Width:	20.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.75
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	0.892
Total Volume Through Riser (ac-ft.):	0.021
Total Volume Through Facility (ac-ft.):	0.951
Percent Infiltrated:	93.8
Total Precip Applied to Facility:	0.669
Total Evap From Facility:	0.501
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.15
Offset (in.):	9
Flow Through Underdrain (ac-ft.):	0.038
Total Outflow (ac-ft.):	0.951
Percent Through Underdrain:	4
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0205	0.0000	0.0000	0.0000
0.0522	0.0205	0.0011	0.0000	0.0000
0.1044	0.0205	0.0021	0.0000	0.0000
0.1566	0.0205	0.0032	0.0000	0.0000
0.2088	0.0205	0.0043	0.0004	0.0004
0.2610	0.0205	0.0054	0.0004	0.0004
0.3132	0.0205	0.0064	0.0004	0.0004
0.3654	0.0205	0.0075	0.0004	0.0004
0.4176	0.0205	0.0086	0.0004	0.0004
0.4698	0.0205	0.0097	0.0004	0.0004
0.5220	0.0205	0.0107	0.0004	0.0004
0.5742	0.0205	0.0118	0.0004	0.0004
0.6264	0.0205	0.0129	0.0004	0.0004
0.6786	0.0205	0.0139	0.0004	0.0004
0.7308	0.0205	0.0150	0.0004	0.0004
0.7830	0.0205	0.0161	0.0004	0.0004
0.8352	0.0205	0.0172	0.0004	0.0004
0.8874	0.0205	0.0182	0.0004	0.0004
0.9396	0.0205	0.0193	0.0004	0.0004
0.9918	0.0205	0.0204	0.0004	0.0004
1.0440	0.0205	0.0214	0.0004	0.0004
1.0962	0.0205	0.0225	0.0004	0.0004

1.1484	0.0205	0.0236	0.0004	0.0004
1.2005	0.0205	0.0247	0.0004	0.0004
1.2527	0.0205	0.0257	0.0004	0.0004
1.3049	0.0205	0.0268	0.0004	0.0004
1.3571	0.0205	0.0279	0.0004	0.0004
1.4093	0.0205	0.0290	0.0004	0.0004
1.4615	0.0205	0.0300	0.0004	0.0004
1.5137	0.0205	0.0311	0.0004	0.0004
1.5659	0.0205	0.0322	0.0004	0.0004
1.6181	0.0205	0.0332	0.0004	0.0004
1.6703	0.0205	0.0343	0.0004	0.0004
1.7225	0.0205	0.0354	0.0004	0.0004
1.7747	0.0205	0.0365	0.0004	0.0004
1.8269	0.0205	0.0375	0.0004	0.0004
1.8791	0.0205	0.0386	0.0004	0.0004
1.9313	0.0205	0.0397	0.0004	0.0004
1.9835	0.0205	0.0408	0.0004	0.0004
2.0357	0.0205	0.0418	0.0004	0.0004
2.0879	0.0205	0.0429	0.0004	0.0004
2.1401	0.0205	0.0440	0.0004	0.0004
2.1923	0.0205	0.0450	0.0004	0.0004
2.2445	0.0205	0.0461	0.0004	0.0004
2.2967	0.0205	0.0472	0.0004	0.0004
2.3489	0.0205	0.0483	0.0004	0.0004
2.4011	0.0205	0.0493	0.0004	0.0004
2.4533	0.0205	0.0504	0.0004	0.0004
2.5055	0.0205	0.0515	0.0004	0.0004
2.5577	0.0205	0.0526	0.0004	0.0004
2.6099	0.0205	0.0536	0.0004	0.0004
2.6621	0.0205	0.0547	0.0004	0.0004
2.7143	0.0205	0.0558	0.0004	0.0004
2.7665	0.0205	0.0568	0.0004	0.0004
2.8187	0.0205	0.0579	0.0004	0.0004
2.8709	0.0205	0.0590	0.0004	0.0004
2.9231	0.0205	0.0601	0.0004	0.0004
2.9753	0.0205	0.0611	0.0004	0.0004
3.0275	0.0205	0.0622	0.0004	0.0004
3.0797	0.0205	0.0633	0.0004	0.0004
3.1319	0.0205	0.0643	0.0004	0.0004
3.1841	0.0205	0.0654	0.0004	0.0004
3.2363	0.0205	0.0665	0.0004	0.0004
3.2885	0.0205	0.0676	0.0004	0.0004
3.3407	0.0205	0.0686	0.0004	0.0004
3.3929	0.0205	0.0697	0.0004	0.0004
3.4451	0.0205	0.0708	0.0004	0.0004
3.4973	0.0205	0.0719	0.0004	0.0004
3.5495	0.0205	0.0729	0.0004	0.0004
3.6016	0.0205	0.0740	0.0004	0.0004
3.6538	0.0205	0.0751	0.0004	0.0004
3.7060	0.0205	0.0761	0.0004	0.0004

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.7060	0.0205	0.0761	0.0000	0.0010	0.0000
3.7582	0.0205	0.0772	0.0000	0.0010	0.0000
3.8104	0.0205	0.0783	0.0000	0.0010	0.0000
3.8626	0.0205	0.0794	0.0000	0.0010	0.0000
3.9148	0.0205	0.0804	0.0000	0.0010	0.0000

3.9670	0.0205	0.0815	0.0000	0.0010	0.0000
4.0192	0.0205	0.0826	0.0000	0.0010	0.0000
4.0714	0.0205	0.0837	0.0000	0.0010	0.0000
4.1236	0.0205	0.0847	0.0000	0.0010	0.0000
4.1758	0.0205	0.0858	0.0000	0.0010	0.0000
4.2280	0.0205	0.0869	0.0000	0.0010	0.0000
4.2802	0.0205	0.0879	0.0000	0.0010	0.0000
4.3324	0.0205	0.0890	0.0000	0.0010	0.0000
4.3846	0.0205	0.0901	0.0000	0.0010	0.0000
4.4368	0.0205	0.0912	0.0000	0.0010	0.0000
4.4890	0.0205	0.0922	0.0000	0.0010	0.0000
4.5412	0.0205	0.0933	0.0000	0.0010	0.0000
4.5934	0.0205	0.0944	0.0000	0.0010	0.0000
4.6456	0.0205	0.0955	0.0000	0.0010	0.0000
4.6978	0.0205	0.0965	0.0000	0.0010	0.0000
4.7500	0.0205	0.0976	0.0000	0.0010	0.0000
4.8022	0.0205	0.0987	0.0000	0.0010	0.0000

IMP 220 Surface20

Element Flows To:

Outlet 1

Outlet 2
IMP 220

IMP 219

Bottom Length:	37.50 ft.
Bottom Width:	36.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.75
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	3.968
Total Volume Through Riser (ac-ft.):	0.412
Total Volume Through Facility (ac-ft.):	6.928
Percent Infiltrated:	57.27
Total Precip Applied to Facility:	0.985
Total Evap From Facility:	1.025
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.5
Offset (in.):	9
Flow Through Underdrain (ac-ft.):	2.548
Total Outflow (ac-ft.):	6.928
Percent Through Underdrain:	36.78
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0310	0.0000	0.0000	0.0000
0.0522	0.0310	0.0016	0.0000	0.0000
0.1044	0.0310	0.0032	0.0000	0.0000
0.1566	0.0310	0.0049	0.0000	0.0000
0.2088	0.0310	0.0065	0.0006	0.0006
0.2610	0.0310	0.0081	0.0006	0.0006
0.3132	0.0310	0.0097	0.0006	0.0006
0.3654	0.0310	0.0113	0.0006	0.0006
0.4176	0.0310	0.0129	0.0006	0.0006
0.4698	0.0310	0.0146	0.0006	0.0006
0.5220	0.0310	0.0162	0.0006	0.0006
0.5742	0.0310	0.0178	0.0006	0.0006
0.6264	0.0310	0.0194	0.0006	0.0006
0.6786	0.0310	0.0210	0.0006	0.0006
0.7308	0.0310	0.0226	0.0006	0.0006
0.7830	0.0310	0.0243	0.0006	0.0006
0.8352	0.0310	0.0259	0.0006	0.0006
0.8874	0.0310	0.0275	0.0006	0.0006
0.9396	0.0310	0.0291	0.0006	0.0006
0.9918	0.0310	0.0307	0.0006	0.0006
1.0440	0.0310	0.0324	0.0006	0.0006
1.0962	0.0310	0.0340	0.0006	0.0006

1.1484	0.0310	0.0356	0.0006	0.0006
1.2005	0.0310	0.0372	0.0006	0.0006
1.2527	0.0310	0.0388	0.0006	0.0006
1.3049	0.0310	0.0404	0.0006	0.0006
1.3571	0.0310	0.0421	0.0006	0.0006
1.4093	0.0310	0.0437	0.0006	0.0006
1.4615	0.0310	0.0453	0.0006	0.0006
1.5137	0.0310	0.0469	0.0006	0.0006
1.5659	0.0310	0.0485	0.0006	0.0006
1.6181	0.0310	0.0501	0.0006	0.0006
1.6703	0.0310	0.0518	0.0006	0.0006
1.7225	0.0310	0.0534	0.0006	0.0006
1.7747	0.0310	0.0550	0.0006	0.0006
1.8269	0.0310	0.0566	0.0006	0.0006
1.8791	0.0310	0.0582	0.0006	0.0006
1.9313	0.0310	0.0599	0.0006	0.0006
1.9835	0.0310	0.0615	0.0006	0.0006
2.0357	0.0310	0.0631	0.0006	0.0006
2.0879	0.0310	0.0647	0.0006	0.0006
2.1401	0.0310	0.0663	0.0006	0.0006
2.1923	0.0310	0.0679	0.0006	0.0006
2.2445	0.0310	0.0696	0.0006	0.0006
2.2967	0.0310	0.0712	0.0006	0.0006
2.3489	0.0310	0.0728	0.0006	0.0006
2.4011	0.0310	0.0744	0.0006	0.0006
2.4533	0.0310	0.0760	0.0006	0.0006
2.5055	0.0310	0.0776	0.0006	0.0006
2.5577	0.0310	0.0793	0.0006	0.0006
2.6099	0.0310	0.0809	0.0006	0.0006
2.6621	0.0310	0.0825	0.0006	0.0006
2.7143	0.0310	0.0841	0.0006	0.0006
2.7665	0.0310	0.0857	0.0006	0.0006
2.8187	0.0310	0.0874	0.0006	0.0006
2.8709	0.0310	0.0890	0.0006	0.0006
2.9231	0.0310	0.0906	0.0006	0.0006
2.9753	0.0310	0.0922	0.0006	0.0006
3.0275	0.0310	0.0938	0.0006	0.0006
3.0797	0.0310	0.0954	0.0006	0.0006
3.1319	0.0310	0.0971	0.0006	0.0006
3.1841	0.0310	0.0987	0.0006	0.0006
3.2363	0.0310	0.1003	0.0006	0.0006
3.2885	0.0310	0.1019	0.0006	0.0006
3.3407	0.0310	0.1035	0.0006	0.0006
3.3929	0.0310	0.1052	0.0006	0.0006
3.4451	0.0310	0.1068	0.0006	0.0006
3.4973	0.0310	0.1084	0.0006	0.0006
3.5495	0.0310	0.1100	0.0006	0.0006
3.6016	0.0310	0.1116	0.0006	0.0006
3.6538	0.0310	0.1132	0.0006	0.0006
3.7060	0.0310	0.1149	0.0006	0.0006

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.7060	0.0310	0.1149	0.0000	0.0077	0.0000
3.7582	0.0310	0.1165	0.0000	0.0077	0.0000
3.8104	0.0310	0.1181	0.0000	0.0077	0.0000
3.8626	0.0310	0.1197	0.0000	0.0077	0.0000
3.9148	0.0310	0.1213	0.0000	0.0077	0.0000

3.9670	0.0310	0.1229	0.0000	0.0077	0.0000
4.0192	0.0310	0.1246	0.0000	0.0077	0.0000
4.0714	0.0310	0.1262	0.0000	0.0077	0.0000
4.1236	0.0310	0.1278	0.0000	0.0077	0.0000
4.1758	0.0310	0.1294	0.0000	0.0077	0.0000
4.2280	0.0310	0.1310	0.0000	0.0077	0.0000
4.2802	0.0310	0.1327	0.0000	0.0077	0.0000
4.3324	0.0310	0.1343	0.0000	0.0077	0.0000
4.3846	0.0310	0.1359	0.0000	0.0077	0.0000
4.4368	0.0310	0.1375	0.0000	0.0077	0.0000
4.4890	0.0310	0.1391	0.0000	0.0077	0.0000
4.5412	0.0310	0.1407	0.0000	0.0077	0.0000
4.5934	0.0310	0.1424	0.0000	0.0077	0.0000
4.6456	0.0310	0.1440	0.0000	0.0077	0.0000
4.6978	0.0310	0.1456	0.0000	0.0077	0.0000
4.7500	0.0310	0.1472	0.0000	0.0077	0.0000
4.8022	0.0310	0.1488	0.0000	0.0077	0.0000

IMP 219 Surface19

Element Flows To:

Outlet 1

Outlet 2

IMP 219

1MP 216

Bottom Length: 45.70 ft.
 Bottom Width: 18.00 ft.
 Material thickness of first layer: 2
 Material type for first layer: Amended 5 in/hr
 Material thickness of second layer: 1.75
 Material type for second layer: GRAVEL
 Material thickness of third layer: 0
 Material type for third layer: GRAVEL
 Infiltration On
 Infiltration rate: 0.02
 Infiltration safety factor: 1
 Total Volume Infiltrated (ac-ft.): 1.068
 Total Volume Through Riser (ac-ft.): 0.028
 Total Volume Through Facility (ac-ft.): 1.159
 Percent Infiltrated: 92.15
 Total Precip Applied to Facility: 0.617
 Total Evap From Facility: 0.502
 Underdrain used
 Underdrain Diameter (feet): 0.5
 Orifice Diameter (in.): 0.15
 Offset (in.): 9
 Flow Through Underdrain (ac-ft.): 0.063
 Total Outflow (ac-ft.): 1.159
 Percent Through Underdrain: 5.44
 Discharge Structure
 Riser Height: 0.83 ft.
 Riser Diameter: 8 in.
 Element Flows To:
 Outlet 1 Outlet 2

In Ground Infil Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infil(cfs)
0.0000	0.0189	0.0000	0.0000	0.0000
0.0522	0.0189	0.0010	0.0000	0.0000
0.1044	0.0189	0.0020	0.0000	0.0000
0.1566	0.0189	0.0030	0.0000	0.0000
0.2088	0.0189	0.0039	0.0004	0.0004
0.2610	0.0189	0.0049	0.0004	0.0004
0.3132	0.0189	0.0059	0.0004	0.0004
0.3654	0.0189	0.0069	0.0004	0.0004
0.4176	0.0189	0.0079	0.0004	0.0004
0.4698	0.0189	0.0089	0.0004	0.0004
0.5220	0.0189	0.0099	0.0004	0.0004
0.5742	0.0189	0.0108	0.0004	0.0004
0.6264	0.0189	0.0118	0.0004	0.0004
0.6786	0.0189	0.0128	0.0004	0.0004
0.7308	0.0189	0.0138	0.0004	0.0004
0.7830	0.0189	0.0148	0.0004	0.0004
0.8352	0.0189	0.0158	0.0004	0.0004
0.8874	0.0189	0.0168	0.0004	0.0004
0.9396	0.0189	0.0177	0.0004	0.0004
0.9918	0.0189	0.0187	0.0004	0.0004
1.0440	0.0189	0.0197	0.0004	0.0004
1.0962	0.0189	0.0207	0.0004	0.0004

1.1484	0.0189	0.0217	0.0004	0.0004
1.2005	0.0189	0.0227	0.0004	0.0004
1.2527	0.0189	0.0237	0.0004	0.0004
1.3049	0.0189	0.0246	0.0004	0.0004
1.3571	0.0189	0.0256	0.0004	0.0004
1.4093	0.0189	0.0266	0.0004	0.0004
1.4615	0.0189	0.0276	0.0004	0.0004
1.5137	0.0189	0.0286	0.0004	0.0004
1.5659	0.0189	0.0296	0.0004	0.0004
1.6181	0.0189	0.0306	0.0004	0.0004
1.6703	0.0189	0.0315	0.0004	0.0004
1.7225	0.0189	0.0325	0.0004	0.0004
1.7747	0.0189	0.0335	0.0004	0.0004
1.8269	0.0189	0.0345	0.0004	0.0004
1.8791	0.0189	0.0355	0.0004	0.0004
1.9313	0.0189	0.0365	0.0004	0.0004
1.9835	0.0189	0.0375	0.0004	0.0004
2.0357	0.0189	0.0384	0.0004	0.0004
2.0879	0.0189	0.0394	0.0004	0.0004
2.1401	0.0189	0.0404	0.0004	0.0004
2.1923	0.0189	0.0414	0.0004	0.0004
2.2445	0.0189	0.0424	0.0004	0.0004
2.2967	0.0189	0.0434	0.0004	0.0004
2.3489	0.0189	0.0444	0.0004	0.0004
2.4011	0.0189	0.0453	0.0004	0.0004
2.4533	0.0189	0.0463	0.0004	0.0004
2.5055	0.0189	0.0473	0.0004	0.0004
2.5577	0.0189	0.0483	0.0004	0.0004
2.6099	0.0189	0.0493	0.0004	0.0004
2.6621	0.0189	0.0503	0.0004	0.0004
2.7143	0.0189	0.0513	0.0004	0.0004
2.7665	0.0189	0.0522	0.0004	0.0004
2.8187	0.0189	0.0532	0.0004	0.0004
2.8709	0.0189	0.0542	0.0004	0.0004
2.9231	0.0189	0.0552	0.0004	0.0004
2.9753	0.0189	0.0562	0.0004	0.0004
3.0275	0.0189	0.0572	0.0004	0.0004
3.0797	0.0189	0.0582	0.0004	0.0004
3.1319	0.0189	0.0591	0.0004	0.0004
3.1841	0.0189	0.0601	0.0004	0.0004
3.2363	0.0189	0.0611	0.0004	0.0004
3.2885	0.0189	0.0621	0.0004	0.0004
3.3407	0.0189	0.0631	0.0004	0.0004
3.3929	0.0189	0.0641	0.0004	0.0004
3.4451	0.0189	0.0651	0.0004	0.0004
3.4973	0.0189	0.0660	0.0004	0.0004
3.5495	0.0189	0.0670	0.0004	0.0004
3.6016	0.0189	0.0680	0.0004	0.0004
3.6538	0.0189	0.0690	0.0004	0.0004
3.7060	0.0189	0.0700	0.0004	0.0004

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.7060	0.0189	0.0700	0.0000	0.0010	0.0000
3.7582	0.0189	0.0710	0.0000	0.0010	0.0000
3.8104	0.0189	0.0720	0.0000	0.0010	0.0000
3.8626	0.0189	0.0729	0.0000	0.0010	0.0000
3.9148	0.0189	0.0739	0.0000	0.0010	0.0000

3.9670	0.0189	0.0749	0.0000	0.0010	0.0000
4.0192	0.0189	0.0759	0.0000	0.0010	0.0000
4.0714	0.0189	0.0769	0.0000	0.0010	0.0000
4.1236	0.0189	0.0779	0.0000	0.0010	0.0000
4.1758	0.0189	0.0789	0.0000	0.0010	0.0000
4.2280	0.0189	0.0798	0.0000	0.0010	0.0000
4.2802	0.0189	0.0808	0.0000	0.0010	0.0000
4.3324	0.0189	0.0818	0.0000	0.0010	0.0000
4.3846	0.0189	0.0828	0.0000	0.0010	0.0000
4.4368	0.0189	0.0838	0.0000	0.0010	0.0000
4.4890	0.0189	0.0848	0.0000	0.0010	0.0000
4.5412	0.0189	0.0858	0.0000	0.0010	0.0000
4.5934	0.0189	0.0867	0.0000	0.0010	0.0000
4.6456	0.0189	0.0877	0.0000	0.0010	0.0000
4.6978	0.0189	0.0887	0.0000	0.0010	0.0000
4.7500	0.0189	0.0897	0.0000	0.0010	0.0000
4.8022	0.0189	0.0907	0.0000	0.0010	0.0000

1MP 216 Surface16

Element Flows To:

Outlet 1

Outlet 2

1MP 216

IMP 218

Bottom Length:	30.50 ft.
Bottom Width:	18.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.75
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	0.269
Total Volume Through Riser (ac-ft.):	0.006
Total Volume Through Facility (ac-ft.):	0.277
Percent Infiltrated:	97.11
Total Precip Applied to Facility:	0.366
Total Evap From Facility:	0.205
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.1
Offset (in.):	9
Flow Through Underdrain (ac-ft.):	0.002
Total Outflow (ac-ft.):	0.277
Percent Through Underdrain:	0.72
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0126	0.0000	0.0000	0.0000
0.0522	0.0126	0.0007	0.0000	0.0000
0.1044	0.0126	0.0013	0.0000	0.0000
0.1566	0.0126	0.0020	0.0000	0.0000
0.2088	0.0126	0.0026	0.0003	0.0003
0.2610	0.0126	0.0033	0.0003	0.0003
0.3132	0.0126	0.0039	0.0003	0.0003
0.3654	0.0126	0.0046	0.0003	0.0003
0.4176	0.0126	0.0053	0.0003	0.0003
0.4698	0.0126	0.0059	0.0003	0.0003
0.5220	0.0126	0.0066	0.0003	0.0003
0.5742	0.0126	0.0072	0.0003	0.0003
0.6264	0.0126	0.0079	0.0003	0.0003
0.6786	0.0126	0.0086	0.0003	0.0003
0.7308	0.0126	0.0092	0.0003	0.0003
0.7830	0.0126	0.0099	0.0003	0.0003
0.8352	0.0126	0.0105	0.0003	0.0003
0.8874	0.0126	0.0112	0.0003	0.0003
0.9396	0.0126	0.0118	0.0003	0.0003
0.9918	0.0126	0.0125	0.0003	0.0003
1.0440	0.0126	0.0132	0.0003	0.0003
1.0962	0.0126	0.0138	0.0003	0.0003

1.1484	0.0126	0.0145	0.0003	0.0003
1.2005	0.0126	0.0151	0.0003	0.0003
1.2527	0.0126	0.0158	0.0003	0.0003
1.3049	0.0126	0.0164	0.0003	0.0003
1.3571	0.0126	0.0171	0.0003	0.0003
1.4093	0.0126	0.0178	0.0003	0.0003
1.4615	0.0126	0.0184	0.0003	0.0003
1.5137	0.0126	0.0191	0.0003	0.0003
1.5659	0.0126	0.0197	0.0003	0.0003
1.6181	0.0126	0.0204	0.0003	0.0003
1.6703	0.0126	0.0211	0.0003	0.0003
1.7225	0.0126	0.0217	0.0003	0.0003
1.7747	0.0126	0.0224	0.0003	0.0003
1.8269	0.0126	0.0230	0.0003	0.0003
1.8791	0.0126	0.0237	0.0003	0.0003
1.9313	0.0126	0.0243	0.0003	0.0003
1.9835	0.0126	0.0250	0.0003	0.0003
2.0357	0.0126	0.0257	0.0003	0.0003
2.0879	0.0126	0.0263	0.0003	0.0003
2.1401	0.0126	0.0270	0.0003	0.0003
2.1923	0.0126	0.0276	0.0003	0.0003
2.2445	0.0126	0.0283	0.0003	0.0003
2.2967	0.0126	0.0289	0.0003	0.0003
2.3489	0.0126	0.0296	0.0003	0.0003
2.4011	0.0126	0.0303	0.0003	0.0003
2.4533	0.0126	0.0309	0.0003	0.0003
2.5055	0.0126	0.0316	0.0003	0.0003
2.5577	0.0126	0.0322	0.0003	0.0003
2.6099	0.0126	0.0329	0.0003	0.0003
2.6621	0.0126	0.0336	0.0003	0.0003
2.7143	0.0126	0.0342	0.0003	0.0003
2.7665	0.0126	0.0349	0.0003	0.0003
2.8187	0.0126	0.0355	0.0003	0.0003
2.8709	0.0126	0.0362	0.0003	0.0003
2.9231	0.0126	0.0368	0.0003	0.0003
2.9753	0.0126	0.0375	0.0003	0.0003
3.0275	0.0126	0.0382	0.0003	0.0003
3.0797	0.0126	0.0388	0.0003	0.0003
3.1319	0.0126	0.0395	0.0003	0.0003
3.1841	0.0126	0.0401	0.0003	0.0003
3.2363	0.0126	0.0408	0.0003	0.0003
3.2885	0.0126	0.0414	0.0003	0.0003
3.3407	0.0126	0.0421	0.0003	0.0003
3.3929	0.0126	0.0428	0.0003	0.0003
3.4451	0.0126	0.0434	0.0003	0.0003
3.4973	0.0126	0.0441	0.0003	0.0003
3.5495	0.0126	0.0447	0.0003	0.0003
3.6016	0.0126	0.0454	0.0003	0.0003
3.6538	0.0126	0.0461	0.0003	0.0003
3.7060	0.0126	0.0467	0.0003	0.0003

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.7060	0.0126	0.0467	0.0000	0.0005	0.0000
3.7582	0.0126	0.0474	0.0000	0.0005	0.0000
3.8104	0.0126	0.0480	0.0000	0.0005	0.0000
3.8626	0.0126	0.0487	0.0000	0.0005	0.0000
3.9148	0.0126	0.0493	0.0000	0.0005	0.0000

3.9670	0.0126	0.0500	0.0000	0.0005	0.0000
4.0192	0.0126	0.0507	0.0000	0.0005	0.0000
4.0714	0.0126	0.0513	0.0000	0.0005	0.0000
4.1236	0.0126	0.0520	0.0000	0.0005	0.0000
4.1758	0.0126	0.0526	0.0000	0.0005	0.0000
4.2280	0.0126	0.0533	0.0000	0.0005	0.0000
4.2802	0.0126	0.0539	0.0000	0.0005	0.0000
4.3324	0.0126	0.0546	0.0000	0.0005	0.0000
4.3846	0.0126	0.0553	0.0000	0.0005	0.0000
4.4368	0.0126	0.0559	0.0000	0.0005	0.0000
4.4890	0.0126	0.0566	0.0000	0.0005	0.0000
4.5412	0.0126	0.0572	0.0000	0.0005	0.0000
4.5934	0.0126	0.0579	0.0000	0.0005	0.0000
4.6456	0.0126	0.0585	0.0000	0.0005	0.0000
4.6978	0.0126	0.0592	0.0000	0.0005	0.0000
4.7500	0.0126	0.0599	0.0000	0.0005	0.0000
4.8022	0.0126	0.0605	0.0000	0.0005	0.0000

IMP 218 Surface18

Element Flows To:

Outlet 1

Outlet 2

IMP 218

IMP 217

Bottom Length:	23.50 ft.
Bottom Width:	18.00 ft.
Material thickness of first layer:	2
Material type for first layer:	Amended 5 in/hr
Material thickness of second layer:	1.75
Material type for second layer:	GRAVEL
Material thickness of third layer:	0
Material type for third layer:	GRAVEL
Infiltration On	
Infiltration rate:	0.02
Infiltration safety factor:	1
Total Volume Infiltrated (ac-ft.):	0.549
Total Volume Through Riser (ac-ft.):	0.009
Total Volume Through Facility (ac-ft.):	0.666
Percent Infiltrated:	82.43
Total Precip Applied to Facility:	0.307
Total Evap From Facility:	0.242
Underdrain used	
Underdrain Diameter (feet):	0.5
Orifice Diameter (in.):	0.2
Offset (in.):	9
Flow Through Underdrain (ac-ft.):	0.108
Total Outflow (ac-ft.):	0.666
Percent Through Underdrain:	16.22
Discharge Structure	
Riser Height:	0.83 ft.
Riser Diameter:	8 in.
Element Flows To:	
Outlet 1	Outlet 2

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	Infiltr(cfs)
0.0000	0.0097	0.0000	0.0000	0.0000
0.0522	0.0097	0.0005	0.0000	0.0000
0.1044	0.0097	0.0010	0.0000	0.0000
0.1566	0.0097	0.0015	0.0000	0.0000
0.2088	0.0097	0.0020	0.0002	0.0002
0.2610	0.0097	0.0025	0.0002	0.0002
0.3132	0.0097	0.0030	0.0002	0.0002
0.3654	0.0097	0.0035	0.0002	0.0002
0.4176	0.0097	0.0041	0.0002	0.0002
0.4698	0.0097	0.0046	0.0002	0.0002
0.5220	0.0097	0.0051	0.0002	0.0002
0.5742	0.0097	0.0056	0.0002	0.0002
0.6264	0.0097	0.0061	0.0002	0.0002
0.6786	0.0097	0.0066	0.0002	0.0002
0.7308	0.0097	0.0071	0.0002	0.0002
0.7830	0.0097	0.0076	0.0002	0.0002
0.8352	0.0097	0.0081	0.0002	0.0002
0.8874	0.0097	0.0086	0.0002	0.0002
0.9396	0.0097	0.0091	0.0002	0.0002
0.9918	0.0097	0.0096	0.0002	0.0002
1.0440	0.0097	0.0101	0.0002	0.0002
1.0962	0.0097	0.0106	0.0002	0.0002

1.1484	0.0097	0.0112	0.0002	0.0002
1.2005	0.0097	0.0117	0.0002	0.0002
1.2527	0.0097	0.0122	0.0002	0.0002
1.3049	0.0097	0.0127	0.0002	0.0002
1.3571	0.0097	0.0132	0.0002	0.0002
1.4093	0.0097	0.0137	0.0002	0.0002
1.4615	0.0097	0.0142	0.0002	0.0002
1.5137	0.0097	0.0147	0.0002	0.0002
1.5659	0.0097	0.0152	0.0002	0.0002
1.6181	0.0097	0.0157	0.0002	0.0002
1.6703	0.0097	0.0162	0.0002	0.0002
1.7225	0.0097	0.0167	0.0002	0.0002
1.7747	0.0097	0.0172	0.0002	0.0002
1.8269	0.0097	0.0177	0.0002	0.0002
1.8791	0.0097	0.0182	0.0002	0.0002
1.9313	0.0097	0.0188	0.0002	0.0002
1.9835	0.0097	0.0193	0.0002	0.0002
2.0357	0.0097	0.0198	0.0002	0.0002
2.0879	0.0097	0.0203	0.0002	0.0002
2.1401	0.0097	0.0208	0.0002	0.0002
2.1923	0.0097	0.0213	0.0002	0.0002
2.2445	0.0097	0.0218	0.0002	0.0002
2.2967	0.0097	0.0223	0.0002	0.0002
2.3489	0.0097	0.0228	0.0002	0.0002
2.4011	0.0097	0.0233	0.0002	0.0002
2.4533	0.0097	0.0238	0.0002	0.0002
2.5055	0.0097	0.0243	0.0002	0.0002
2.5577	0.0097	0.0248	0.0002	0.0002
2.6099	0.0097	0.0253	0.0002	0.0002
2.6621	0.0097	0.0259	0.0002	0.0002
2.7143	0.0097	0.0264	0.0002	0.0002
2.7665	0.0097	0.0269	0.0002	0.0002
2.8187	0.0097	0.0274	0.0002	0.0002
2.8709	0.0097	0.0279	0.0002	0.0002
2.9231	0.0097	0.0284	0.0002	0.0002
2.9753	0.0097	0.0289	0.0002	0.0002
3.0275	0.0097	0.0294	0.0002	0.0002
3.0797	0.0097	0.0299	0.0002	0.0002
3.1319	0.0097	0.0304	0.0002	0.0002
3.1841	0.0097	0.0309	0.0002	0.0002
3.2363	0.0097	0.0314	0.0002	0.0002
3.2885	0.0097	0.0319	0.0002	0.0002
3.3407	0.0097	0.0324	0.0002	0.0002
3.3929	0.0097	0.0329	0.0002	0.0002
3.4451	0.0097	0.0335	0.0002	0.0002
3.4973	0.0097	0.0340	0.0002	0.0002
3.5495	0.0097	0.0345	0.0002	0.0002
3.6016	0.0097	0.0350	0.0002	0.0002
3.6538	0.0097	0.0355	0.0002	0.0002
3.7060	0.0097	0.0360	0.0002	0.0002

In Ground Infiltration Planter Box Hydraulic Table

Stage(feet)	Area(ac.)	Volume(ac-ft.)	Discharge(cfs)	To Amended(cfs)	Infiltr(cfs)
3.7060	0.0097	0.0360	0.0000	0.0013	0.0000
3.7582	0.0097	0.0365	0.0000	0.0013	0.0000
3.8104	0.0097	0.0370	0.0000	0.0013	0.0000
3.8626	0.0097	0.0375	0.0000	0.0013	0.0000
3.9148	0.0097	0.0380	0.0000	0.0013	0.0000

3.9670	0.0097	0.0385	0.0000	0.0013	0.0000
4.0192	0.0097	0.0390	0.0000	0.0013	0.0000
4.0714	0.0097	0.0395	0.0000	0.0013	0.0000
4.1236	0.0097	0.0400	0.0000	0.0013	0.0000
4.1758	0.0097	0.0406	0.0000	0.0013	0.0000
4.2280	0.0097	0.0411	0.0000	0.0013	0.0000
4.2802	0.0097	0.0416	0.0000	0.0013	0.0000
4.3324	0.0097	0.0421	0.0000	0.0013	0.0000
4.3846	0.0097	0.0426	0.0000	0.0013	0.0000
4.4368	0.0097	0.0431	0.0000	0.0013	0.0000
4.4890	0.0097	0.0436	0.0000	0.0013	0.0000
4.5412	0.0097	0.0441	0.0000	0.0013	0.0000
4.5934	0.0097	0.0446	0.0000	0.0013	0.0000
4.6456	0.0097	0.0451	0.0000	0.0013	0.0000
4.6978	0.0097	0.0456	0.0000	0.0013	0.0000
4.7500	0.0097	0.0461	0.0000	0.0013	0.0000
4.8022	0.0097	0.0466	0.0000	0.0013	0.0000

IMP 217 Surface17

Element Flows To:

Outlet 1

Outlet 2

IMP 217

Analysis Results

POC 1

POC #1 was not reported because POC must exist in both scenarios and both scenarios must have been run.

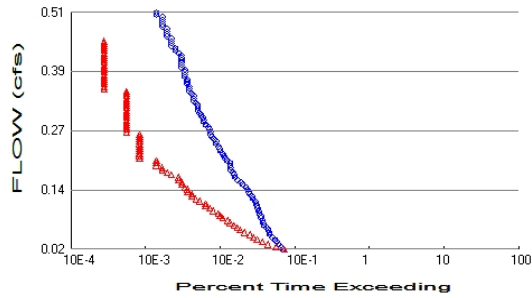
POC 2

POC #2 was not reported because POC must exist in both scenarios and both scenarios must have been run.

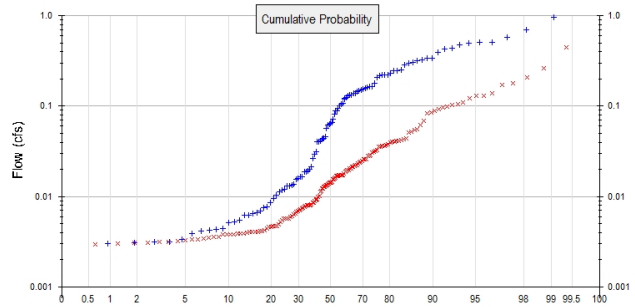
POC 3

POC #3 was not reported because POC must exist in both scenarios and both scenarios must have been run.

POC 4



+ Predeveloped x Mitigated



Predeveloped Landuse Totals for POC #4

Total Pervious Area: 1.45
Total Impervious Area: 0

Mitigated Landuse Totals for POC #4

Total Pervious Area: 0.412
Total Impervious Area: 1.119738

Flow Frequency Method: Weibull

Flow Frequency Return Periods for Predeveloped. POC #4

Return Period	Flow(cfs)
2 year	0.233245
5 year	0.429922
10 year	0.50863
25 year	0.694237

Flow Frequency Return Periods for Mitigated. POC #4

Return Period	Flow(cfs)
2 year	0.055286
5 year	0.124753
10 year	0.174182
25 year	0.256788

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
0.0233	250	259	103	Pass
0.0282	236	202	85	Pass
0.0331	218	157	72	Pass
0.0380	206	132	64	Pass
0.0429	195	112	57	Pass
0.0478	178	100	56	Pass
0.0527	167	90	53	Pass
0.0576	164	76	46	Pass
0.0625	158	66	41	Pass
0.0674	150	61	40	Pass
0.0723	138	55	39	Pass
0.0772	135	49	36	Pass
0.0821	133	45	33	Pass
0.0871	128	39	30	Pass
0.0920	126	36	28	Pass
0.0969	121	34	28	Pass
0.1018	119	29	24	Pass
0.1067	114	26	22	Pass
0.1116	112	23	20	Pass
0.1165	108	23	21	Pass
0.1214	106	19	17	Pass
0.1263	100	17	17	Pass
0.1312	96	15	15	Pass
0.1361	90	15	16	Pass
0.1410	86	13	15	Pass
0.1459	84	13	15	Pass
0.1508	80	12	15	Pass
0.1557	72	11	15	Pass
0.1606	68	11	16	Pass
0.1655	61	10	16	Pass
0.1704	57	10	17	Pass
0.1753	55	8	14	Pass
0.1802	53	7	13	Pass
0.1851	50	6	12	Pass
0.1900	50	6	12	Pass
0.1949	49	5	10	Pass
0.1998	49	5	10	Pass
0.2047	44	5	11	Pass
0.2096	42	3	7	Pass
0.2145	41	3	7	Pass
0.2194	39	3	7	Pass
0.2243	36	3	8	Pass
0.2292	35	3	8	Pass
0.2341	34	3	8	Pass
0.2390	32	3	9	Pass
0.2439	32	3	9	Pass
0.2488	30	3	10	Pass
0.2537	28	3	10	Pass
0.2586	27	3	11	Pass
0.2635	27	2	7	Pass
0.2684	26	2	7	Pass
0.2733	25	2	8	Pass
0.2782	23	2	8	Pass

0.2831	22	2	9	Pass
0.2880	22	2	9	Pass
0.2929	21	2	9	Pass
0.2978	20	2	10	Pass
0.3027	19	2	10	Pass
0.3076	18	2	11	Pass
0.3125	18	2	11	Pass
0.3174	18	2	11	Pass
0.3224	17	2	11	Pass
0.3273	16	2	12	Pass
0.3322	16	2	12	Pass
0.3371	16	2	12	Pass
0.3420	15	2	13	Pass
0.3469	14	2	14	Pass
0.3518	14	1	7	Pass
0.3567	14	1	7	Pass
0.3616	13	1	7	Pass
0.3665	13	1	7	Pass
0.3714	13	1	7	Pass
0.3763	12	1	8	Pass
0.3812	12	1	8	Pass
0.3861	12	1	8	Pass
0.3910	12	1	8	Pass
0.3959	11	1	9	Pass
0.4008	11	1	9	Pass
0.4057	11	1	9	Pass
0.4106	11	1	9	Pass
0.4155	11	1	9	Pass
0.4204	11	1	9	Pass
0.4253	10	1	10	Pass
0.4302	9	1	11	Pass
0.4351	9	1	11	Pass
0.4400	8	1	12	Pass
0.4449	8	1	12	Pass
0.4498	8	1	12	Pass
0.4547	8	0	0	Pass
0.4596	7	0	0	Pass
0.4645	7	0	0	Pass
0.4694	7	0	0	Pass
0.4743	7	0	0	Pass
0.4792	6	0	0	Pass
0.4841	6	0	0	Pass
0.4890	6	0	0	Pass
0.4939	6	0	0	Pass
0.4988	6	0	0	Pass
0.5037	5	0	0	Pass
0.5086	5	0	0	Pass

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

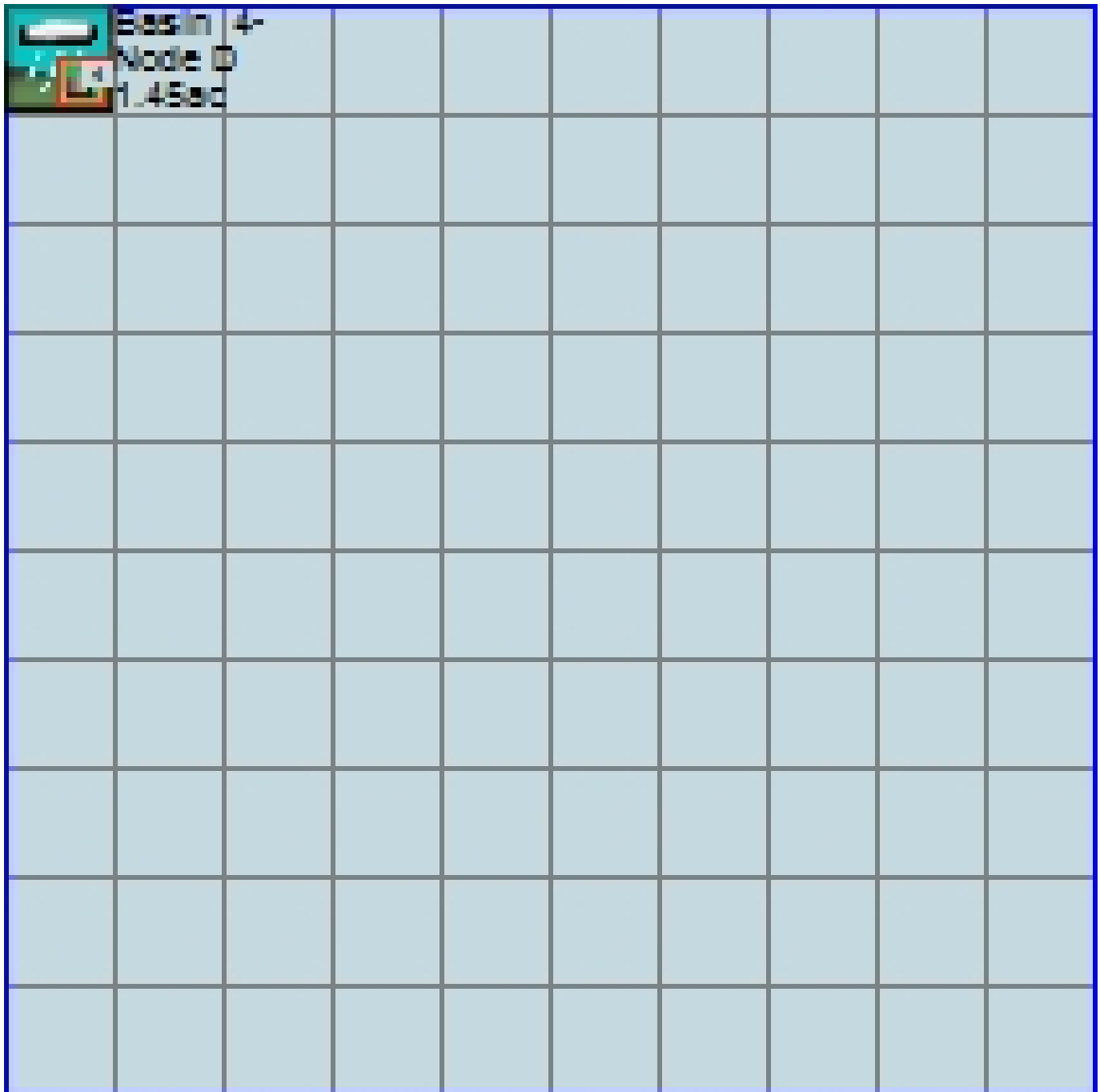
No PERLND changes have been made.

IMPLND Changes

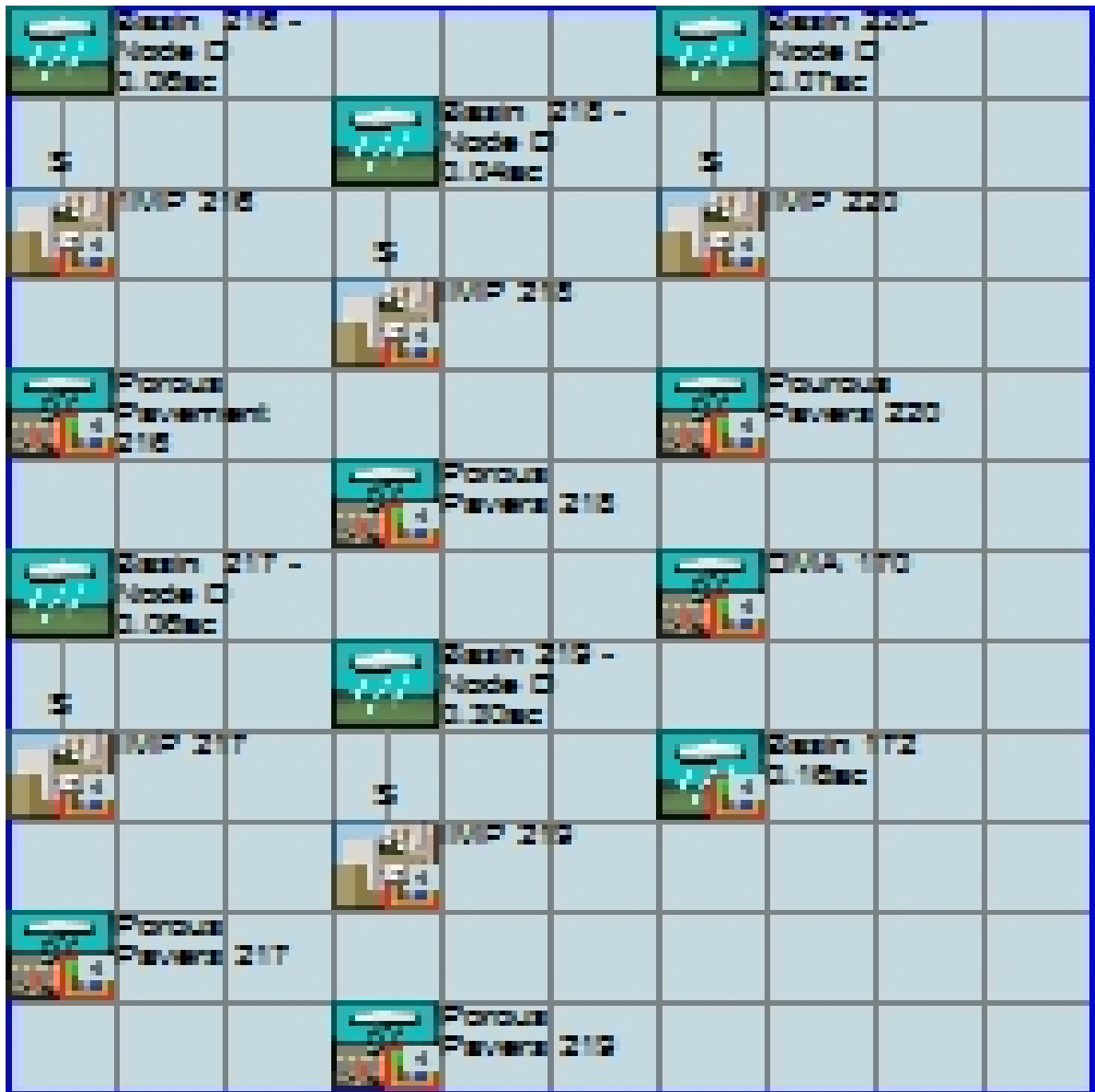
No IMPLND changes have been made.

Appendix

Predeveloped Schematic



Mitigated Schematic



Predeveloped UCI File

RUN

GLOBAL

```
WWM4 model simulation
START      1963 10 01      END      2004 09 30
RUN INTERP OUTPUT LEVEL    3      0
RESUME     0 RUN      1      UNIT SYSTEM      1
END GLOBAL
```

FILES

```
<File>  <Un#>  <-----File Name----->***
<-ID->                                     ***
WDM      26      CBC-Basin 4.wdm
MESSU    25      PreCBC-Basin 4.MES
          27      PreCBC-Basin 4.L61
          28      PreCBC-Basin 4.L62
          33      POCCBC-Basin 44.dat
```

END FILES

OPN SEQUENCE

```
INGRP                      INDELT 00:60
  PERLND      29
  COPY        504
  DISPLY      4
```

END INGRP

END OPN SEQUENCE

DISPLY

DISPLY-INF01

```
# - #<-----Title----->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
4      Basin 4- Node D      MAX      1      2      33      9
```

END DISPLY-INF01

END DISPLY

COPY

TIMESERIES

```
# - # NPT NMN ***
1      1      1
504    1      1
```

END TIMESERIES

END COPY

GENER

OPCODE

```
#      # OPCD ***
```

END OPCODE

PARM

```
#      #      K ***
```

END PARM

END GENER

PERLND

GEN-INFO

```
<PLS ><-----Name----->NBLKS      Unit-systems      Printer ***
# - #      User      t-series      Engl Metr ***
```

```
in out
```

```
29      D,Grass,MOD(5-10%)      1      1      1      1      27      0
```

END GEN-INFO

*** Section PWATER***

ACTIVITY

```
<PLS > ***** Active Sections *****
```

```
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC ***
```

```
29      0      0      1      0      0      0      0      0      0      0      0      0
```

END ACTIVITY

PRINT-INFO

```
<PLS > ***** Print-flags ***** PIVL PYR
```

```
# - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC *****
```

```
29      0      0      4      0      0      0      0      0      0      0      0      0      1      9
```

END PRINT-INFO

```

PWAT-PARM1
<PLS > PWATER variable monthly parameter value flags ***
# - # CSNO RTOP UZFG VCS VUZ VNN VIFW VIRC VLE INFC HWT ***
29 0 1 1 1 0 0 0 0 1 1 0
END PWAT-PARM1

PWAT-PARM2
<PLS > PWATER input info: Part 2 ***
# - # ***FOREST LZSN INFILT LSUR SLSUR KVARY AGWRC
29 0 4.5 0.03 200 0.1 3 0.92
END PWAT-PARM2

PWAT-PARM3
<PLS > PWATER input info: Part 3 ***
# - # ***PETMAX PETMIN INFEXP INFILD DEEPFR BASETP AGWETP
29 35 30 2 2 0.4 0.05 0.05
END PWAT-PARM3

PWAT-PARM4
<PLS > PWATER input info: Part 4 ***
# - # CEPSC UZSN NSUR INTFW IRC LZETP ***
29 0.08 0.6 0.2 1.5 0.7 0.5
END PWAT-PARM4

MON-LZETPARM
<PLS > PWATER input info: Part 3 ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
29 0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.4 0.4 0.4
END MON-LZETPARM

MON-INTERCEP
<PLS > PWATER input info: Part 3 ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
29 0.1 0.1 0.1 0.1 0.06 0.06 0.06 0.06 0.1 0.1 0.1
END MON-INTERCEP

PWAT-STATE1
<PLS > *** Initial conditions at start of simulation
ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
# - # *** CEPS SURS UZS IFWS LZS AGWS GWVS
29 0 0 0.15 0 4 0.05 0
END PWAT-STATE1

END PERLND

IMPLND
GEN-INFO
<PLS ><-----Name-----> Unit-systems Printer ***
# - # User t-series Engl Metr ***
in out ***

END GEN-INFO
*** Section IWATER***

ACTIVITY
<PLS > ***** Active Sections *****
# - # ATMP SNOW IWAT SLD IWG IQAL ***
END ACTIVITY

PRINT-INFO
<ILS > ***** Print-flags ***** PIVL PYR
# - # ATMP SNOW IWAT SLD IWG IQAL *****
END PRINT-INFO

IWAT-PARM1
<PLS > IWATER variable monthly parameter value flags ***
# - # CSNO RTOP VRS VNN RTLI ***
END IWAT-PARM1

IWAT-PARM2
<PLS > IWATER input info: Part 2 ***
# - # *** LSUR SLSUR NSUR RETSC
END IWAT-PARM2

```

```

IWAT-PARM3
  <PLS >          IWATER input info: Part 3          ***
  # - # ***PETMAX    PETMIN
END IWAT-PARM3

IWAT-STATE1
  <PLS > *** Initial conditions at start of simulation
  # - # *** RETS      SURS
END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->          <--Area-->      <-Target->      MBLK      ***
<Name> #            <-factor->      <Name> #      Tbl#      ***
Basin 4- Node D***
PERLND 29              1.45      COPY 504      12

*****Routing*****
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name> #      <Name> # #<-factor->strg <Name> # #      <Name> # #      ***
COPY 504 OUTPUT MEAN 1 1 12.1      DISPLY 4      INPUT TIMSER 1

<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name> #      <Name> # #<-factor->strg <Name> # #      <Name> # #      ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES      Name      Nexits      Unit Systems      Printer      ***
    # - #<-----><----> User T-series Engl Metr LKFG      ***
    in out
  END GEN-INFO
  *** Section RCHRES***

ACTIVITY
  <PLS > ***** Active Sections *****
  # - # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
END ACTIVITY

PRINT-INFO
  <PLS > ***** Print-flags ***** PIVL PYR
  # - # HYDR ADCA CONS HEAT SED GQL OXRX NUTR PLNK PHCB PIVL PYR *****
END PRINT-INFO

HYDR-PARM1
  RCHRES      Flags for each HYDR Section      ***
  # - # VC A1 A2 A3 ODFVFG for each *** ODGTFG for each FUNCT for each
  FG FG FG FG possible exit *** possible exit possible exit
  * * * * * * * * *
END HYDR-PARM1

HYDR-PARM2
  # - # FTABNO      LEN      DELTH      STCOR      KS      DB50      ***
<-----><-----><-----><-----><-----><----->
END HYDR-PARM2
HYDR-INIT
  RCHRES      Initial conditions for each HYDR section      ***
  # - # *** VOL      Initial value of COLIND      Initial value of OUTDGT
  *** ac-ft      for each possible exit      for each possible exit
  <-----><-----> <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS

```

END SPEC-ACTIONS
 FTABLES
 END FTABLES

EXT SOURCES

<-Volume->	<Member>	SsysSgap<--Mult-->Tran	<-Target	vols>	<-Grp>	<-Member->	***
<Name>	#	<Name> # tem strg<-factor->strg	<Name>	#	#	<Name> # #	***
WDM	2	PREC ENGL 1	PERLND	1	999	EXTNL PREC	
WDM	2	PREC ENGL 1	IMPLND	1	999	EXTNL PREC	
WDM	1	EVAP ENGL 1	PERLND	1	999	EXTNL PETINP	
WDM	1	EVAP ENGL 1	IMPLND	1	999	EXTNL PETINP	

END EXT SOURCES

EXT TARGETS

<-Volume->	<-Grp>	<-Member-><--Mult-->Tran	<-Volume->	<Member>	Tsys	Tgap	Amd	***
<Name>	#	<Name> # #<-factor->strg	<Name>	#	<Name>	tem	strg	strg***
COPY	504	OUTPUT MEAN 1 1 12.1	WDM	504	FLOW	ENGL	REPL	

END EXT TARGETS

MASS-LINK

<Volume>	<-Grp>	<-Member-><--Mult-->	<Target>	<-Grp>	<-Member->***
<Name>	#	<Name> # #<-factor->	<Name>	#	<Name> # #***
MASS-LINK	12				
PERLND	PWATER	SURO 0.083333	COPY	INPUT	MEAN

END MASS-LINK

END MASS-LINK

END RUN

Mitigated UCI File

RUN

GLOBAL

WWM4 model simulation
START 1963 10 01 END 2004 09 30
RUN INTERP OUTPUT LEVEL 3 0
RESUME 0 RUN 1 UNIT SYSTEM 1
END GLOBAL

FILES

<File>	<Un#>	<-----File Name----->	***
<-ID->			***
WDM	26	CBC-Basin 4.wdm	
MESSU	25	MitCBC-Basin 4.MES	
	27	MitCBC-Basin 4.L61	
	28	MitCBC-Basin 4.L62	
	33	POCCBC-Basin 44.dat	

END FILES

OPN SEQUENCE

INGRP INDELT 00:60

PERLND	34
IMPLND	1
IMPLND	4
RCHRES	1
PERLND	40
IMPLND	11
RCHRES	2
PERLND	41
IMPLND	12
RCHRES	3
IMPLND	14
RCHRES	4
IMPLND	15
RCHRES	5
IMPLND	16
RCHRES	6
RCHRES	7
RCHRES	8
RCHRES	9
RCHRES	10
RCHRES	11
RCHRES	12
RCHRES	13
RCHRES	14
RCHRES	15
RCHRES	16
COPY	4
COPY	504
COPY	604
DISPLY	4

END INGRP

END OPN SEQUENCE

DISPLY

DISPLY-INF01

#	-	#	<-----Title----->	***	TRAN	PIVL	DIG1	FIL1	PYR	DIG2	FIL2	YRND
4			Porous Pavement	216	MAX				1	2	33	9

END DISPLY-INF01

END DISPLY

COPY

TIMESERIES

#	-	#	NPT	NMN	***
1			1	1	
4			1	1	
504			1	1	
604			1	1	

END TIMESERIES

END COPY

```

GENER
  OPCODE
    # # OPCD ***
  END OPCODE
  PARM
    # # K ***
  END PARM
END GENER
PERLND

```

```

GEN-INFO
  <PLS ><-----Name----->NBLKS      Unit-systems      Printer ***
  # - #                               User      t-series      Engl Metr ***
                                     in      out
  34      D,Gravel,Flat(0-5)      1      1      1      1      27      0
  40      D,Urban,FLAT(0-5%)      1      1      1      1      27      0
  41      D,Urban,MOD(5-10%)      1      1      1      1      27      0
END GEN-INFO
*** Section PWATER***

```

```

ACTIVITY
  <PLS > ***** Active Sections *****
  # - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC ***
  34      0      0      1      0      0      0      0      0      0      0      0      0
  40      0      0      1      0      0      0      0      0      0      0      0      0
  41      0      0      1      0      0      0      0      0      0      0      0      0
END ACTIVITY

```

```

PRINT-INFO
  <PLS > ***** Print-flags ***** PIVL PYR
  # - # ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC *****
  34      0      0      4      0      0      0      0      0      0      0      0      1      9
  40      0      0      4      0      0      0      0      0      0      0      0      1      9
  41      0      0      4      0      0      0      0      0      0      0      0      1      9
END PRINT-INFO

```

```

PWAT-PARM1
  <PLS > PWATER variable monthly parameter value flags ***
  # - # CSNO RTOP UZFG VCS VUZ VNN VIFW VIRC VLE INFC HWT ***
  34      0      1      1      1      0      0      0      0      1      1      0
  40      0      1      1      1      0      0      0      0      1      1      0
  41      0      1      1      1      0      0      0      0      1      1      0
END PWAT-PARM1

```

```

PWAT-PARM2
  <PLS > PWATER input info: Part 2      ***
  # - # ***FOREST      LZSN      INFILT      LSUR      SLSUR      KVARY      AGWRC
  34      0      2.4      0.022      400      0.05      2      0.95
  40      0      4.8      0.04      200      0.05      3      0.92
  41      0      4.2      0.02      200      0.1      3      0.92
END PWAT-PARM2

```

```

PWAT-PARM3
  <PLS > PWATER input info: Part 3      ***
  # - # ***PETMAX      PETMIN      INFEXP      INFILD      DEEPFR      BASETP      AGWETP
  34      35      30      2      2      0.4      0.05      0.05
  40      35      30      2      2      0.4      0.05      0.05
  41      35      30      2      2      0.4      0.05      0.05
END PWAT-PARM3

```

```

PWAT-PARM4
  <PLS > PWATER input info: Part 4      ***
  # - # CEPSC      UZSN      NSUR      INTFW      IRC      LZETP ***
  34      0      1.6      0.35      0      0.7      0
  40      0.08      0.6      0.2      1.5      0.7      0.5
  41      0.08      0.6      0.2      1.5      0.7      0.5
END PWAT-PARM4

```

```

MON-LZETPARM
  <PLS > PWATER input info: Part 3      ***
  # - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
  34      0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.6 0.4 0.4 0.4
  40      0.4 0.4 0.4 0.4 0.6 0.6 0.6 0.6 0.6 0.4 0.4 0.4

```

```

41      0.4  0.4  0.4  0.4  0.6  0.6  0.6  0.6  0.6  0.4  0.4  0.4
END MON-LZETPARM
MON-INTERCEP
<PLS >      PWATER input info: Part 3      ***
# - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ***
34      0.1  0.1  0.1  0.1  0.06  0.06  0.06  0.06  0.06  0.1  0.1  0.1
40      0.1  0.1  0.1  0.1  0.06  0.06  0.06  0.06  0.06  0.1  0.1  0.1
41      0.1  0.1  0.1  0.1  0.06  0.06  0.06  0.06  0.06  0.1  0.1  0.1
END MON-INTERCEP

PWAT-STATE1
<PLS > *** Initial conditions at start of simulation
      ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
# - # *** CEPS      SURS      UZS      IFWS      LZS      AGWS      GWVS
34      0      0      0.01      0      0.5      0.3      0.01
40      0      0      0.15      0      4      0.05      0
41      0      0      0.15      0      4      0.05      0
END PWAT-STATE1

END PERLND

IMPLND
GEN-INFO
<PLS ><-----Name----->      Unit-systems      Printer ***
# - #      User      t-series      Engl Metr ***
      in      out
1      IMPERVIOUS-FLAT      1      1      1      27      0
4      Porous Pavement      1      1      1      27      0
11     Porous Pavement      1      1      1      27      0
12     Porous Pavement      1      1      1      27      0
14     Porous Pavement      1      1      1      27      0
15     Porous Pavement      1      1      1      27      0
16     Porous Pavement      1      1      1      27      0
END GEN-INFO
*** Section IWATER***

ACTIVITY
<PLS > ***** Active Sections *****
# - # ATMP SNOW IWAT SLD IWG IQAL      ***
1      0      0      1      0      0      0
4      0      0      1      0      0      0
11     0      0      1      0      0      0
12     0      0      1      0      0      0
14     0      0      1      0      0      0
15     0      0      1      0      0      0
16     0      0      1      0      0      0
END ACTIVITY

PRINT-INFO
<ILS > ***** Print-flags ***** PIVL PYR
# - # ATMP SNOW IWAT SLD IWG IQAL      *****
1      0      0      4      0      0      0      1      9
4      0      0      4      0      0      0      1      9
11     0      0      4      0      0      0      1      9
12     0      0      4      0      0      0      1      9
14     0      0      4      0      0      0      1      9
15     0      0      4      0      0      0      1      9
16     0      0      4      0      0      0      1      9
END PRINT-INFO

IWAT-PARM1
<PLS > IWATER variable monthly parameter value flags ***
# - # CSNO RTOP VRS VNN RTLI      ***
1      0      0      0      0      1
4      0      0      0      0      1
11     0      0      0      0      1
12     0      0      0      0      1
14     0      0      0      0      1
15     0      0      0      0      1
16     0      0      0      0      1

```

END IWAT-PARM1

IWAT-PARM2

```
<PLS >      IWATER input info: Part 2      ***
# - # ***  LSUR      SLSUR      NSUR      RETSC
1          100      0.035      0.05      0.1
4          100      0.01       0.1      0.1
11         100      0.01       0.1      0.1
12         100      0.01       0.1      0.1
14         100      0.01       0.1      0.1
15         100      0.01       0.1      0.1
16         100      0.01       0.1      0.1
```

END IWAT-PARM2

IWAT-PARM3

```
<PLS >      IWATER input info: Part 3      ***
# - # *** PETMAX    PETMIN
1          0         0
4          0         0
11         0         0
12         0         0
14         0         0
15         0         0
16         0         0
```

END IWAT-PARM3

IWAT-STATE1

```
<PLS > *** Initial conditions at start of simulation
# - # ***  RETS      SURS
1          0         0
4          0         0
11         0         0
12         0         0
14         0         0
15         0         0
16         0         0
```

END IWAT-STATE1

END IMPLND

SCHEMATIC

<-Source-> <Name> #	<-Area--> <-factor-->	<-Target-> <Name> #	MBLK Tbl#	*** ***
Basin 216 - Node D***				
PERLND 34	0.03	RCHRES 11	2	
IMPLND 1	0.03	RCHRES 11	5	
Basin 217 - Node D***				
PERLND 40	0.005	RCHRES 15	2	
PERLND 34	0.037	RCHRES 15	2	
IMPLND 1	0.015	RCHRES 15	5	
Basin 218 - Node D***				
PERLND 34	0.04	RCHRES 13	2	
Basin 219 - Node D***				
PERLND 40	0.09	RCHRES 9	2	
IMPLND 1	0.21	RCHRES 9	5	
Basin 220 - Node D***				
PERLND 34	0.05	RCHRES 7	2	
IMPLND 1	0.02	RCHRES 7	5	
IMPLND 12	0.1653	RCHRES 3	5	
IMPLND 14	0.0579	RCHRES 4	5	
IMPLND 15	0.0716	RCHRES 5	5	
IMPLND 4	0.1874	RCHRES 1	5	
IMPLND 16	0.0512	RCHRES 6	5	
IMPLND 11	0.3113	RCHRES 2	5	
Basin 172***				
PERLND 41	0.16	COPY 504	12	
PERLND 41	0.16	COPY 604	12	
PERLND 41	0.16	COPY 504	13	
PERLND 41	0.16	COPY 604	13	

*****Routing*****

PERLND	34	0.03	COPY	4	12
IMPLND	1	0.03	COPY	4	15
PERLND	40	0.005	COPY	4	12
PERLND	34	0.037	COPY	4	12
IMPLND	1	0.015	COPY	4	15
PERLND	34	0.04	COPY	4	12
PERLND	40	0.09	COPY	4	12
IMPLND	1	0.21	COPY	4	15
PERLND	34	0.05	COPY	4	12
IMPLND	1	0.02	COPY	4	15
RCHRES	7	1	RCHRES	8	8
RCHRES	9	1	RCHRES	10	8
RCHRES	11	1	RCHRES	12	8
RCHRES	13	1	RCHRES	14	8
RCHRES	15	1	RCHRES	16	8
RCHRES	1	1	COPY	504	17
RCHRES	2	1	COPY	504	17
RCHRES	3	1	COPY	504	17
RCHRES	4	1	COPY	504	17
RCHRES	5	1	COPY	504	17
RCHRES	6	1	COPY	504	17
RCHRES	8	1	COPY	504	17
RCHRES	7	1	COPY	504	17
RCHRES	10	1	COPY	504	17
RCHRES	9	1	COPY	504	17
RCHRES	12	1	COPY	504	17
RCHRES	11	1	COPY	504	17
RCHRES	14	1	COPY	504	17
RCHRES	13	1	COPY	504	17
RCHRES	16	1	COPY	504	17
RCHRES	15	1	COPY	504	17

END SCHEMATIC

NETWORK

<-Volume->	<-Grp>	<-Member->	<-Mult-->	Tran	<-Target	vols>	<-Grp>	<-Member->	***
<Name>	#	<Name>	#	<-factor-->	strg	<Name>	#	<Name>	#
COPY	504	OUTPUT	MEAN	1 1	12.1	DISPLY	4	INPUT	TIMSER 1

<-Volume->	<-Grp>	<-Member->	<-Mult-->	Tran	<-Target	vols>	<-Grp>	<-Member->	***
<Name>	#	<Name>	#	<-factor-->	strg	<Name>	#	<Name>	#
END NETWORK									

RCHRES

GEN-INFO

RCHRES	Name	Nexits	Unit	Systems	Printer			***
#	-	#	User	T-series	Engl	Metr	LKFG	***
				in out				***
1	Porous Pavement -008	2	1	1 1	28	0	1	
2	DMA 170	2	1	1 1	28	0	1	
3	Porous Pavers 2-065	2	1	1 1	28	0	1	
4	Porous Pavers 21-069	2	1	1 1	28	0	1	
5	Porous Pavers 21-070	2	1	1 1	28	0	1	
6	Porous Pavers 21-071	2	1	1 1	28	0	1	
7	IMP 220 Surface2-073	3	1	1 1	28	0	1	
8	IMP 220	2	1	1 1	28	0	1	
9	IMP 219 Surface1-075	3	1	1 1	28	0	1	
10	IMP 219	2	1	1 1	28	0	1	
11	IMP 216 Surface1-077	3	1	1 1	28	0	1	
12	IMP 216	2	1	1 1	28	0	1	
13	IMP 218 Surface1-079	3	1	1 1	28	0	1	
14	IMP 218	2	1	1 1	28	0	1	
15	IMP 217 Surface1-081	3	1	1 1	28	0	1	
16	IMP 217	2	1	1 1	28	0	1	

END GEN-INFO

*** Section RCHRES***

ACTIVITY

```

<PLS > ***** Active Sections *****
# - # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
1      1      0      0      0      0      0      0      0      0      0
2      1      0      0      0      0      0      0      0      0      0
3      1      0      0      0      0      0      0      0      0      0
4      1      0      0      0      0      0      0      0      0      0
5      1      0      0      0      0      0      0      0      0      0
6      1      0      0      0      0      0      0      0      0      0
7      1      0      0      0      0      0      0      0      0      0
8      1      0      0      0      0      0      0      0      0      0
9      1      0      0      0      0      0      0      0      0      0
10     1      0      0      0      0      0      0      0      0      0
11     1      0      0      0      0      0      0      0      0      0
12     1      0      0      0      0      0      0      0      0      0
13     1      0      0      0      0      0      0      0      0      0
14     1      0      0      0      0      0      0      0      0      0
15     1      0      0      0      0      0      0      0      0      0
16     1      0      0      0      0      0      0      0      0      0
END ACTIVITY

```

```

PRINT-INFO
<PLS > ***** Print-flags ***** PIVL PYR *****
# - # HYDR ADCA CONS HEAT SED GQL OXRX NUTR PLNK PHCB PIVL PYR
1      4      0      0      0      0      0      0      0      0      0      1      9
2      4      0      0      0      0      0      0      0      0      0      1      9
3      4      0      0      0      0      0      0      0      0      0      1      9
4      4      0      0      0      0      0      0      0      0      0      1      9
5      4      0      0      0      0      0      0      0      0      0      1      9
6      4      0      0      0      0      0      0      0      0      0      1      9
7      4      0      0      0      0      0      0      0      0      0      1      9
8      4      0      0      0      0      0      0      0      0      0      1      9
9      4      0      0      0      0      0      0      0      0      0      1      9
10     4      0      0      0      0      0      0      0      0      0      1      9
11     4      0      0      0      0      0      0      0      0      0      1      9
12     4      0      0      0      0      0      0      0      0      0      1      9
13     4      0      0      0      0      0      0      0      0      0      1      9
14     4      0      0      0      0      0      0      0      0      0      1      9
15     4      0      0      0      0      0      0      0      0      0      1      9
16     4      0      0      0      0      0      0      0      0      0      1      9
END PRINT-INFO

```

```

HYDR-PARM1
RCHRES  Flags for each HYDR Section
# - # VC A1 A2 A3 ODFVFG for each *** ODGTFG for each FUNCT for each
      FG FG FG FG possible exit *** possible exit possible exit
      * * * * * * * * * * * * * * * * * * * * * * * *
1      0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
2      0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
3      0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
4      0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
5      0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
6      0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
7      0  1  0  0      4  5  6  0  0      0  0  0  0  0      2  2  2  2  2
8      0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
9      0  1  0  0      4  5  6  0  0      0  0  0  0  0      2  2  2  2  2
10     0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
11     0  1  0  0      4  5  6  0  0      0  0  0  0  0      2  2  2  2  2
12     0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
13     0  1  0  0      4  5  6  0  0      0  0  0  0  0      2  2  2  2  2
14     0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
15     0  1  0  0      4  5  6  0  0      0  0  0  0  0      2  2  2  2  2
16     0  1  0  0      4  5  0  0  0      0  0  0  0  0      2  2  2  2  2
END HYDR-PARM1

```

```

HYDR-PARM2
# - # FTABNO LEN DELTH STCOR KS DB50 ***
<---><---><---><---><---><--->
1      1      0.02      0.0      0.0      0.5      0.0
2      2      0.06      0.0      0.0      0.5      0.0
3      3      0.04      0.0      0.0      0.5      0.0

```

4	4	0.01	0.0	0.0	0.5	0.0
5	5	0.02	0.0	0.0	0.5	0.0
6	6	0.01	0.0	0.0	0.5	0.0
7	7	0.01	0.0	0.0	0.5	0.0
8	8	0.01	0.0	0.0	0.5	0.0
9	9	0.01	0.0	0.0	0.5	0.0
10	10	0.01	0.0	0.0	0.5	0.0
11	11	0.01	0.0	0.0	0.5	0.0
12	12	0.01	0.0	0.0	0.5	0.0
13	13	0.01	0.0	0.0	0.5	0.0
14	14	0.01	0.0	0.0	0.5	0.0
15	15	0.01	0.0	0.0	0.5	0.0
16	16	0.01	0.0	0.0	0.5	0.0

END HYDR-PARM2

HYDR-INIT

RCHRES Initial conditions for each HYDR section ***

# - # ***	VOL ac-ft	Initial value of COLIND for each possible exit					Initial value of OUTDGT for each possible exit				
<-----><----->		<---><---><---><---><--->	*** <---><---><---><---><--->								
1	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0	4.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

END HYDR-INIT

END RCHRES

SPEC-ACTIONS

END SPEC-ACTIONS

FTABLES

FTABLE 1

91	5	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.187438	0.000000	0.000000	0.000000	0.000000	0.000000		
0.017778	0.187438	0.001333	0.000000	0.001890				
0.035556	0.187438	0.002666	0.000000	0.001891				
0.053333	0.187438	0.003999	0.000000	0.001891				
0.071111	0.187438	0.005332	0.000000	0.001892				
0.088889	0.187438	0.006664	0.000000	0.001892				
0.106667	0.187438	0.007997	0.000000	0.001892				
0.124444	0.187438	0.009330	0.000000	0.001893				
0.142222	0.187438	0.010663	0.000000	0.001893				
0.160000	0.187438	0.011996	0.000000	0.001894				
0.177778	0.187438	0.013329	0.000000	0.001894				
0.195556	0.187438	0.014662	0.000000	0.001895				
0.213333	0.187438	0.015995	0.000000	0.001895				
0.231111	0.187438	0.017328	0.000000	0.001895				
0.248889	0.187438	0.018660	0.000000	0.001896				
0.266667	0.187438	0.019993	0.000000	0.001896				
0.284444	0.187438	0.021326	0.000000	0.001897				
0.302222	0.187438	0.022659	0.000000	0.001897				
0.320000	0.187438	0.023992	0.000000	0.001897				
0.337778	0.187438	0.025325	0.000000	0.001898				
0.355556	0.187438	0.026658	0.000000	0.001898				
0.373333	0.187438	0.027991	0.000000	0.001899				
0.391111	0.187438	0.029324	0.000000	0.001899				
0.408889	0.187438	0.030657	0.000000	0.001900				
0.426667	0.187438	0.031989	0.000000	0.001900				

0.444444	0.187438	0.033322	0.000000	0.001900
0.462222	0.187438	0.034655	0.000000	0.001901
0.480000	0.187438	0.035988	0.000000	0.001901
0.497778	0.187438	0.037321	0.000000	0.001902
0.515556	0.187438	0.038654	0.000000	0.001902
0.533333	0.187438	0.039987	0.000000	0.001902
0.551111	0.187438	0.041320	0.000000	0.001903
0.568889	0.187438	0.042653	0.000000	0.001903
0.586667	0.187438	0.043985	0.000000	0.001904
0.604444	0.187438	0.045318	0.000000	0.001904
0.622222	0.187438	0.046651	0.000000	0.001904
0.640000	0.187438	0.047984	0.000000	0.001905
0.657778	0.187438	0.049317	0.000000	0.001905
0.675556	0.187438	0.050650	0.000000	0.001906
0.693333	0.187438	0.051983	0.000000	0.001906
0.711111	0.187438	0.053316	0.000000	0.001907
0.728889	0.187438	0.054649	0.000000	0.001907
0.746667	0.187438	0.055981	0.000000	0.001907
0.764444	0.187438	0.057314	0.000000	0.001908
0.782222	0.187438	0.058647	0.000000	0.001908
0.800000	0.187438	0.059980	0.000000	0.001909
0.817778	0.187438	0.061313	0.000000	0.001909
0.835556	0.187438	0.062646	0.000000	0.001909
0.853333	0.187438	0.063979	0.000000	0.001910
0.871111	0.187438	0.065312	0.000000	0.001910
0.888889	0.187438	0.066645	0.000000	0.001911
0.906667	0.187438	0.067978	0.000000	0.001911
0.924444	0.187438	0.069310	0.000000	0.001912
0.942222	0.187438	0.070643	0.000000	0.001912
0.960000	0.187438	0.071976	0.000000	0.001912
0.977778	0.187438	0.073309	0.000000	0.001913
0.995556	0.187438	0.074642	0.000000	0.001913
1.013333	0.187438	0.075975	0.112806	0.001914
1.031111	0.187438	0.077308	0.172313	0.001914
1.048889	0.187438	0.078641	0.216006	0.001914
1.066667	0.187438	0.079974	0.252241	0.001915
1.084444	0.187438	0.081306	0.283888	0.001915
1.102222	0.187438	0.082639	0.312345	0.001916
1.120000	0.187438	0.083972	0.338417	0.001916
1.137778	0.187438	0.085305	0.362619	0.001916
1.155556	0.187438	0.086638	0.385304	0.001917
1.173333	0.187438	0.087971	0.406726	0.001917
1.191111	0.187438	0.089304	0.427075	0.001918
1.208889	0.187438	0.090637	0.446497	0.001918
1.226667	0.187438	0.091970	0.465109	0.001919
1.244444	0.187438	0.093302	0.483005	0.001919
1.262222	0.187438	0.094635	0.500260	0.001919
1.280000	0.187438	0.095968	0.516940	0.001920
1.297778	0.187438	0.097301	0.533098	0.001920
1.315556	0.187438	0.098634	0.548781	0.001921
1.333333	0.187438	0.099967	0.564028	0.001921
1.351111	0.187438	0.101300	0.578873	0.001921
1.368889	0.187438	0.102633	0.593347	0.001922
1.386667	0.187438	0.103966	0.607477	0.001922
1.404444	0.187438	0.105299	0.621285	0.001923
1.422222	0.187438	0.106631	0.634792	0.001923
1.440000	0.187438	0.107964	0.648019	0.001924
1.457778	0.187438	0.109297	0.660980	0.001924
1.475556	0.187438	0.110630	0.673693	0.001924
1.493333	0.187438	0.111963	0.686170	0.001925
1.511111	0.187438	0.113296	0.698424	0.001925
1.528889	0.187438	0.114629	0.710466	0.001926
1.546667	0.187438	0.115962	0.722308	0.001926
1.564444	0.187438	0.117295	0.733959	0.001926
1.582222	0.187438	0.118627	0.745428	0.001927
1.600000	0.187438	0.119960	0.756723	0.001927

END FTABLE 1
FTABLE 2

91 5

Depth Area Volume Outflow1 Outflow2 Velocity Travel Time***

(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec)	(Minutes)***
0.000000	0.311295	0.000000	0.000000	0.000000		
0.017778	0.311295	0.001771	0.000000	0.003140		
0.035556	0.311295	0.003542	0.000000	0.003141		
0.053333	0.311295	0.005313	0.000000	0.003142		
0.071111	0.311295	0.007084	0.000000	0.003143		
0.088889	0.311295	0.008855	0.000000	0.003145		
0.106667	0.311295	0.010626	0.000000	0.003146		
0.124444	0.311295	0.012396	0.000000	0.003147		
0.142222	0.311295	0.014167	0.000000	0.003148		
0.160000	0.311295	0.015938	0.000000	0.003149		
0.177778	0.311295	0.017709	0.000000	0.003150		
0.195556	0.311295	0.019480	0.000000	0.003151		
0.213333	0.311295	0.021251	0.000000	0.003152		
0.231111	0.311295	0.023022	0.000000	0.003154		
0.248889	0.311295	0.024793	0.000000	0.003155		
0.266667	0.311295	0.026564	0.000000	0.003156		
0.284444	0.311295	0.028335	0.000000	0.003157		
0.302222	0.311295	0.030106	0.000000	0.003158		
0.320000	0.311295	0.031877	0.000000	0.003159		
0.337778	0.311295	0.033648	0.000000	0.003160		
0.355556	0.311295	0.035418	0.000000	0.003161		
0.373333	0.311295	0.037189	0.000000	0.003163		
0.391111	0.311295	0.038960	0.000000	0.003164		
0.408889	0.311295	0.040731	0.000000	0.003165		
0.426667	0.311295	0.042502	0.000000	0.003166		
0.444444	0.311295	0.044273	0.000000	0.003167		
0.462222	0.311295	0.046044	0.000000	0.003168		
0.480000	0.311295	0.047815	0.000000	0.003169		
0.497778	0.311295	0.049586	0.000000	0.003171		
0.515556	0.311295	0.051357	0.000000	0.003172		
0.533333	0.311295	0.053128	0.000000	0.003173		
0.551111	0.311295	0.054899	0.000000	0.003174		
0.568889	0.311295	0.056669	0.000000	0.003175		
0.586667	0.311295	0.058440	0.000000	0.003176		
0.604444	0.311295	0.060211	0.000000	0.003177		
0.622222	0.311295	0.061982	0.000000	0.003178		
0.640000	0.311295	0.063753	0.000000	0.003180		
0.657778	0.311295	0.065524	0.000000	0.003181		
0.675556	0.311295	0.067295	0.000000	0.003182		
0.693333	0.311295	0.069066	0.000000	0.003183		
0.711111	0.311295	0.070837	0.000000	0.003184		
0.728889	0.311295	0.072608	0.000000	0.003185		
0.746667	0.311295	0.074379	0.000000	0.003186		
0.764444	0.311295	0.076150	0.000000	0.003187		
0.782222	0.311295	0.077921	0.000000	0.003189		
0.800000	0.311295	0.079691	0.000000	0.003190		
0.817778	0.311295	0.081462	0.000000	0.003191		
0.835556	0.311295	0.083233	0.000000	0.003192		
0.853333	0.311295	0.085004	0.000000	0.003193		
0.871111	0.311295	0.086775	0.000000	0.003194		
0.888889	0.311295	0.088546	0.000000	0.003195		
0.906667	0.311295	0.090317	0.000000	0.003196		
0.924444	0.311295	0.092088	0.000000	0.003198		
0.942222	0.311295	0.093859	0.000000	0.003199		
0.960000	0.311295	0.095630	0.000000	0.003200		
0.977778	0.311295	0.097401	0.000000	0.003201		
0.995556	0.311295	0.099172	0.000000	0.003202		
1.013333	0.311295	0.100943	0.112806	0.003203		
1.031111	0.311295	0.102713	0.172313	0.003204		
1.048889	0.311295	0.104484	0.216006	0.003206		
1.066667	0.311295	0.106255	0.252241	0.003207		
1.084444	0.311295	0.108026	0.283888	0.003208		
1.102222	0.311295	0.109797	0.312345	0.003209		
1.120000	0.311295	0.111568	0.338417	0.003210		
1.137778	0.311295	0.113339	0.362619	0.003211		
1.155556	0.311295	0.115110	0.385304	0.003212		
1.173333	0.311295	0.116881	0.406726	0.003213		
1.191111	0.311295	0.118652	0.427075	0.003215		
1.208889	0.311295	0.120423	0.446497	0.003216		

1.226667	0.311295	0.122194	0.465109	0.003217
1.244444	0.311295	0.123964	0.483005	0.003218
1.262222	0.311295	0.125735	0.500260	0.003219
1.280000	0.311295	0.127506	0.516940	0.003220
1.297778	0.311295	0.129277	0.533098	0.003221
1.315556	0.311295	0.131048	0.548781	0.003222
1.333333	0.311295	0.132819	0.564028	0.003224
1.351111	0.311295	0.134590	0.578873	0.003225
1.368889	0.311295	0.136361	0.593347	0.003226
1.386667	0.311295	0.138132	0.607477	0.003227
1.404444	0.311295	0.139903	0.621285	0.003228
1.422222	0.311295	0.141674	0.634792	0.003229
1.440000	0.311295	0.143445	0.648019	0.003230
1.457778	0.311295	0.145216	0.660980	0.003232
1.475556	0.311295	0.146986	0.673693	0.003233
1.493333	0.311295	0.148757	0.686170	0.003234
1.511111	0.311295	0.150528	0.698424	0.003235
1.528889	0.311295	0.152299	0.710466	0.003236
1.546667	0.311295	0.154070	0.722308	0.003237
1.564444	0.311295	0.155841	0.733959	0.003238
1.582222	0.311295	0.157612	0.745428	0.003239
1.600000	0.311295	0.159383	0.756723	0.003241

END FTABLE 2

FTABLE 3

91	5	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.165289	0.000000	0.000000	0.000000	0.000000			
0.022222	0.165289	0.001469	0.000000	0.001667				
0.044444	0.165289	0.002938	0.000000	0.001667				
0.066667	0.165289	0.004408	0.000000	0.001667				
0.088889	0.165289	0.005877	0.000000	0.001667				
0.111111	0.165289	0.007346	0.000000	0.001667				
0.133333	0.165289	0.008815	0.000000	0.001667				
0.155556	0.165289	0.010285	0.000000	0.001667				
0.177778	0.165289	0.011754	0.000000	0.001667				
0.200000	0.165289	0.013223	0.000000	0.001667				
0.222222	0.165289	0.014692	0.000000	0.001667				
0.244444	0.165289	0.016162	0.000000	0.001667				
0.266667	0.165289	0.017631	0.000000	0.001667				
0.288889	0.165289	0.019100	0.000000	0.001667				
0.311111	0.165289	0.020569	0.000000	0.001667				
0.333333	0.165289	0.022039	0.000000	0.001667				
0.355556	0.165289	0.023508	0.000000	0.001667				
0.377778	0.165289	0.024977	0.000000	0.001667				
0.400000	0.165289	0.026446	0.000000	0.001667				
0.422222	0.165289	0.027916	0.000000	0.001667				
0.444444	0.165289	0.029385	0.000000	0.001667				
0.466667	0.165289	0.030854	0.000000	0.001667				
0.488889	0.165289	0.032323	0.000000	0.001667				
0.511111	0.165289	0.033792	0.000000	0.001667				
0.533333	0.165289	0.035262	0.000000	0.001667				
0.555556	0.165289	0.036731	0.000000	0.001667				
0.577778	0.165289	0.038200	0.000000	0.001667				
0.600000	0.165289	0.039669	0.000000	0.001667				
0.622222	0.165289	0.041139	0.000000	0.001667				
0.644444	0.165289	0.042608	0.000000	0.001667				
0.666667	0.165289	0.044077	0.000000	0.001667				
0.688889	0.165289	0.045546	0.000000	0.001667				
0.711111	0.165289	0.047016	0.000000	0.001667				
0.733333	0.165289	0.048485	0.000000	0.001667				
0.755556	0.165289	0.049954	0.000000	0.001667				
0.777778	0.165289	0.051423	0.000000	0.001667				
0.800000	0.165289	0.052893	0.000000	0.001667				
0.822222	0.165289	0.054362	0.000000	0.001667				
0.844444	0.165289	0.055831	0.000000	0.001667				
0.866667	0.165289	0.057300	0.000000	0.001667				
0.888889	0.165289	0.058770	0.000000	0.001667				
0.911111	0.165289	0.060239	0.000000	0.001667				
0.933333	0.165289	0.061708	0.000000	0.001667				

0.955556	0.165289	0.063177	0.000000	0.001667
0.977778	0.165289	0.064646	0.000000	0.001667
1.000000	0.165289	0.066116	0.000000	0.001667
1.022222	0.165289	0.067585	0.145631	0.001667
1.044444	0.165289	0.069054	0.205954	0.001667
1.066667	0.165289	0.070523	0.252241	0.001667
1.088889	0.165289	0.071993	0.291263	0.001667
1.111111	0.165289	0.073462	0.325642	0.001667
1.133333	0.165289	0.074931	0.356723	0.001667
1.155556	0.165289	0.076400	0.385304	0.001667
1.177778	0.165289	0.077870	0.411908	0.001667
1.200000	0.165289	0.079339	0.436894	0.001667
1.222222	0.165289	0.080808	0.460527	0.001667
1.244444	0.165289	0.082277	0.483005	0.001667
1.266667	0.165289	0.083747	0.504482	0.001667
1.288889	0.165289	0.085216	0.525081	0.001667
1.311111	0.165289	0.086685	0.544903	0.001667
1.333333	0.165289	0.088154	0.564028	0.001667
1.355556	0.165289	0.089624	0.582526	0.001667
1.377778	0.165289	0.091093	0.600454	0.001667
1.400000	0.165289	0.092562	0.617862	0.001667
1.422222	0.165289	0.094031	0.634792	0.001667
1.444444	0.165289	0.095500	0.651283	0.001667
1.466667	0.165289	0.096970	0.667367	0.001667
1.488889	0.165289	0.098439	0.683072	0.001667
1.511111	0.165289	0.099908	0.698424	0.001667
1.533333	0.165289	0.101377	0.713445	0.001667
1.555556	0.165289	0.102847	0.728157	0.001667
1.577778	0.165289	0.104316	0.742577	0.001667
1.600000	0.165289	0.105785	0.756723	0.001667
1.622222	0.165289	0.107254	0.770609	0.001667
1.644444	0.165289	0.108724	0.784249	0.001667
1.666667	0.165289	0.110193	0.797656	0.001667
1.688889	0.165289	0.111662	0.810841	0.001667
1.711111	0.165289	0.113131	0.823815	0.001667
1.733333	0.165289	0.114601	0.836589	0.001667
1.755556	0.165289	0.116070	0.849170	0.001667
1.777778	0.165289	0.117539	0.861567	0.001667
1.800000	0.165289	0.119008	0.873788	0.001667
1.822222	0.165289	0.120478	0.885841	0.001667
1.844444	0.165289	0.121947	0.897732	0.001667
1.866667	0.165289	0.123416	0.909468	0.001667
1.888889	0.165289	0.124885	0.921054	0.001667
1.911111	0.165289	0.126354	0.932496	0.001667
1.933333	0.165289	0.127824	0.943799	0.001667
1.955556	0.165289	0.129293	0.954969	0.001667
1.977778	0.165289	0.130762	0.966009	0.001667
2.000000	0.165289	0.132231	0.976925	0.001667

END FTABLE 3

FTABLE 4

91	5						
Depth	Area	Volume	Outflow1	Outflow2	Velocity	Travel Time***	
(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec)	(Minutes)***	
0.000000	0.057851	0.000000	0.000000	0.000000			
0.022222	0.057851	0.000514	0.000000	0.000583			
0.044444	0.057851	0.001028	0.000000	0.000583			
0.066667	0.057851	0.001543	0.000000	0.000583			
0.088889	0.057851	0.002057	0.000000	0.000583			
0.111111	0.057851	0.002571	0.000000	0.000583			
0.133333	0.057851	0.003085	0.000000	0.000583			
0.155556	0.057851	0.003600	0.000000	0.000583			
0.177778	0.057851	0.004114	0.000000	0.000583			
0.200000	0.057851	0.004628	0.000000	0.000583			
0.222222	0.057851	0.005142	0.000000	0.000583			
0.244444	0.057851	0.005657	0.000000	0.000583			
0.266667	0.057851	0.006171	0.000000	0.000583			
0.288889	0.057851	0.006685	0.000000	0.000583			
0.311111	0.057851	0.007199	0.000000	0.000583			
0.333333	0.057851	0.007713	0.000000	0.000583			
0.355556	0.057851	0.008228	0.000000	0.000583			

0.377778	0.057851	0.008742	0.000000	0.000583
0.400000	0.057851	0.009256	0.000000	0.000583
0.422222	0.057851	0.009770	0.000000	0.000583
0.444444	0.057851	0.010285	0.000000	0.000583
0.466667	0.057851	0.010799	0.000000	0.000583
0.488889	0.057851	0.011313	0.000000	0.000583
0.511111	0.057851	0.011827	0.000000	0.000583
0.533333	0.057851	0.012342	0.000000	0.000583
0.555556	0.057851	0.012856	0.000000	0.000583
0.577778	0.057851	0.013370	0.000000	0.000583
0.600000	0.057851	0.013884	0.000000	0.000583
0.622222	0.057851	0.014399	0.000000	0.000583
0.644444	0.057851	0.014913	0.000000	0.000583
0.666667	0.057851	0.015427	0.000000	0.000583
0.688889	0.057851	0.015941	0.000000	0.000583
0.711111	0.057851	0.016455	0.000000	0.000583
0.733333	0.057851	0.016970	0.000000	0.000583
0.755556	0.057851	0.017484	0.000000	0.000583
0.777778	0.057851	0.017998	0.000000	0.000583
0.800000	0.057851	0.018512	0.000000	0.000583
0.822222	0.057851	0.019027	0.000000	0.000583
0.844444	0.057851	0.019541	0.000000	0.000583
0.866667	0.057851	0.020055	0.000000	0.000583
0.888889	0.057851	0.020569	0.000000	0.000583
0.911111	0.057851	0.021084	0.000000	0.000583
0.933333	0.057851	0.021598	0.000000	0.000583
0.955556	0.057851	0.022112	0.000000	0.000583
0.977778	0.057851	0.022626	0.000000	0.000583
1.000000	0.057851	0.023140	0.000000	0.000583
1.022222	0.057851	0.023655	0.145631	0.000583
1.044444	0.057851	0.024169	0.205954	0.000583
1.066667	0.057851	0.024683	0.252241	0.000583
1.088889	0.057851	0.025197	0.291263	0.000583
1.111111	0.057851	0.025712	0.325642	0.000583
1.133333	0.057851	0.026226	0.356723	0.000583
1.155556	0.057851	0.026740	0.385304	0.000583
1.177778	0.057851	0.027254	0.411908	0.000583
1.200000	0.057851	0.027769	0.436894	0.000583
1.222222	0.057851	0.028283	0.460527	0.000583
1.244444	0.057851	0.028797	0.483005	0.000583
1.266667	0.057851	0.029311	0.504482	0.000583
1.288889	0.057851	0.029826	0.525081	0.000583
1.311111	0.057851	0.030340	0.544903	0.000583
1.333333	0.057851	0.030854	0.564028	0.000583
1.355556	0.057851	0.031368	0.582526	0.000583
1.377778	0.057851	0.031882	0.600454	0.000583
1.400000	0.057851	0.032397	0.617862	0.000583
1.422222	0.057851	0.032911	0.634792	0.000583
1.444444	0.057851	0.033425	0.651283	0.000583
1.466667	0.057851	0.033939	0.667367	0.000583
1.488889	0.057851	0.034454	0.683072	0.000583
1.511111	0.057851	0.034968	0.698424	0.000583
1.533333	0.057851	0.035482	0.713445	0.000583
1.555556	0.057851	0.035996	0.728157	0.000583
1.577778	0.057851	0.036511	0.742577	0.000583
1.600000	0.057851	0.037025	0.756723	0.000583
1.622222	0.057851	0.037539	0.770609	0.000583
1.644444	0.057851	0.038053	0.784249	0.000583
1.666667	0.057851	0.038567	0.797656	0.000583
1.688889	0.057851	0.039082	0.810841	0.000583
1.711111	0.057851	0.039596	0.823815	0.000583
1.733333	0.057851	0.040110	0.836589	0.000583
1.755556	0.057851	0.040624	0.849170	0.000583
1.777778	0.057851	0.041139	0.861567	0.000583
1.800000	0.057851	0.041653	0.873788	0.000583
1.822222	0.057851	0.042167	0.885841	0.000583
1.844444	0.057851	0.042681	0.897732	0.000583
1.866667	0.057851	0.043196	0.909468	0.000583
1.888889	0.057851	0.043710	0.921054	0.000583
1.911111	0.057851	0.044224	0.932496	0.000583

1.933333	0.057851	0.044738	0.943799	0.000583
1.955556	0.057851	0.045253	0.954969	0.000583
1.977778	0.057851	0.045767	0.966009	0.000583
2.000000	0.057851	0.046281	0.976925	0.000583

END FTABLE 4

FTABLE 5

91 5	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
	0.000000	0.071625	0.000000	0.000000	0.000000		
	0.022222	0.071625	0.000637	0.000000	0.000722		
	0.044444	0.071625	0.001273	0.000000	0.000722		
	0.066667	0.071625	0.001910	0.000000	0.000722		
	0.088889	0.071625	0.002547	0.000000	0.000722		
	0.111111	0.071625	0.003183	0.000000	0.000722		
	0.133333	0.071625	0.003820	0.000000	0.000722		
	0.155556	0.071625	0.004457	0.000000	0.000722		
	0.177778	0.071625	0.005093	0.000000	0.000722		
	0.200000	0.071625	0.005730	0.000000	0.000722		
	0.222222	0.071625	0.006367	0.000000	0.000722		
	0.244444	0.071625	0.007003	0.000000	0.000722		
	0.266667	0.071625	0.007640	0.000000	0.000722		
	0.288889	0.071625	0.008277	0.000000	0.000722		
	0.311111	0.071625	0.008913	0.000000	0.000722		
	0.333333	0.071625	0.009550	0.000000	0.000722		
	0.355556	0.071625	0.010187	0.000000	0.000722		
	0.377778	0.071625	0.010823	0.000000	0.000722		
	0.400000	0.071625	0.011460	0.000000	0.000722		
	0.422222	0.071625	0.012097	0.000000	0.000722		
	0.444444	0.071625	0.012733	0.000000	0.000722		
	0.466667	0.071625	0.013370	0.000000	0.000722		
	0.488889	0.071625	0.014007	0.000000	0.000722		
	0.511111	0.071625	0.014643	0.000000	0.000722		
	0.533333	0.071625	0.015280	0.000000	0.000722		
	0.555556	0.071625	0.015917	0.000000	0.000722		
	0.577778	0.071625	0.016553	0.000000	0.000722		
	0.600000	0.071625	0.017190	0.000000	0.000722		
	0.622222	0.071625	0.017827	0.000000	0.000722		
	0.644444	0.071625	0.018463	0.000000	0.000722		
	0.666667	0.071625	0.019100	0.000000	0.000722		
	0.688889	0.071625	0.019737	0.000000	0.000722		
	0.711111	0.071625	0.020373	0.000000	0.000722		
	0.733333	0.071625	0.021010	0.000000	0.000722		
	0.755556	0.071625	0.021647	0.000000	0.000722		
	0.777778	0.071625	0.022283	0.000000	0.000722		
	0.800000	0.071625	0.022920	0.000000	0.000722		
	0.822222	0.071625	0.023557	0.000000	0.000722		
	0.844444	0.071625	0.024193	0.000000	0.000722		
	0.866667	0.071625	0.024830	0.000000	0.000722		
	0.888889	0.071625	0.025467	0.000000	0.000722		
	0.911111	0.071625	0.026103	0.000000	0.000722		
	0.933333	0.071625	0.026740	0.000000	0.000722		
	0.955556	0.071625	0.027377	0.000000	0.000722		
	0.977778	0.071625	0.028013	0.000000	0.000722		
	1.000000	0.071625	0.028650	0.000000	0.000722		
	1.022222	0.071625	0.029287	0.145631	0.000722		
	1.044444	0.071625	0.029923	0.205954	0.000722		
	1.066667	0.071625	0.030560	0.252241	0.000722		
	1.088889	0.071625	0.031197	0.291263	0.000722		
	1.111111	0.071625	0.031833	0.325642	0.000722		
	1.133333	0.071625	0.032470	0.356723	0.000722		
	1.155556	0.071625	0.033107	0.385304	0.000722		
	1.177778	0.071625	0.033743	0.411908	0.000722		
	1.200000	0.071625	0.034380	0.436894	0.000722		
	1.222222	0.071625	0.035017	0.460527	0.000722		
	1.244444	0.071625	0.035654	0.483005	0.000722		
	1.266667	0.071625	0.036290	0.504482	0.000722		
	1.288889	0.071625	0.036927	0.525081	0.000722		
	1.311111	0.071625	0.037564	0.544903	0.000722		
	1.333333	0.071625	0.038200	0.564028	0.000722		

1.355556	0.071625	0.038837	0.582526	0.000722
1.377778	0.071625	0.039474	0.600454	0.000722
1.400000	0.071625	0.040110	0.617862	0.000722
1.422222	0.071625	0.040747	0.634792	0.000722
1.444444	0.071625	0.041384	0.651283	0.000722
1.466667	0.071625	0.042020	0.667367	0.000722
1.488889	0.071625	0.042657	0.683072	0.000722
1.511111	0.071625	0.043294	0.698424	0.000722
1.533333	0.071625	0.043930	0.713445	0.000722
1.555556	0.071625	0.044567	0.728157	0.000722
1.577778	0.071625	0.045204	0.742577	0.000722
1.600000	0.071625	0.045840	0.756723	0.000722
1.622222	0.071625	0.046477	0.770609	0.000722
1.644444	0.071625	0.047114	0.784249	0.000722
1.666667	0.071625	0.047750	0.797656	0.000722
1.688889	0.071625	0.048387	0.810841	0.000722
1.711111	0.071625	0.049024	0.823815	0.000722
1.733333	0.071625	0.049660	0.836589	0.000722
1.755556	0.071625	0.050297	0.849170	0.000722
1.777778	0.071625	0.050934	0.861567	0.000722
1.800000	0.071625	0.051570	0.873788	0.000722
1.822222	0.071625	0.052207	0.885841	0.000722
1.844444	0.071625	0.052844	0.897732	0.000722
1.866667	0.071625	0.053480	0.909468	0.000722
1.888889	0.071625	0.054117	0.921054	0.000722
1.911111	0.071625	0.054754	0.932496	0.000722
1.933333	0.071625	0.055390	0.943799	0.000722
1.955556	0.071625	0.056027	0.954969	0.000722
1.977778	0.071625	0.056664	0.966009	0.000722
2.000000	0.071625	0.057300	0.976925	0.000722

END FTABLE 5

FTABLE 6

91	5						
Depth	Area	Volume	Outflow1	Outflow2	Velocity	Travel Time***	
(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec)	(Minutes)***	
0.000000	0.051240	0.000000	0.000000	0.000000			
0.022222	0.051240	0.000455	0.000000	0.000517			
0.044444	0.051240	0.000911	0.000000	0.000517			
0.066667	0.051240	0.001366	0.000000	0.000517			
0.088889	0.051240	0.001822	0.000000	0.000517			
0.111111	0.051240	0.002277	0.000000	0.000517			
0.133333	0.051240	0.002733	0.000000	0.000517			
0.155556	0.051240	0.003188	0.000000	0.000517			
0.177778	0.051240	0.003644	0.000000	0.000517			
0.200000	0.051240	0.004099	0.000000	0.000517			
0.222222	0.051240	0.004555	0.000000	0.000517			
0.244444	0.051240	0.005010	0.000000	0.000517			
0.266667	0.051240	0.005466	0.000000	0.000517			
0.288889	0.051240	0.005921	0.000000	0.000517			
0.311111	0.051240	0.006376	0.000000	0.000517			
0.333333	0.051240	0.006832	0.000000	0.000517			
0.355556	0.051240	0.007287	0.000000	0.000517			
0.377778	0.051240	0.007743	0.000000	0.000517			
0.400000	0.051240	0.008198	0.000000	0.000517			
0.422222	0.051240	0.008654	0.000000	0.000517			
0.444444	0.051240	0.009109	0.000000	0.000517			
0.466667	0.051240	0.009565	0.000000	0.000517			
0.488889	0.051240	0.010020	0.000000	0.000517			
0.511111	0.051240	0.010476	0.000000	0.000517			
0.533333	0.051240	0.010931	0.000000	0.000517			
0.555556	0.051240	0.011387	0.000000	0.000517			
0.577778	0.051240	0.011842	0.000000	0.000517			
0.600000	0.051240	0.012298	0.000000	0.000517			
0.622222	0.051240	0.012753	0.000000	0.000517			
0.644444	0.051240	0.013208	0.000000	0.000517			
0.666667	0.051240	0.013664	0.000000	0.000517			
0.688889	0.051240	0.014119	0.000000	0.000517			
0.711111	0.051240	0.014575	0.000000	0.000517			
0.733333	0.051240	0.015030	0.000000	0.000517			
0.755556	0.051240	0.015486	0.000000	0.000517			

0.777778	0.051240	0.015941	0.000000	0.000517
0.800000	0.051240	0.016397	0.000000	0.000517
0.822222	0.051240	0.016852	0.000000	0.000517
0.844444	0.051240	0.017308	0.000000	0.000517
0.866667	0.051240	0.017763	0.000000	0.000517
0.888889	0.051240	0.018219	0.000000	0.000517
0.911111	0.051240	0.018674	0.000000	0.000517
0.933333	0.051240	0.019129	0.000000	0.000517
0.955556	0.051240	0.019585	0.000000	0.000517
0.977778	0.051240	0.020040	0.000000	0.000517
1.000000	0.051240	0.020496	0.000000	0.000517
1.022222	0.051240	0.020951	0.145631	0.000517
1.044444	0.051240	0.021407	0.205954	0.000517
1.066667	0.051240	0.021862	0.252241	0.000517
1.088889	0.051240	0.022318	0.291263	0.000517
1.111111	0.051240	0.022773	0.325642	0.000517
1.133333	0.051240	0.023229	0.356723	0.000517
1.155556	0.051240	0.023684	0.385304	0.000517
1.177778	0.051240	0.024140	0.411908	0.000517
1.200000	0.051240	0.024595	0.436894	0.000517
1.222222	0.051240	0.025051	0.460527	0.000517
1.244444	0.051240	0.025506	0.483005	0.000517
1.266667	0.051240	0.025961	0.504482	0.000517
1.288889	0.051240	0.026417	0.525081	0.000517
1.311111	0.051240	0.026872	0.544903	0.000517
1.333333	0.051240	0.027328	0.564028	0.000517
1.355556	0.051240	0.027783	0.582526	0.000517
1.377778	0.051240	0.028239	0.600454	0.000517
1.400000	0.051240	0.028694	0.617862	0.000517
1.422222	0.051240	0.029150	0.634792	0.000517
1.444444	0.051240	0.029605	0.651283	0.000517
1.466667	0.051240	0.030061	0.667367	0.000517
1.488889	0.051240	0.030516	0.683072	0.000517
1.511111	0.051240	0.030972	0.698424	0.000517
1.533333	0.051240	0.031427	0.713445	0.000517
1.555556	0.051240	0.031882	0.728157	0.000517
1.577778	0.051240	0.032338	0.742577	0.000517
1.600000	0.051240	0.032793	0.756723	0.000517
1.622222	0.051240	0.033249	0.770609	0.000517
1.644444	0.051240	0.033704	0.784249	0.000517
1.666667	0.051240	0.034160	0.797656	0.000517
1.688889	0.051240	0.034615	0.810841	0.000517
1.711111	0.051240	0.035071	0.823815	0.000517
1.733333	0.051240	0.035526	0.836589	0.000517
1.755556	0.051240	0.035982	0.849170	0.000517
1.777778	0.051240	0.036437	0.861567	0.000517
1.800000	0.051240	0.036893	0.873788	0.000517
1.822222	0.051240	0.037348	0.885841	0.000517
1.844444	0.051240	0.037803	0.897732	0.000517
1.866667	0.051240	0.038259	0.909468	0.000517
1.888889	0.051240	0.038714	0.921054	0.000517
1.911111	0.051240	0.039170	0.932496	0.000517
1.933333	0.051240	0.039625	0.943799	0.000517
1.955556	0.051240	0.040081	0.954969	0.000517
1.977778	0.051240	0.040536	0.966009	0.000517
2.000000	0.051240	0.040992	0.976925	0.000517

END FTABLE 6

FTABLE 8

73	5						
Depth	Area	Volume	Outflow1	Outflow2	Velocity	Travel Time***	
(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(ft/sec)	(Minutes)***	
0.000000	0.020546	0.000000	0.000000	0.000000			
0.052198	0.020546	0.000450	0.000000	0.000000			
0.104396	0.020546	0.000901	0.000000	0.000000			
0.156593	0.020546	0.001351	0.000000	0.000000			
0.208791	0.020546	0.001802	0.000000	0.000414			
0.260989	0.020546	0.002252	0.000000	0.000414			
0.313187	0.020546	0.002703	0.000000	0.000414			
0.365385	0.020546	0.003153	0.000000	0.000414			
0.417582	0.020546	0.003604	0.000000	0.000414			

0.469780	0.020546	0.004054	0.000000	0.000414
0.521978	0.020546	0.004504	0.000000	0.000414
0.574176	0.020546	0.004955	0.000000	0.000414
0.626374	0.020546	0.005405	0.000000	0.000414
0.678571	0.020546	0.005856	0.000000	0.000414
0.730769	0.020546	0.006306	0.000000	0.000414
0.782967	0.020546	0.006757	0.000000	0.000414
0.835165	0.020546	0.007207	0.000000	0.000414
0.887363	0.020546	0.007657	0.000000	0.000414
0.939560	0.020546	0.008108	0.000000	0.000414
0.991758	0.020546	0.008558	0.000000	0.000414
1.043956	0.020546	0.009009	0.000000	0.000414
1.096154	0.020546	0.009459	0.000000	0.000414
1.148352	0.020546	0.009910	0.000000	0.000414
1.200549	0.020546	0.010360	0.000000	0.000414
1.252747	0.020546	0.010811	0.000000	0.000414
1.304945	0.020546	0.011261	0.000000	0.000414
1.357143	0.020546	0.011711	0.000000	0.000414
1.409341	0.020546	0.012162	0.000000	0.000414
1.461538	0.020546	0.012612	0.000000	0.000414
1.513736	0.020546	0.013063	0.000000	0.000414
1.565934	0.020546	0.013513	0.000000	0.000414
1.618132	0.020546	0.013964	0.000079	0.000414
1.670330	0.020546	0.014414	0.000127	0.000414
1.722527	0.020546	0.014865	0.000161	0.000414
1.774725	0.020546	0.015315	0.000189	0.000414
1.826923	0.020546	0.015765	0.000213	0.000414
1.879121	0.020546	0.016216	0.000235	0.000414
1.931319	0.020546	0.016666	0.000255	0.000414
1.983516	0.020546	0.017117	0.000274	0.000414
2.035714	0.020546	0.017562	0.000291	0.000414
2.087912	0.020546	0.018007	0.000308	0.000414
2.140110	0.020546	0.018452	0.000323	0.000414
2.192308	0.020546	0.018897	0.000338	0.000414
2.244505	0.020546	0.019342	0.000352	0.000414
2.296703	0.020546	0.019787	0.000366	0.000414
2.348901	0.020546	0.020232	0.000379	0.000414
2.401099	0.020546	0.020677	0.000392	0.000414
2.453297	0.020546	0.021122	0.000404	0.000414
2.505495	0.020546	0.021567	0.000416	0.000414
2.557692	0.020546	0.022013	0.000428	0.000414
2.609890	0.020546	0.022458	0.000439	0.000414
2.662088	0.020546	0.022903	0.000450	0.000414
2.714286	0.020546	0.023348	0.000461	0.000414
2.766484	0.020546	0.023793	0.000472	0.000414
2.818681	0.020546	0.024238	0.000482	0.000414
2.870879	0.020546	0.024683	0.000492	0.000414
2.923077	0.020546	0.025128	0.000502	0.000414
2.975275	0.020546	0.025573	0.000512	0.000414
3.027473	0.020546	0.026018	0.000521	0.000414
3.079670	0.020546	0.026463	0.000531	0.000414
3.131868	0.020546	0.026908	0.000540	0.000414
3.184066	0.020546	0.027353	0.000549	0.000414
3.236264	0.020546	0.027799	0.000558	0.000414
3.288462	0.020546	0.028244	0.000567	0.000414
3.340659	0.020546	0.028689	0.000576	0.000414
3.392857	0.020546	0.029134	0.000585	0.000414
3.445055	0.020546	0.029579	0.000594	0.000414
3.497253	0.020546	0.030024	0.000604	0.000414
3.549451	0.020546	0.030469	0.000618	0.000414
3.601648	0.020546	0.030914	0.000626	0.000414
3.653846	0.020546	0.031359	0.000634	0.000414
3.706044	0.020546	0.031804	0.000641	0.000414
3.750000	0.020546	0.064358	0.000648	0.000414

END FTABLE 8

FTABLE 7

Time***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
---------	---------------	-----------------	---------------------	-------------------	-------------------	--------------------	----------------------	--------

(Minutes)***

0.000000	0.020546	0.000000	0.000000	0.000000	0.000000
0.052198	0.020546	0.001072	0.000000	0.001056	0.000000
0.104396	0.020546	0.002145	0.000000	0.001056	0.000000
0.156593	0.020546	0.003217	0.000000	0.001056	0.000000
0.208791	0.020546	0.004290	0.000000	0.001056	0.000000
0.260989	0.020546	0.005362	0.000000	0.001056	0.000000
0.313187	0.020546	0.006435	0.000000	0.001056	0.000000
0.365385	0.020546	0.007507	0.000000	0.001056	0.000000
0.417582	0.020546	0.008580	0.000000	0.001056	0.000000
0.469780	0.020546	0.009652	0.000000	0.001056	0.000000
0.521978	0.020546	0.010725	0.000000	0.001056	0.000000
0.574176	0.020546	0.011797	0.000000	0.001056	0.000000
0.626374	0.020546	0.012870	0.000000	0.001056	0.000000
0.678571	0.020546	0.013942	0.000000	0.001056	0.000000
0.730769	0.020546	0.015015	0.000000	0.001056	0.000000
0.782967	0.020546	0.016087	0.000000	0.001056	0.000000
0.835165	0.020546	0.017160	0.002627	0.001056	0.000000
0.887363	0.020546	0.018232	0.096788	0.001056	0.000000
0.939560	0.020546	0.019305	0.250206	0.001056	0.000000
0.991758	0.020546	0.020377	0.425470	0.001056	0.000000
1.000000	0.020546	0.020546	0.588331	0.001056	0.000000

END FTABLE 7

FTABLE 10

73 5

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.030992	0.000000	0.000000	0.000000		
0.052198	0.030992	0.000679	0.000000	0.000000		
0.104396	0.030992	0.001359	0.000000	0.000000		
0.156593	0.030992	0.002038	0.000000	0.000000		
0.208791	0.030992	0.002718	0.000000	0.000625		
0.260989	0.030992	0.003397	0.000000	0.000625		
0.313187	0.030992	0.004077	0.000000	0.000625		
0.365385	0.030992	0.004756	0.000000	0.000625		
0.417582	0.030992	0.005435	0.000000	0.000625		
0.469780	0.030992	0.006115	0.000000	0.000625		
0.521978	0.030992	0.006794	0.000000	0.000625		
0.574176	0.030992	0.007474	0.000000	0.000625		
0.626374	0.030992	0.008153	0.000000	0.000625		
0.678571	0.030992	0.008833	0.000000	0.000625		
0.730769	0.030992	0.009512	0.000000	0.000625		
0.782967	0.030992	0.010192	0.000000	0.000625		
0.835165	0.030992	0.010871	0.000000	0.000625		
0.887363	0.030992	0.011550	0.000000	0.000625		
0.939560	0.030992	0.012230	0.000000	0.000625		
0.991758	0.030992	0.012909	0.000000	0.000625		
1.043956	0.030992	0.013589	0.000000	0.000625		
1.096154	0.030992	0.014268	0.000000	0.000625		
1.148352	0.030992	0.014948	0.000000	0.000625		
1.200549	0.030992	0.015627	0.000000	0.000625		
1.252747	0.030992	0.016306	0.000000	0.000625		
1.304945	0.030992	0.016986	0.000000	0.000625		
1.357143	0.030992	0.017665	0.000000	0.000625		
1.409341	0.030992	0.018345	0.000000	0.000625		
1.461538	0.030992	0.019024	0.000000	0.000625		
1.513736	0.030992	0.019704	0.000000	0.000625		
1.565934	0.030992	0.020383	0.000000	0.000625		
1.618132	0.030992	0.021062	0.000879	0.000625		
1.670330	0.030992	0.021742	0.001409	0.000625		
1.722527	0.030992	0.022421	0.001789	0.000625		
1.774725	0.030992	0.023101	0.002100	0.000625		
1.826923	0.030992	0.023780	0.002372	0.000625		
1.879121	0.030992	0.024460	0.002615	0.000625		
1.931319	0.030992	0.025139	0.002837	0.000625		
1.983516	0.030992	0.025818	0.003044	0.000625		
2.035714	0.030992	0.026490	0.003237	0.000625		
2.087912	0.030992	0.027161	0.003419	0.000625		
2.140110	0.030992	0.027833	0.003592	0.000625		
2.192308	0.030992	0.028504	0.003757	0.000625		

2.244505	0.030992	0.029175	0.003915	0.000625
2.296703	0.030992	0.029847	0.004067	0.000625
2.348901	0.030992	0.030518	0.004214	0.000625
2.401099	0.030992	0.031189	0.004355	0.000625
2.453297	0.030992	0.031861	0.004492	0.000625
2.505495	0.030992	0.032532	0.004626	0.000625
2.557692	0.030992	0.033203	0.004755	0.000625
2.609890	0.030992	0.033875	0.004881	0.000625
2.662088	0.030992	0.034546	0.005004	0.000625
2.714286	0.030992	0.035217	0.005124	0.000625
2.766484	0.030992	0.035889	0.005241	0.000625
2.818681	0.030992	0.036560	0.005356	0.000625
2.870879	0.030992	0.037231	0.005469	0.000625
2.923077	0.030992	0.037903	0.005579	0.000625
2.975275	0.030992	0.038574	0.005687	0.000625
3.027473	0.030992	0.039245	0.005794	0.000625
3.079670	0.030992	0.039917	0.005898	0.000625
3.131868	0.030992	0.040588	0.006001	0.000625
3.184066	0.030992	0.041259	0.006102	0.000625
3.236264	0.030992	0.041931	0.006202	0.000625
3.288462	0.030992	0.042602	0.006301	0.000625
3.340659	0.030992	0.043273	0.006399	0.000625
3.392857	0.030992	0.043945	0.006497	0.000625
3.445055	0.030992	0.044616	0.006595	0.000625
3.497253	0.030992	0.045288	0.006710	0.000625
3.549451	0.030992	0.045959	0.006868	0.000625
3.601648	0.030992	0.046630	0.006954	0.000625
3.653846	0.030992	0.047302	0.007040	0.000625
3.706044	0.030992	0.047973	0.007125	0.000625
3.750000	0.030992	0.097077	0.007196	0.000625

END FTABLE 10
FTABLE 9

Time*** (Minutes)***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.030992	0.000000	0.000000	0.000000	0.000000	0.000000		
0.052198	0.030992	0.001618	0.000000	0.000000	0.007750	0.000000		
0.104396	0.030992	0.003235	0.000000	0.000000	0.007750	0.000000		
0.156593	0.030992	0.004853	0.000000	0.000000	0.007750	0.000000		
0.208791	0.030992	0.006471	0.000000	0.000000	0.007750	0.000000		
0.260989	0.030992	0.008089	0.000000	0.000000	0.007750	0.000000		
0.313187	0.030992	0.009706	0.000000	0.000000	0.007750	0.000000		
0.365385	0.030992	0.011324	0.000000	0.000000	0.007750	0.000000		
0.417582	0.030992	0.012942	0.000000	0.000000	0.007750	0.000000		
0.469780	0.030992	0.014559	0.000000	0.000000	0.007750	0.000000		
0.521978	0.030992	0.016177	0.000000	0.000000	0.007750	0.000000		
0.574176	0.030992	0.017795	0.000000	0.000000	0.007750	0.000000		
0.626374	0.030992	0.019412	0.000000	0.000000	0.007750	0.000000		
0.678571	0.030992	0.021030	0.000000	0.000000	0.007750	0.000000		
0.730769	0.030992	0.022648	0.000000	0.000000	0.007750	0.000000		
0.782967	0.030992	0.024266	0.000000	0.000000	0.007750	0.000000		
0.835165	0.030992	0.025883	0.002627	0.007750	0.000000	0.000000		
0.887363	0.030992	0.027501	0.096788	0.007750	0.000000	0.000000		
0.939560	0.030992	0.029119	0.250206	0.007750	0.000000	0.000000		
0.991758	0.030992	0.030736	0.425470	0.007750	0.000000	0.000000		
1.000000	0.030992	0.030992	0.588331	0.007750	0.000000	0.000000		

END FTABLE 9
FTABLE 12

Time*** (Minutes)***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.018884	0.000000	0.000000	0.000000	0.000000		
0.052198	0.018884	0.000414	0.000000	0.000000	0.000000		
0.104396	0.018884	0.000828	0.000000	0.000000	0.000000		
0.156593	0.018884	0.001242	0.000000	0.000000	0.000000		
0.208791	0.018884	0.001656	0.000000	0.000000	0.000381		
0.260989	0.018884	0.002070	0.000000	0.000000	0.000381		
0.313187	0.018884	0.002484	0.000000	0.000000	0.000381		

0.365385	0.018884	0.002898	0.000000	0.000381
0.417582	0.018884	0.003312	0.000000	0.000381
0.469780	0.018884	0.003726	0.000000	0.000381
0.521978	0.018884	0.004140	0.000000	0.000381
0.574176	0.018884	0.004554	0.000000	0.000381
0.626374	0.018884	0.004968	0.000000	0.000381
0.678571	0.018884	0.005382	0.000000	0.000381
0.730769	0.018884	0.005796	0.000000	0.000381
0.782967	0.018884	0.006210	0.000000	0.000381
0.835165	0.018884	0.006624	0.000000	0.000381
0.887363	0.018884	0.007038	0.000000	0.000381
0.939560	0.018884	0.007452	0.000000	0.000381
0.991758	0.018884	0.007866	0.000000	0.000381
1.043956	0.018884	0.008280	0.000000	0.000381
1.096154	0.018884	0.008694	0.000000	0.000381
1.148352	0.018884	0.009108	0.000000	0.000381
1.200549	0.018884	0.009522	0.000000	0.000381
1.252747	0.018884	0.009936	0.000000	0.000381
1.304945	0.018884	0.010350	0.000000	0.000381
1.357143	0.018884	0.010764	0.000000	0.000381
1.409341	0.018884	0.011178	0.000000	0.000381
1.461538	0.018884	0.011592	0.000000	0.000381
1.513736	0.018884	0.012006	0.000000	0.000381
1.565934	0.018884	0.012420	0.000000	0.000381
1.618132	0.018884	0.012834	0.000079	0.000381
1.670330	0.018884	0.013248	0.000127	0.000381
1.722527	0.018884	0.013662	0.000161	0.000381
1.774725	0.018884	0.014076	0.000189	0.000381
1.826923	0.018884	0.014490	0.000213	0.000381
1.879121	0.018884	0.014904	0.000235	0.000381
1.931319	0.018884	0.015318	0.000255	0.000381
1.983516	0.018884	0.015732	0.000274	0.000381
2.035714	0.018884	0.016141	0.000291	0.000381
2.087912	0.018884	0.016550	0.000308	0.000381
2.140110	0.018884	0.016959	0.000323	0.000381
2.192308	0.018884	0.017368	0.000338	0.000381
2.244505	0.018884	0.017777	0.000352	0.000381
2.296703	0.018884	0.018187	0.000366	0.000381
2.348901	0.018884	0.018596	0.000379	0.000381
2.401099	0.018884	0.019005	0.000392	0.000381
2.453297	0.018884	0.019414	0.000404	0.000381
2.505495	0.018884	0.019823	0.000416	0.000381
2.557692	0.018884	0.020232	0.000428	0.000381
2.609890	0.018884	0.020641	0.000439	0.000381
2.662088	0.018884	0.021050	0.000450	0.000381
2.714286	0.018884	0.021459	0.000461	0.000381
2.766484	0.018884	0.021868	0.000472	0.000381
2.818681	0.018884	0.022277	0.000482	0.000381
2.870879	0.018884	0.022686	0.000492	0.000381
2.923077	0.018884	0.023095	0.000502	0.000381
2.975275	0.018884	0.023504	0.000512	0.000381
3.027473	0.018884	0.023914	0.000521	0.000381
3.079670	0.018884	0.024323	0.000531	0.000381
3.131868	0.018884	0.024732	0.000540	0.000381
3.184066	0.018884	0.025141	0.000549	0.000381
3.236264	0.018884	0.025550	0.000558	0.000381
3.288462	0.018884	0.025959	0.000567	0.000381
3.340659	0.018884	0.026368	0.000576	0.000381
3.392857	0.018884	0.026777	0.000585	0.000381
3.445055	0.018884	0.027186	0.000594	0.000381
3.497253	0.018884	0.027595	0.000604	0.000381
3.549451	0.018884	0.028004	0.000618	0.000381
3.601648	0.018884	0.028413	0.000626	0.000381
3.653846	0.018884	0.028822	0.000634	0.000381
3.706044	0.018884	0.029231	0.000641	0.000381
3.750000	0.018884	0.059152	0.000648	0.000381

END FTABLE 12
FTABLE 11

21 6
Depth

Area

Volume

Outflow1

Outflow2

outflow 3 Velocity

Travel

Time*** (Minutes)***	(ft)	(acres)	(acre-ft)	(cfs)	(cfs)	(cfs)	(ft/sec)
0.000000	0.018884	0.000000	0.000000	0.000000	0.000000	0.000000	
0.052198	0.018884	0.000986	0.000000	0.000000	0.001022	0.000000	
0.104396	0.018884	0.001971	0.000000	0.000000	0.001022	0.000000	
0.156593	0.018884	0.002957	0.000000	0.000000	0.001022	0.000000	
0.208791	0.018884	0.003943	0.000000	0.000000	0.001022	0.000000	
0.260989	0.018884	0.004929	0.000000	0.000000	0.001022	0.000000	
0.313187	0.018884	0.005914	0.000000	0.000000	0.001022	0.000000	
0.365385	0.018884	0.006900	0.000000	0.000000	0.001022	0.000000	
0.417582	0.018884	0.007886	0.000000	0.000000	0.001022	0.000000	
0.469780	0.018884	0.008871	0.000000	0.000000	0.001022	0.000000	
0.521978	0.018884	0.009857	0.000000	0.000000	0.001022	0.000000	
0.574176	0.018884	0.010843	0.000000	0.000000	0.001022	0.000000	
0.626374	0.018884	0.011829	0.000000	0.000000	0.001022	0.000000	
0.678571	0.018884	0.012814	0.000000	0.000000	0.001022	0.000000	
0.730769	0.018884	0.013800	0.000000	0.000000	0.001022	0.000000	
0.782967	0.018884	0.014786	0.000000	0.000000	0.001022	0.000000	
0.835165	0.018884	0.015772	0.002627	0.001022	0.001022	0.000000	
0.887363	0.018884	0.016757	0.096788	0.001022	0.001022	0.000000	
0.939560	0.018884	0.017743	0.250206	0.001022	0.001022	0.000000	
0.991758	0.018884	0.018729	0.425470	0.001022	0.001022	0.000000	
1.000000	0.018884	0.018884	0.588331	0.001022	0.001022	0.000000	
END FTABLE 11							
FTABLE 14							
73 5							
Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***	
0.000000	0.012603	0.000000	0.000000	0.000000			
0.052198	0.012603	0.000276	0.000000	0.000000			
0.104396	0.012603	0.000553	0.000000	0.000000			
0.156593	0.012603	0.000829	0.000000	0.000000			
0.208791	0.012603	0.001105	0.000000	0.000254			
0.260989	0.012603	0.001382	0.000000	0.000254			
0.313187	0.012603	0.001658	0.000000	0.000254			
0.365385	0.012603	0.001934	0.000000	0.000254			
0.417582	0.012603	0.002210	0.000000	0.000254			
0.469780	0.012603	0.002487	0.000000	0.000254			
0.521978	0.012603	0.002763	0.000000	0.000254			
0.574176	0.012603	0.003039	0.000000	0.000254			
0.626374	0.012603	0.003316	0.000000	0.000254			
0.678571	0.012603	0.003592	0.000000	0.000254			
0.730769	0.012603	0.003868	0.000000	0.000254			
0.782967	0.012603	0.004145	0.000000	0.000254			
0.835165	0.012603	0.004421	0.000000	0.000254			
0.887363	0.012603	0.004697	0.000000	0.000254			
0.939560	0.012603	0.004973	0.000000	0.000254			
0.991758	0.012603	0.005250	0.000000	0.000254			
1.043956	0.012603	0.005526	0.000000	0.000254			
1.096154	0.012603	0.005802	0.000000	0.000254			
1.148352	0.012603	0.006079	0.000000	0.000254			
1.200549	0.012603	0.006355	0.000000	0.000254			
1.252747	0.012603	0.006631	0.000000	0.000254			
1.304945	0.012603	0.006908	0.000000	0.000254			
1.357143	0.012603	0.007184	0.000000	0.000254			
1.409341	0.012603	0.007460	0.000000	0.000254			
1.461538	0.012603	0.007736	0.000000	0.000254			
1.513736	0.012603	0.008013	0.000000	0.000254			
1.565934	0.012603	0.008289	0.000000	0.000254			
1.618132	0.012603	0.008565	0.000035	0.000254			
1.670330	0.012603	0.008842	0.000056	0.000254			
1.722527	0.012603	0.009118	0.000072	0.000254			
1.774725	0.012603	0.009394	0.000084	0.000254			
1.826923	0.012603	0.009671	0.000095	0.000254			
1.879121	0.012603	0.009947	0.000105	0.000254			
1.931319	0.012603	0.010223	0.000113	0.000254			
1.983516	0.012603	0.010500	0.000122	0.000254			
2.035714	0.012603	0.010773	0.000129	0.000254			
2.087912	0.012603	0.011046	0.000137	0.000254			

2.140110	0.012603	0.011319	0.000144	0.000254
2.192308	0.012603	0.011592	0.000150	0.000254
2.244505	0.012603	0.011865	0.000157	0.000254
2.296703	0.012603	0.012138	0.000163	0.000254
2.348901	0.012603	0.012411	0.000169	0.000254
2.401099	0.012603	0.012684	0.000174	0.000254
2.453297	0.012603	0.012957	0.000180	0.000254
2.505495	0.012603	0.013230	0.000185	0.000254
2.557692	0.012603	0.013503	0.000190	0.000254
2.609890	0.012603	0.013776	0.000195	0.000254
2.662088	0.012603	0.014049	0.000200	0.000254
2.714286	0.012603	0.014322	0.000205	0.000254
2.766484	0.012603	0.014595	0.000210	0.000254
2.818681	0.012603	0.014868	0.000214	0.000254
2.870879	0.012603	0.015141	0.000219	0.000254
2.923077	0.012603	0.015414	0.000223	0.000254
2.975275	0.012603	0.015687	0.000227	0.000254
3.027473	0.012603	0.015960	0.000232	0.000254
3.079670	0.012603	0.016233	0.000236	0.000254
3.131868	0.012603	0.016506	0.000240	0.000254
3.184066	0.012603	0.016779	0.000244	0.000254
3.236264	0.012603	0.017052	0.000248	0.000254
3.288462	0.012603	0.017325	0.000252	0.000254
3.340659	0.012603	0.017598	0.000256	0.000254
3.392857	0.012603	0.017871	0.000260	0.000254
3.445055	0.012603	0.018144	0.000264	0.000254
3.497253	0.012603	0.018417	0.000268	0.000254
3.549451	0.012603	0.018690	0.000275	0.000254
3.601648	0.012603	0.018963	0.000278	0.000254
3.653846	0.012603	0.019236	0.000282	0.000254
3.706044	0.012603	0.019509	0.000285	0.000254
3.750000	0.012603	0.039478	0.000288	0.000254

END FTABLE 14
FTABLE 13

Time*** (Minutes)***	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.012603	0.000000	0.000000	0.000000	0.000000	0.000000		
0.052198	0.012603	0.000658	0.000000	0.000000	0.000539	0.000000		
0.104396	0.012603	0.001316	0.000000	0.000000	0.000539	0.000000		
0.156593	0.012603	0.001974	0.000000	0.000000	0.000539	0.000000		
0.208791	0.012603	0.002631	0.000000	0.000000	0.000539	0.000000		
0.260989	0.012603	0.003289	0.000000	0.000000	0.000539	0.000000		
0.313187	0.012603	0.003947	0.000000	0.000000	0.000539	0.000000		
0.365385	0.012603	0.004605	0.000000	0.000000	0.000539	0.000000		
0.417582	0.012603	0.005263	0.000000	0.000000	0.000539	0.000000		
0.469780	0.012603	0.005921	0.000000	0.000000	0.000539	0.000000		
0.521978	0.012603	0.006579	0.000000	0.000000	0.000539	0.000000		
0.574176	0.012603	0.007237	0.000000	0.000000	0.000539	0.000000		
0.626374	0.012603	0.007894	0.000000	0.000000	0.000539	0.000000		
0.678571	0.012603	0.008552	0.000000	0.000000	0.000539	0.000000		
0.730769	0.012603	0.009210	0.000000	0.000000	0.000539	0.000000		
0.782967	0.012603	0.009868	0.000000	0.000000	0.000539	0.000000		
0.835165	0.012603	0.010526	0.002627	0.000539	0.000539	0.000000		
0.887363	0.012603	0.011184	0.096788	0.000539	0.000539	0.000000		
0.939560	0.012603	0.011842	0.250206	0.000539	0.000539	0.000000		
0.991758	0.012603	0.012499	0.425470	0.000539	0.000539	0.000000		
1.000000	0.012603	0.012603	0.588331	0.000539	0.000539	0.000000		

END FTABLE 13
FTABLE 16

73	5	Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.009711	0.000000	0.000000	0.000000	0.000000			
0.052198	0.009711	0.000213	0.000000	0.000000	0.000000			
0.104396	0.009711	0.000426	0.000000	0.000000	0.000000			
0.156593	0.009711	0.000639	0.000000	0.000000	0.000000			
0.208791	0.009711	0.000852	0.000000	0.000196				

0.260989	0.009711	0.001064	0.000000	0.000196
0.313187	0.009711	0.001277	0.000000	0.000196
0.365385	0.009711	0.001490	0.000000	0.000196
0.417582	0.009711	0.001703	0.000000	0.000196
0.469780	0.009711	0.001916	0.000000	0.000196
0.521978	0.009711	0.002129	0.000000	0.000196
0.574176	0.009711	0.002342	0.000000	0.000196
0.626374	0.009711	0.002555	0.000000	0.000196
0.678571	0.009711	0.002768	0.000000	0.000196
0.730769	0.009711	0.002980	0.000000	0.000196
0.782967	0.009711	0.003193	0.000000	0.000196
0.835165	0.009711	0.003406	0.000000	0.000196
0.887363	0.009711	0.003619	0.000000	0.000196
0.939560	0.009711	0.003832	0.000000	0.000196
0.991758	0.009711	0.004045	0.000000	0.000196
1.043956	0.009711	0.004258	0.000000	0.000196
1.096154	0.009711	0.004471	0.000000	0.000196
1.148352	0.009711	0.004684	0.000000	0.000196
1.200549	0.009711	0.004896	0.000000	0.000196
1.252747	0.009711	0.005109	0.000000	0.000196
1.304945	0.009711	0.005322	0.000000	0.000196
1.357143	0.009711	0.005535	0.000000	0.000196
1.409341	0.009711	0.005748	0.000000	0.000196
1.461538	0.009711	0.005961	0.000000	0.000196
1.513736	0.009711	0.006174	0.000000	0.000196
1.565934	0.009711	0.006387	0.000000	0.000196
1.618132	0.009711	0.006600	0.000141	0.000196
1.670330	0.009711	0.006812	0.000225	0.000196
1.722527	0.009711	0.007025	0.000286	0.000196
1.774725	0.009711	0.007238	0.000336	0.000196
1.826923	0.009711	0.007451	0.000379	0.000196
1.879121	0.009711	0.007664	0.000418	0.000196
1.931319	0.009711	0.007877	0.000454	0.000196
1.983516	0.009711	0.008090	0.000487	0.000196
2.035714	0.009711	0.008300	0.000518	0.000196
2.087912	0.009711	0.008511	0.000547	0.000196
2.140110	0.009711	0.008721	0.000575	0.000196
2.192308	0.009711	0.008931	0.000601	0.000196
2.244505	0.009711	0.009142	0.000626	0.000196
2.296703	0.009711	0.009352	0.000651	0.000196
2.348901	0.009711	0.009562	0.000674	0.000196
2.401099	0.009711	0.009773	0.000697	0.000196
2.453297	0.009711	0.009983	0.000719	0.000196
2.505495	0.009711	0.010193	0.000740	0.000196
2.557692	0.009711	0.010404	0.000761	0.000196
2.609890	0.009711	0.010614	0.000781	0.000196
2.662088	0.009711	0.010824	0.000801	0.000196
2.714286	0.009711	0.011035	0.000820	0.000196
2.766484	0.009711	0.011245	0.000839	0.000196
2.818681	0.009711	0.011455	0.000857	0.000196
2.870879	0.009711	0.011666	0.000875	0.000196
2.923077	0.009711	0.011876	0.000893	0.000196
2.975275	0.009711	0.012087	0.000910	0.000196
3.027473	0.009711	0.012297	0.000927	0.000196
3.079670	0.009711	0.012507	0.000944	0.000196
3.131868	0.009711	0.012718	0.000960	0.000196
3.184066	0.009711	0.012928	0.000976	0.000196
3.236264	0.009711	0.013138	0.000992	0.000196
3.288462	0.009711	0.013349	0.001008	0.000196
3.340659	0.009711	0.013559	0.001024	0.000196
3.392857	0.009711	0.013769	0.001039	0.000196
3.445055	0.009711	0.013980	0.001055	0.000196
3.497253	0.009711	0.014190	0.001074	0.000196
3.549451	0.009711	0.014400	0.001099	0.000196
3.601648	0.009711	0.014611	0.001113	0.000196
3.653846	0.009711	0.014821	0.001126	0.000196
3.706044	0.009711	0.015032	0.001140	0.000196
3.750000	0.009711	0.030417	0.001151	0.000196

END FTABLE 16
FTABLE 15

21 Time***	6 Depth (ft) (Minutes)***	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Outflow2 (cfs)	outflow 3 (cfs)	Velocity (ft/sec)	Travel
0.000000	0.009711	0.000000	0.000000	0.000000	0.000000	0.000000		
0.052198	0.009711	0.000507	0.000000	0.000000	0.001336	0.000000		
0.104396	0.009711	0.001014	0.000000	0.000000	0.001336	0.000000		
0.156593	0.009711	0.001521	0.000000	0.000000	0.001336	0.000000		
0.208791	0.009711	0.002028	0.000000	0.000000	0.001336	0.000000		
0.260989	0.009711	0.002534	0.000000	0.000000	0.001336	0.000000		
0.313187	0.009711	0.003041	0.000000	0.000000	0.001336	0.000000		
0.365385	0.009711	0.003548	0.000000	0.000000	0.001336	0.000000		
0.417582	0.009711	0.004055	0.000000	0.000000	0.001336	0.000000		
0.469780	0.009711	0.004562	0.000000	0.000000	0.001336	0.000000		
0.521978	0.009711	0.005069	0.000000	0.000000	0.001336	0.000000		
0.574176	0.009711	0.005576	0.000000	0.000000	0.001336	0.000000		
0.626374	0.009711	0.006083	0.000000	0.000000	0.001336	0.000000		
0.678571	0.009711	0.006589	0.000000	0.000000	0.001336	0.000000		
0.730769	0.009711	0.007096	0.000000	0.000000	0.001336	0.000000		
0.782967	0.009711	0.007603	0.000000	0.000000	0.001336	0.000000		
0.835165	0.009711	0.008110	0.002627	0.001336	0.000000			
0.887363	0.009711	0.008617	0.096788	0.001336	0.000000			
0.939560	0.009711	0.009124	0.250206	0.001336	0.000000			
0.991758	0.009711	0.009631	0.425470	0.001336	0.000000			
1.000000	0.009711	0.009711	0.588331	0.001336	0.000000			

END FTABLE 15
END FTABLES

EXT SOURCES

<-Volume-> <Name>	<Member> #	SsysSgap tem	<-Mult--> strg	<-factor--> strg	<-Target <Name>	vols> #	<-Grp> #	<-Member-> <Name>	*** #	
WDM	2	PREC	ENGL	1	PERLND	1	999	EXTNL	PREC	***
WDM	2	PREC	ENGL	1	IMPLND	1	999	EXTNL	PREC	***
WDM	1	EVAP	ENGL	1	PERLND	1	999	EXTNL	PETINP	
WDM	1	EVAP	ENGL	1	IMPLND	1	999	EXTNL	PETINP	
WDM	22	IRRG	ENGL	0.7	SAME	PERLND	40	EXTNL	SURLI	
WDM	22	IRRG	ENGL	0.7	SAME	PERLND	41	EXTNL	SURLI	
WDM	2	PREC	ENGL	1	RCHRES	7		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	9		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	11		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	13		EXTNL	PREC	
WDM	2	PREC	ENGL	1	RCHRES	15		EXTNL	PREC	
WDM	1	EVAP	ENGL	1	RCHRES	1		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	2		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	3		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	4		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	5		EXTNL	POTEV	
WDM	1	EVAP	ENGL	1	RCHRES	6		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.5	RCHRES	7		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.7	RCHRES	8		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.5	RCHRES	9		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.7	RCHRES	10		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.5	RCHRES	11		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.7	RCHRES	12		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.5	RCHRES	13		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.7	RCHRES	14		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.5	RCHRES	15		EXTNL	POTEV	
WDM	1	EVAP	ENGL	0.7	RCHRES	16		EXTNL	POTEV	

END EXT SOURCES

EXT TARGETS

<-Volume-> <Name>	<-Grp> #	<-Member-> <Name>	#	<-Mult--> #	<-factor--> strg	<-Volume-> <Name>	<-Member> #	Tsys tem	Tgap strg	Amd strg	*** ***	
COPY	4	OUTPUT	MEAN	1	1	12.1	WDM	704	FLOW	ENGL	REPL	
COPY	504	OUTPUT	MEAN	1	1	12.1	WDM	804	FLOW	ENGL	REPL	
COPY	604	OUTPUT	MEAN	1	1	12.1	WDM	904	FLOW	ENGL	REPL	
RCHRES	8	HYDR	RO	1	1	1	WDM	1068	FLOW	ENGL	REPL	
RCHRES	8	HYDR	O	1	1	1	WDM	1069	FLOW	ENGL	REPL	

RCHRES	8	HYDR	0	2	1	1	WDM	1070	FLOW	ENGL	REPL
RCHRES	8	HYDR	STAGE	1	1	1	WDM	1071	STAG	ENGL	REPL
RCHRES	7	HYDR	STAGE	1	1	1	WDM	1072	STAG	ENGL	REPL
RCHRES	7	HYDR	0	1	1	1	WDM	1073	FLOW	ENGL	REPL
RCHRES	10	HYDR	RO	1	1	1	WDM	1074	FLOW	ENGL	REPL
RCHRES	10	HYDR	0	1	1	1	WDM	1075	FLOW	ENGL	REPL
RCHRES	10	HYDR	0	2	1	1	WDM	1076	FLOW	ENGL	REPL
RCHRES	10	HYDR	STAGE	1	1	1	WDM	1077	STAG	ENGL	REPL
RCHRES	9	HYDR	STAGE	1	1	1	WDM	1078	STAG	ENGL	REPL
RCHRES	9	HYDR	0	1	1	1	WDM	1079	FLOW	ENGL	REPL
RCHRES	12	HYDR	RO	1	1	1	WDM	1080	FLOW	ENGL	REPL
RCHRES	12	HYDR	0	1	1	1	WDM	1081	FLOW	ENGL	REPL
RCHRES	12	HYDR	0	2	1	1	WDM	1082	FLOW	ENGL	REPL
RCHRES	12	HYDR	STAGE	1	1	1	WDM	1083	STAG	ENGL	REPL
RCHRES	11	HYDR	STAGE	1	1	1	WDM	1084	STAG	ENGL	REPL
RCHRES	11	HYDR	0	1	1	1	WDM	1085	FLOW	ENGL	REPL
RCHRES	14	HYDR	RO	1	1	1	WDM	1086	FLOW	ENGL	REPL
RCHRES	14	HYDR	0	1	1	1	WDM	1087	FLOW	ENGL	REPL
RCHRES	14	HYDR	0	2	1	1	WDM	1088	FLOW	ENGL	REPL
RCHRES	14	HYDR	STAGE	1	1	1	WDM	1089	STAG	ENGL	REPL
RCHRES	13	HYDR	STAGE	1	1	1	WDM	1090	STAG	ENGL	REPL
RCHRES	13	HYDR	0	1	1	1	WDM	1091	FLOW	ENGL	REPL
RCHRES	16	HYDR	RO	1	1	1	WDM	1092	FLOW	ENGL	REPL
RCHRES	16	HYDR	0	1	1	1	WDM	1093	FLOW	ENGL	REPL
RCHRES	16	HYDR	0	2	1	1	WDM	1094	FLOW	ENGL	REPL
RCHRES	16	HYDR	STAGE	1	1	1	WDM	1095	STAG	ENGL	REPL
RCHRES	15	HYDR	STAGE	1	1	1	WDM	1096	STAG	ENGL	REPL
RCHRES	15	HYDR	0	1	1	1	WDM	1097	FLOW	ENGL	REPL

END EXT TARGETS

MASS-LINK

<Volume>	<-Grp>	<-Member-><--Mult-->	<Target>	<-Grp>	<-Member->***
<Name>		<Name> # #<-factor->	<Name>		<Name> # #***
MASS-LINK		2			
PERLND	PWATER	SURO	0.083333	RCHRES	INFLOW IVOL
END MASS-LINK		2			
MASS-LINK		5			
IMPLND	IWATER	SURO	0.083333	RCHRES	INFLOW IVOL
END MASS-LINK		5			
MASS-LINK		8			
RCHRES	OFLOW	OVOL	2	RCHRES	INFLOW IVOL
END MASS-LINK		8			
MASS-LINK		12			
PERLND	PWATER	SURO	0.083333	COPY	INPUT MEAN
END MASS-LINK		12			
MASS-LINK		13			
PERLND	PWATER	IFWO	0.083333	COPY	INPUT MEAN
END MASS-LINK		13			
MASS-LINK		15			
IMPLND	IWATER	SURO	0.083333	COPY	INPUT MEAN
END MASS-LINK		15			
MASS-LINK		17			
RCHRES	OFLOW	OVOL	1	COPY	INPUT MEAN
END MASS-LINK		17			

END MASS-LINK

END RUN

Mitigated HSPF Message File

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1964/ 5/31 24: 0

RCHRES : 13

RELERR	STORS	STOR	MATIN	MATDIF
-2.204E-02	0.00000	0.0000E+00	0.00000	4.6786E-12

Where:

RELERR is the relative error (ERROR/REFVAL).

ERROR is (STOR-STORS) - MATDIF.

REFVAL is the reference value (STORS+MATIN).

STOR is the storage of material in the processing unit (land-segment or reach/reservoir) at the end of the present interval.

STORS is the storage of material in the pu at the start of the present printout reporting period.

MATIN is the total inflow of material to the pu during the present printout reporting period.

MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1966/10/31 24: 0

RCHRES : 13

RELERR	STORS	STOR	MATIN	MATDIF
-7.039E-02	0.00000	0.0000E+00	0.00000	3.3135E-12

Where:

RELERR is the relative error (ERROR/REFVAL).

ERROR is (STOR-STORS) - MATDIF.

REFVAL is the reference value (STORS+MATIN).

STOR is the storage of material in the processing unit (land-segment or reach/reservoir) at the end of the present interval.

STORS is the storage of material in the pu at the start of the present printout reporting period.

MATIN is the total inflow of material to the pu during the present printout reporting period.

MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1968/ 5/31 24: 0

RCHRES : 13

RELERR	STORS	STOR	MATIN	MATDIF
-2.852E-02	0.00000	0.0000E+00	0.00000	2.9886E-12

Where:

RELERR is the relative error (ERROR/REFVAL).
ERROR is (STOR-STORS) - MATDIF.
REFVAL is the reference value (STORS+MATIN).
STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.
STORS is the storage of material in the pu at the start of the present printout reporting period.
MATIN is the total inflow of material to the pu during the present printout reporting period.
MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1969/ 6/30 24: 0

RCHRES : 13

RELERR	STORS	STOR	MATIN	MATDIF
-5.995E-02	0.00000	0.0000E+00	0.00000	3.6135E-12

Where:

RELERR is the relative error (ERROR/REFVAL).
ERROR is (STOR-STORS) - MATDIF.
REFVAL is the reference value (STORS+MATIN).
STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.
STORS is the storage of material in the pu at the start of the present printout reporting period.
MATIN is the total inflow of material to the pu during the present printout reporting period.
MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1969/ 8/31 24: 0

RCHRES : 13

RELERR	STORS	STOR	MATIN	MATDIF
-1.470E-01	0.00000	0.0000E+00	0.00000	1.6784E-12

Where:

RELERR is the relative error (ERROR/REFVAL).
ERROR is (STOR-STORS) - MATDIF.

REFVAL is the reference value (STORS+MATIN).
STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.
STORS is the storage of material in the pu at the start of the present printout reporting period.
MATIN is the total inflow of material to the pu during the present printout reporting period.
MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

The count for the WARNING printed above has reached its maximum.

If the condition is encountered again the message will not be repeated.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1985/ 6/30 24: 0

RCHRES : 7

RELERR	STORS	STOR	MATIN	MATDIF
-1.000E+00	0.00000	0.0000E+00	0.00000	7.5651E-13

Where:

RELERR is the relative error (ERROR/REFVAL).
ERROR is (STOR-STORS) - MATDIF.
REFVAL is the reference value (STORS+MATIN).
STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.
STORS is the storage of material in the pu at the start of the present printout reporting period.
MATIN is the total inflow of material to the pu during the present printout reporting period.
MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 1985/ 6/30 24: 0

RCHRES : 11

RELERR	STORS	STOR	MATIN	MATDIF
-1.000E+00	0.00000	0.0000E+00	0.00000	4.5390E-13

Where:

RELERR is the relative error (ERROR/REFVAL).
ERROR is (STOR-STORS) - MATDIF.
REFVAL is the reference value (STORS+MATIN).
STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.
STORS is the storage of material in the pu at the start of the present printout reporting period.
MATIN is the total inflow of material to the pu during the present printout reporting period.

MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 2001/ 5/31 24: 0

RCHRES : 7

RELERR	STORS	STOR	MATIN	MATDIF
-1.000E+00	0.00000	0.0000E+00	0.00000	2.2946E-12

Where:

RELERR is the relative error (ERROR/REFVAL).

ERROR is (STOR-STORS) - MATDIF.

REFVAL is the reference value (STORS+MATIN).

STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.

STORS is the storage of material in the pu at the start of the present printout reporting period.

MATIN is the total inflow of material to the pu during the present printout reporting period.

MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

ERROR/WARNING ID: 238 1

The continuity error reported below is greater than 1 part in 1000 and is therefore considered high.

Did you specify any "special actions"? If so, they could account for it.

Relevant data are:

DATE/TIME: 2001/ 5/31 24: 0

RCHRES : 11

RELERR	STORS	STOR	MATIN	MATDIF
-1.000E+00	0.00000	0.0000E+00	0.00000	1.3768E-12

Where:

RELERR is the relative error (ERROR/REFVAL).

ERROR is (STOR-STORS) - MATDIF.

REFVAL is the reference value (STORS+MATIN).

STOR is the storage of material in the processing unit (land-segment or reach/reservior) at the end of the present interval.

STORS is the storage of material in the pu at the start of the present printout reporting period.

MATIN is the total inflow of material to the pu during the present printout reporting period.

MATDIF is the net inflow (inflow-outflow) of material to the pu during the present printout reporting period.

Disclaimer

Legal Notice

This program and accompanying documentation are provided 'as-is' without warranty of any kind. The entire risk regarding the performance and results of this program is assumed by End User. Clear Creek Solutions Inc. and the governmental licensee or sublicensees disclaim all warranties, either expressed or implied, including but not limited to implied warranties of program and accompanying documentation. In no event shall Clear Creek Solutions Inc. be liable for any damages whatsoever (including without limitation to damages for loss of business profits, loss of business information, business interruption, and the like) arising out of the use of, or inability to use this program even if Clear Creek Solutions Inc. or their authorized representatives have been advised of the possibility of such damages. Software Copyright © by : Clear Creek Solutions, Inc. 2005-2016; All Rights Reserved.

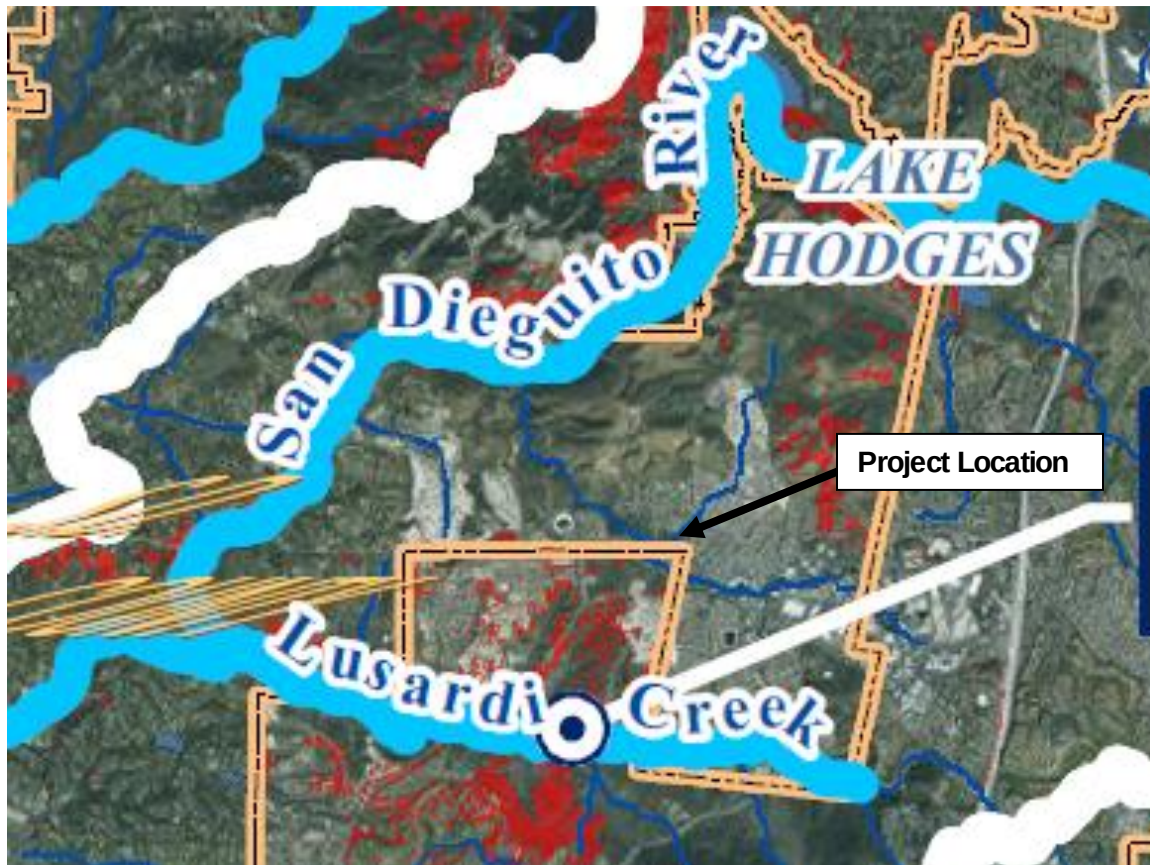
Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

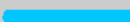
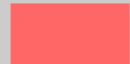
www.clearcreeksolutions.com

ATTACHMENT 2c**Management of Critical Coarse Sediment Yield Areas**

Excerpt from County "Potential Critical Coarse Sediment Yield Areas" Exhibit

There are no Potential Critical Coarse Sediment Yield Areas on the project site or upstream of the project.

**Legend**

-  Regional WMAA Streams
-  Watershed Boundaries
-  Municipal Boundaries
-  Rivers & Streams
-  Potential Critical Coarse Sediment Yield Areas

ATTACHMENT 3**Structural BMP Maintenance Information**

This is the cover sheet for Attachment 3.

This Attachment will be included in the Final SWMP.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 3a	Structural BMP Maintenance Plan (Required)	☒ Included See Structural BMP Maintenance Information Checklist on the back of this Attachment cover sheet.
Attachment 3b	Draft Stormwater Maintenance Notification / Agreement (when applicable)	☐ Included ☐ Not Applicable

Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment:

Attachment 3a must identify:

- ☐ Specific maintenance indicators and actions for proposed structural BMP(s). This must be based on Section 7.7 of the BMP Design Manual and enhanced to reflect actual proposed components of the structural BMP(s)
- ☐ How to access the structural BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management

Attachment 3b: For all Structural BMPs, Attachment 3b must include a draft maintenance agreement in the County's standard format depending on the Category (PDP applicant to contact County staff to obtain the current maintenance agreement forms). Refer to Section 7.3 in the BMP Design Manual for a description of the different categories.

ATTACHMENT 3a

Maintenance Plan

(To be completed with final plans.)

I. Inspection, Maintenance Log and Self-Verification Forms

Bio-Filtration planters and porous pavers are BMPs that have minimal maintenance responsibilities, and are typical for commercial land uses. The proposed BMPs inherently "take care of themselves", or property owners can naturally be expected to do so as an incident of taking care of their property.)

The Property Owner will be responsible for maintenance of the BMPs and will provide annual documentation to the County verifying that the BMPs are maintained and functioning properly. The Property Owner is to use the "Private Treatment Control BMP Operation and Maintenance Verification Form" included at the back of this Attachment.

II. Updates, Revisions and Errata

This maintenance plan is a "living document" and must be kept up-to-date.

As such, this plan must be updated whenever changes or revisions are made in the parties responsible for operation and maintenance of the BMPs and/or it is determined that additional maintenance procedures are needed.

Any updates or revisions to the maintenance plan must accompany the annual inspection report when it is transmitted to the county.

III. Introduction

- A. Narrative overview describing the site; drainage areas, routing, and discharge points; and treatment facilities.

The project consists of the construction of a church on the site with a 1,500 seat main sanctuary. The main church building will include a 25,000 square foot sanctuary with ancillary fellowship halls. Classrooms and recreation areas will be located in four detached smaller structures of about 10,000 square feet each. The project will also include the construction of a parking lot to accommodate roughly 417 vehicles with overflow. There will also be outdoor patios, and walkways between the buildings as well as landscaped areas around the perimeter of the parking lot, in islands within the parking lot and between the buildings.

A 300 foot long offsite private access road, Grace Way, will be built to serve the project connecting it to Four Gee Road. The construction of the access road will include grading and porous A.C. paving as well as the installation of some public utilities.

The storm runoff on the site will be directed via surface flows to 18 bio-filtration planters located throughout the site. The development will also include porous pavement with gravel beds and perforated pipe under drains. Concrete pavers and areas of D.G. parking will be incorporated into the project to reduce the impervious footprint.

The developed project will include 3 on-site storm drain systems. One system will convey storm water runoff from the easterly side of the site to an outlet in the open space area north of the site. The system will include overflow inlets from the bio-filtration planters as well as connections to the sub-drains under the bio-filtration areas and the porous pavements. This system will also collect the runoff from south of the site and convey it through the site.

The second system will convey storm water runoff from the northwesterly side of the site to an outlet in the open space area near the northeast corner of the site. The system will include overflow inlets from the bio-filtration planters as well as connections to the sub-drains under the bio-filtration areas and the porous pavements.

The third system will convey storm water runoff from the southwesterly side of the site to an outlet and connect to the culvert under the private road, Grace Way near Four Gee Road. The system will include overflow inlets from the bio-filtration planters as well as connections to the sub-drains under the bio-filtration areas and the porous pavements. The culvert under Grace Way will also convey runoff from the area south of the site.

The project includes a number of Treatment Control/LID BMP's which are summarized in the Table 14 in Section V.B.(2) below.

IV. Responsibility for Maintenance

B. General

(1) Name and contact information for responsible individual(s).

The property owner for the project will be responsible for the maintenance of the Bio-Filtration planters and porous pavement treating the flows from the proposed development. The project owner will be responsible for maintaining records, filing annual reports and ensuring that the required maintenance is performed. At the current time, the contact party is:

Chinese Bible Church

16919 Four Gee Rd.

San Diego, CA

If the project ownership is transferred, the responsibilities outlined herein will be transferred to the new owners.

(2) Operation and Maintenance Agreement.

The maintenance agreement between the property owner and the County is included at the back of this Attachment.

(3) Maintenance Funding

i. Sources of funds for maintenance

The funding for the annual maintenance of the BMP's will be provided by the property owner.

ii. Budget category or line item

The maintenance for the BMPs will be part of the annual maintenance budget for the Church.

iii. Description of procedure and process for ensuring adequate funding for maintenance

The funding will be provided by Property Owner.

C. Records

All records for the maintenance and operation of the BMPs will be kept by the Property Owner.

D. Safety

All employees and/or contractors hired by the Property Owner to perform maintenance on the BMPs will have adequate safety training and follow all CAL/OSHA guidelines.

V. Summary of Drainage Areas and Stormwater Facilities

A. Drainage Areas

- (1) Drawings showing pervious and impervious areas (copied or adapted from initial SWQMP).

Attachment 1c – DMA Map from the SWQMP shows the location of the BMPs. The exhibit also indicates the pervious and impervious areas which are draining into the BMPs.

B. Treatment and Flow-Control Facilities

- (1) Drawings showing location and type of each facility

Attachment 1c – DMA Map from the SWQMP shows the location of the BMPs. The exhibit also indicates the pervious and impervious areas which are draining into the BMPs.

- (2) General description of each facility (Consider a table if more than two facilities)
The project includes a number of Treatment Control/LID BMP's which are summarized in the Table V.1 below.

TABLE V.1: PROJECT SPECIFIC LID AND TC-BMPS

Treatment Control BMPs (TCBMPs)		
Description/Type	Location	Plan Sheet
IMP:201 Bio-Filtration	Corner of the parking lot SE of the classroom buildings.	
IMP:204 Bio-Filtration	Corner of the parking lot NE of the tot lot.	
IMP:205 Bio-Filtration	NE corner of the project site.	
IMP:206 Bio-Filtration	N side of the parking lot N of the tot lot.	
IMP:207 Bio-Filtration	N side of the parking lot NE of IMP:206	
IMP:208 Bio-Filtration	In parking lot E of multi-purpose building, SW of sanctuary building.	
IMP:209 Bio-Filtration	SW of classroom buildings on edge of parking lot.	
IMP:210 Bio-Filtration	Large depressed landscaped area between sanctuary and classroom buildings.	
IMP:211 Bio-Filtration	N side of sanctuary building.	
IMP:212 Bio-Filtration	N side of parking lot N of sanctuary building.	
IMP:213 Bio-Filtration	N side of multi-purpose building W of sanctuary building.	
IMP:214 Bio-Filtration	N side of parking lot, NW of multi-purpose building W of sanctuary building.	
IMP:215 Bio-Filtration	W side of parking lot, W of multi-purpose building.	
IMP:216 Bio-Filtration	W side of parking lot, N side of entrance to site.	
IMP:217 Bio-Filtration	S side of parking lot, SW of multi-purpose building	
IMP:218 Bio-Filtration	S side of parking lot, S of drop-off circle.	
IMP:219 Bio-Filtration	Center of drop-off circle.	
IMP:220 Bio-Filtration	S side of parking lot, S of entrance to site.	
Porous Pavement	SW corner of parking lot	
Porous Pavement	N & W sides of parking lot	
Porous Pavement	Grace Way	

* For location of BMP's, see approved Record Plan dated _____, plan _____

VI. Facility Documentation

- A. "As-built" drawings of each facility
 "As-built" drawings of the BMPs will be kept with the Maintenance Plan after the project is constructed.

VII. Maintenance Schedule or Matrix

- A. Maintenance Schedule for each facility with specific requirements for annual, routine, and after major storm events inspection & maintenance:

Maintenance Schedule or Matrix

Bio-Filtration Planters (Bio-Retention with Underdrains) Inspection and Maintenance Matrix	
Frequency	Maintenance Actions
Quarterly and after rain events.	Remove and properly dispose of accumulated materials, without damage to the vegetation. Repair/re-seed eroded areas and make appropriate corrective measures such as adding erosion control blankets, adding stone at flow entry points, or re-grading where necessary. Abate any potential vectors by filling holes in the ground in and around the facility and by insuring that there are no areas where water stands longer than 48 hours following a storm. Inspect BMPs. Examine the vegetation to ensure that it is healthy and dense enough to provide filtering. Replenish mulch as necessary, remove fallen leaves and debris. Trim plants as appropriate. Confirm that irrigation is adequate and not excessive and that sprays do not directly enter overflow grate. Replace dead plants and remove noxious and invasive vegetation.
Porous Pavement Inspection and Maintenance Matrix	
Frequency	Maintenance Actions
Quarterly	Clean surface using vacuum or sweeping.
After Rain Events	Inspect surface for areas of ponding water. If routine cleaning does not restore infiltration rates, then reconstruction of part of the paver surface may be required. The surface of the area affected should be lifted for inspection of the internal materials to identify the location and extend of the blockage.

PRIVATE TREATMENT CONTROL BMP

OPERATION AND MAINTENANCE VERIFICATION FORM

BIOFILTRATION FACILITIES, VEGETATED SWALES & HIGHER RATE BIOFILTERS

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____

BMP Location: _____

Responsible Party: _____

Phone Number: (____) _____ Email: _____

Responsible Party Address: _____

Number Street Name & Suffix City/Zip

☐ Check here for Address/Phone Number Change

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the fiscal year (July 1 – June 30), and date(s) maintenance was performed. Under "Results of Inspection," indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and a description of the maintenance.

REFER TO SIDE 2 OF THIS SHEET FOR MORE INFORMATION DESCRIBING TYPICAL MAINTENANCE INDICATORS AND MAINTENANCE ACTIVITIES.

If no maintenance was required based on the inspection results, state "no maintenance required."

What To Look For?	Date Inspected	Results of Inspection: Work needed? (yes/no)	Date Maintenance Completed and Description of Maintenance Conducted
Accumulation of Sediment, Litter, Grease			
Standing Water			
Erosion			
Overgrown Vegetation			
Poor Vegetation Establishment			
Structural Damage			

3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records).

4. Sign the bottom of the form and return to:

County of San Diego Watershed Protection Program

Treatment Control BMP Tracking

5201 Ruffin Road, Suite P, MS 0326

San Diego, CA 92123

OR

Email: Watersheds@sdcounty.ca.gov

Signature of Responsible Party

Print Name

Date

PRIVATE TREATMENT CONTROL BMP

OPERATION AND MAINTENANCE VERIFICATION FORM

BIOFILTRATION FACILITIES, VEGETATED SWALES & HIGHER RATE BIOFILTERS-SIDE 2

This guide sheet provides general indicators for maintenance only and for a wide array of treatment control BMPs. Your developer prepared maintenance plans specifically for your treatment control BMP as an appendix to the Stormwater Management Plan. Also, if you have a manufactured structure, please refer to the manufacturer's maintenance instructions.

Biofilters Include:

☐ Vegetated Filter Strip ☐ Vegetated Swale ☐ Bioretention Facility ☐ Planter Boxes ☐ Manufactured Higher-Flow-Rate Biofilters, such as Tree-Pit-Style Units.

Routine maintenance is needed to ensure that flow is unobstructed, that erosion is prevented, and that soils are held together by plant roots and are biologically active. Typical maintenance consists of the following:

Bioretention BMPs Inspection and Maintenance Checklist	
Typical Maintenance Indicators	Typical Maintenance Actions
Accumulation of sediment (over 2 inches deep or covers vegetation), litter, or debris	Remove and properly dispose of accumulated materials, without damage to the vegetation. Confirm that soil is not clogging and that the area drains after a storm event. Till or replace soil as necessary.
Poor vegetation establishment	Ensure vegetation is healthy and dense enough to provide filtering and to protect soils from erosion. Replenish mulch as necessary (if less than 3 inches deep), remove fallen leaves and debris, prune large shrubs or trees, and mow turf areas.
Overgrown vegetation—woody vegetation not part of design is present and grass excessively tall (greater than 10 inches)	Mow or trim as appropriate, but not less than the design height of the vegetation (typically 4-6 inches for grass). Confirm that irrigation is adequate and not excessive and that sprays do not directly enter overflow grates. Replace dead plants and remove noxious and invasive weeds
Erosion due to concentrated irrigation flow	Repair/re-seed eroded areas and adjust the irrigation.
Erosion due to concentrated stormwater runoff flow	Repair/re-seed eroded areas and make appropriate corrective measures such as adding erosion control blankets, adding stone at flow entry points, or re-grading where necessary. Remove obstructions and sediment accumulations so water disperses.

Standing water (BMP not draining) . If mosquito larvae are present and persistent, contact the San Diego County Vector Control Program at (858) 694-2888. Mosquito larvicides should be applied only when absolutely necessary and then only by a licensed individual or contractor.	Where there is an underdrain, such as in planter boxes and manufactured biofilters, check the underdrain piping to make sure it is intact and unobstructed. Abate any potential vectors by filling holes in the ground in and around the biofilter facility and by insuring that there are no areas where water stands longer than 96 hours following a storm.
Obstructed inlet or outlet structure	Clear obstructions.
Damage to structural components such as weirs, inlet, or outlet structures	Repair or replace as applicable.
Before the wet season and after rain events: remove sediment and debris from screens and overflow drains and downspouts; ensure pumps are functioning, where applicable; check integrity of mosquito screens; and; check that covers are properly seated and locked.	Where cisterns are part of the system
For manufactured high-flow-rate biofilters, see manufacturer's maintenance guidelines	

ATTACHMENT 4

**County of San Diego PDP Structural BMP Verification for
Permitted Land Development Projects**

This page was left intentionally blank.

County of San Diego BMP Design Manual Verification Form	
Project Summary Information	
Project Name	
Record ID (e.g., grading/improvement plan number)	
Project Address	
Assessor's Parcel Number(s) (APN(s))	
Project Watershed (Complete Hydrologic Unit, Area, and Subarea Name with Numeric Identifier)	
Responsible Party for Construction Phase	
Developer's Name	
Address	
Email Address	
Phone Number	
Engineer of Work	
Engineer's Phone Number	
Responsible Party for Ongoing Maintenance	
Owner's Name(s)*	
Address	
Email Address	
Phone Number	
*Note: If a corporation or LLC, provide information for principal partner or Agent for Service of Process. If an HOA, provide information for the Board or property manager at time of project closeout.	

County of San Diego BMP Design Manual Verification Form Page 2 of 4					
Stormwater Structural Pollutant Control & Hydromodification Control BMPs* (List all from SWQMP)					
Description/Type of Structural BMP	Plan Sheet #	STRUCTURAL BMP ID#	Maintenance Category	Maintenance Agreement Recorded Doc #	Revisions
Bio-Filtration		IMP:201	1		
Bio-Filtration		IMP:204	1		
Bio-Filtration		IMP:205	1		
Bio-Filtration		IMP:206	1		
Bio-Filtration		IMP:207	1		
Bio-Filtration		IMP:208	1		
Bio-Filtration		IMP:209	1		
Bio-Filtration		IMP:210	1		
Bio-Filtration		IMP:211	1		
Bio-Filtration		IMP:212	1		
Bio-Filtration		IMP:213	1		
Bio-Filtration		IMP:214	1		
Bio-Filtration		IMP:215	1		
Bio-Filtration		IMP:216	1		
Bio-Filtration		IMP:217	1		
Bio-Filtration		IMP:218	1		
Bio-Filtration		IMP:219	1		
Bio-Filtration		IMP:220	1		
SW Porous Pavement		DMA 3,5 & 61			
NW Porous Pavement		DMA 85,95,103 & 108			
Grace Way Porous Pavement		DMA 170			
*All Priority Development Projects (PDPs) require a Structural BMP					

Note: If this is a partial verification of Structural BMPs, provide a list and map denoting Structural BMPs that have already been submitted, those for this submission, and those anticipated in future submissions.

County of San Diego BMP Design Manual Verification Form Page 3 of 4**Checklist for Applicant to submit to PDCI:**

- ☐ Copy of the final accepted SWQMP and any accepted addendum.
- ☐ Copy of the most current plan showing the Stormwater Structural BMP Table, plans/cross-section sheets of the Structural BMPs and the location of each verified as-built Structural BMP.
- ☐ Photograph of each Structural BMP.
- ☐ Photograph(s) of each Structural BMP during the construction process to illustrate proper construction.
- ☐ Copy of the approved Structural BMP maintenance agreement and associated security

By signing below, I certify that the Structural BMP(s) for this project have been constructed and all BMPs are in substantial conformance with the approved plans and applicable regulations. I understand the County reserves the right to inspect the above BMPs to verify compliance with the approved plans and Watershed Protection Ordinance (WPO). Should it be determined that the BMPs were not constructed to plan or code, corrective actions may be necessary before permits can be closed.

Please sign your name and seal.

Professional Engineer's Printed Name:

Professional Engineer's Signed Name:

Date:

SEAL

COUNTY - OFFICIAL USE ONLY:

For PDCI: Verification Package #: _____

PDCI Inspector: _____

Date Project has/expects to close: _____

Date verification received from EOW: _____

By signing below, PDCI Inspector concurs that every noted Structural BMP has been installed per plan.

PDCI Inspector's Signature: _____ Date: _____

FOR WPP:

Date Received from PDCI: _____

WPP Submittal Reviewer: _____

WPP Reviewer concurs that the information provided for the following Structural BMPs is acceptable to enter into the Structural BMP Maintenance verification inventory:

List acceptable Structural BMPs:

WPP Reviewer's Signature: _____ Date: _____

ATTACHMENT 5**Copy of Plan Sheets Showing Permanent Storm Water BMPs,
Source Control, and Site Design**

This is the cover sheet for Attachment 5.
This Attachment will be included on the Final SWMP.

Use this checklist to ensure the required information has been included on the plans:

The plans must identify:

- ☐ Structural BMP(s) with ID numbers matching Step 6 Summary of PDP Structural BMPs
- ☐ The grading and drainage design shown on the plans must be consistent with the delineation of DMAs shown on the DMA exhibit
- ☐ Details and specifications for construction of structural BMP(s)
- ☐ Signage indicating the location and boundary of structural BMP(s) as required by County staff
- ☐ How to access the structural BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
- ☐ Include landscaping plan sheets showing vegetation requirements for vegetated structural BMP(s)
- ☐ All BMPs must be fully dimensioned on the plans
- ☐ When proprietary BMPs are used, site-specific cross section with outflow, inflow, and model number must be provided. Photocopies of general brochures are not acceptable.
- ☐ Include all source control and site design measures described in Steps 4 and 5 of the SWQMP. Can be included as a separate exhibit as necessary.

This page was left intentionally blank.

ATTACHMENT 6

Copy of Project's Drainage Report

This is the cover sheet for Attachment 6.

If hardcopy or CD is not attached, the following information should be provided:

Title: CEQA Drainage Study for MUP-10-037/REZ 10-004

Prepared By: MLB Engineering

Date: 1/20/2014

This page was left intentionally blank.

ATTACHMENT 7

Copy of Project's Geotechnical and Groundwater Investigation Report

This is the cover sheet for Attachment 7.

A Geotechnical Report was not required for Preliminary Review. At the time of final plans one will be prepared and included herein.

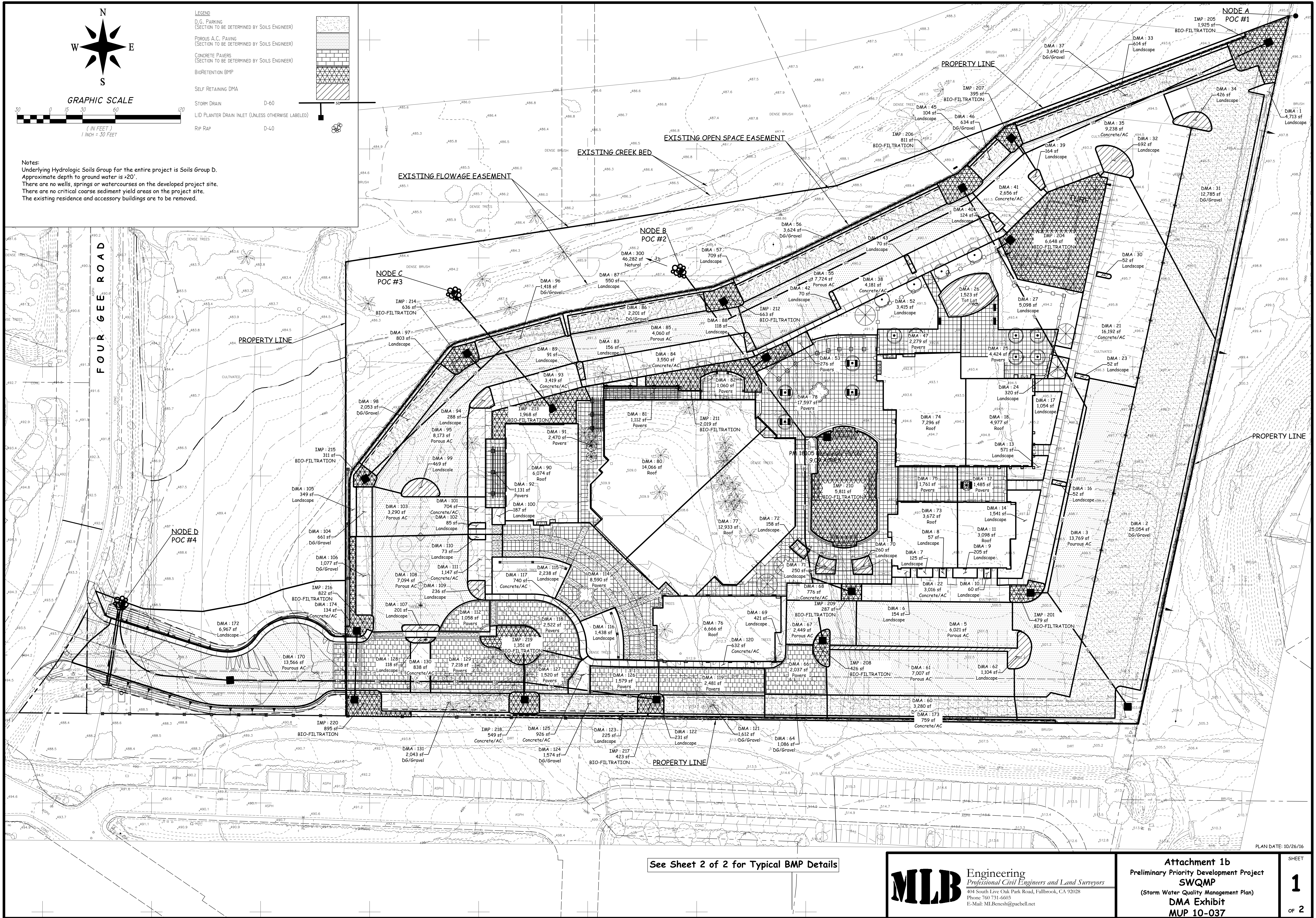
If hardcopy or CD is not attached, the following information should be provided:

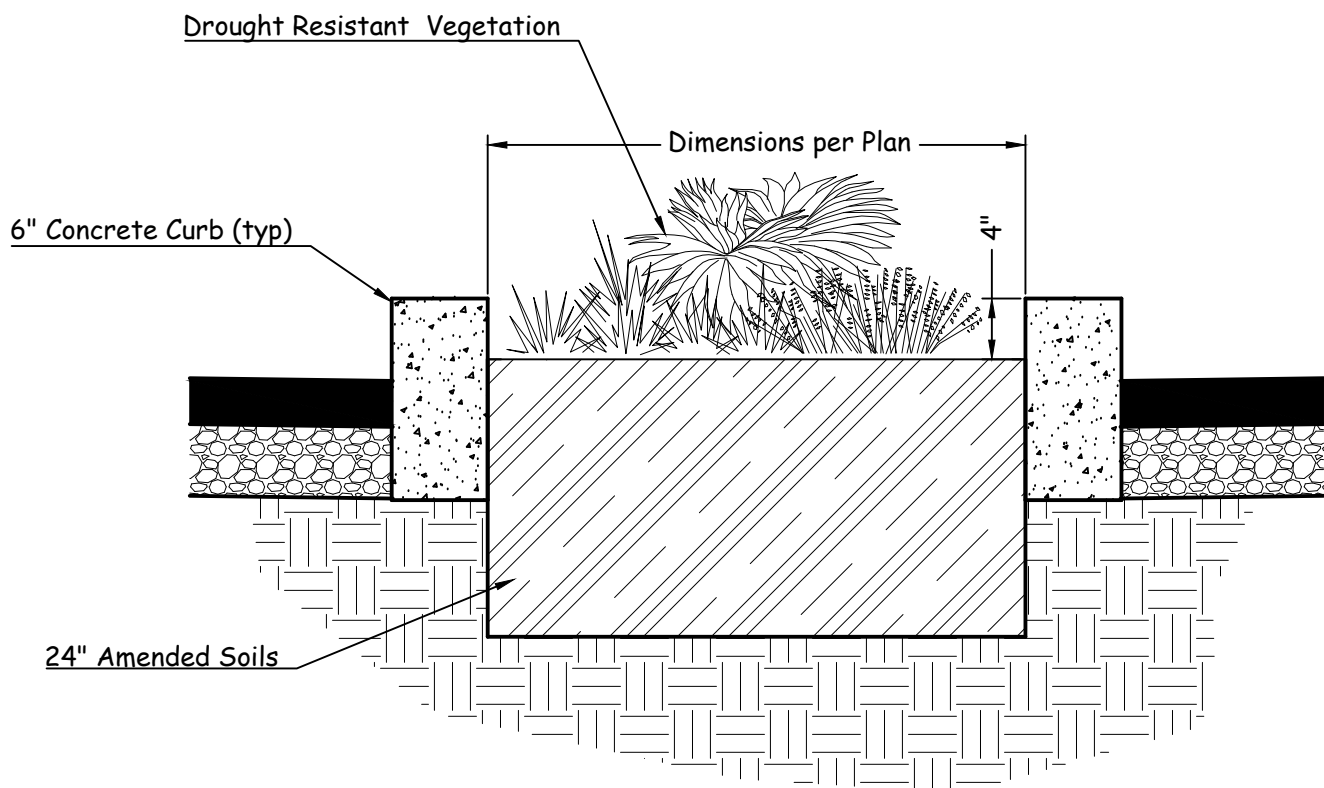
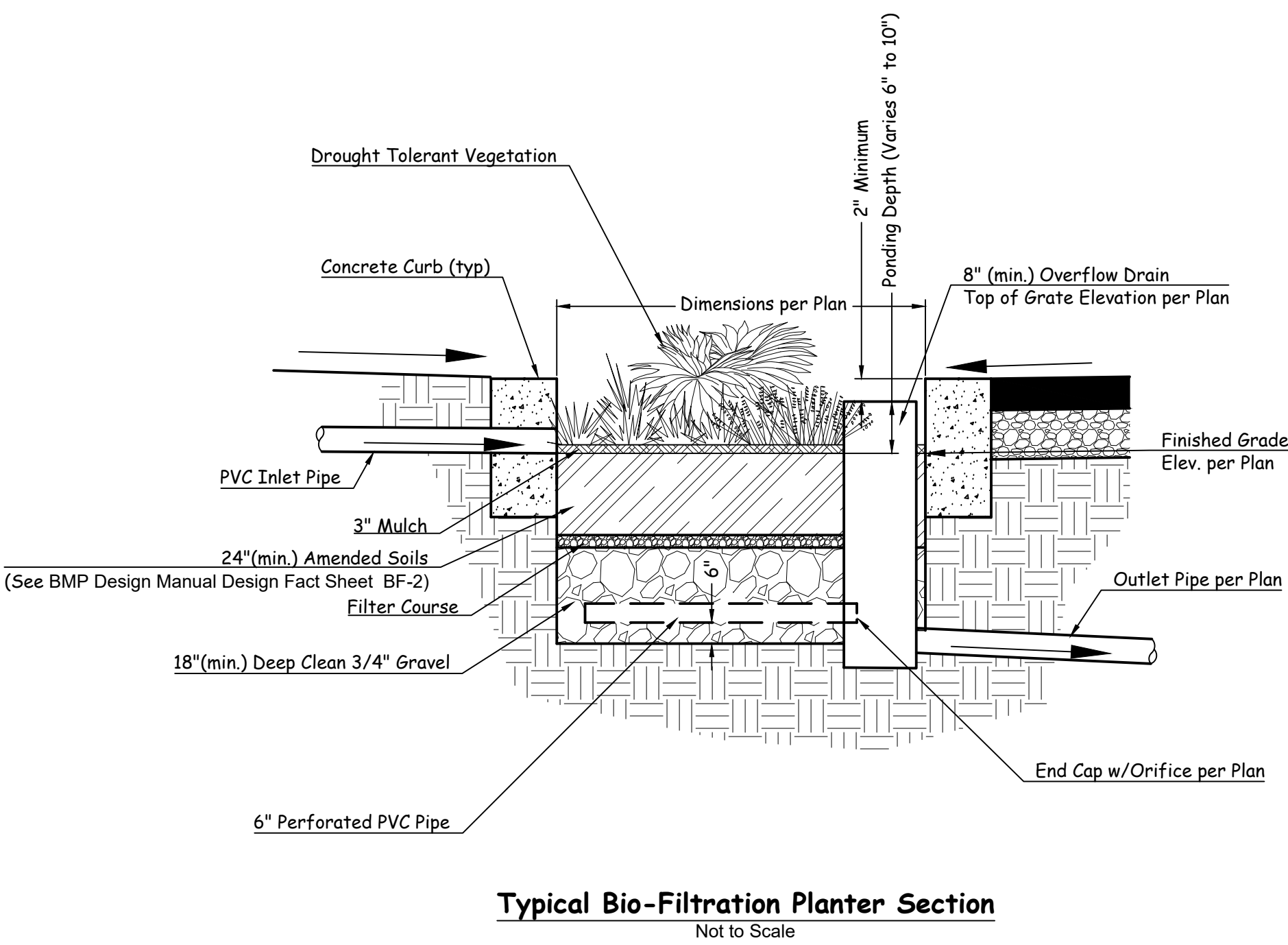
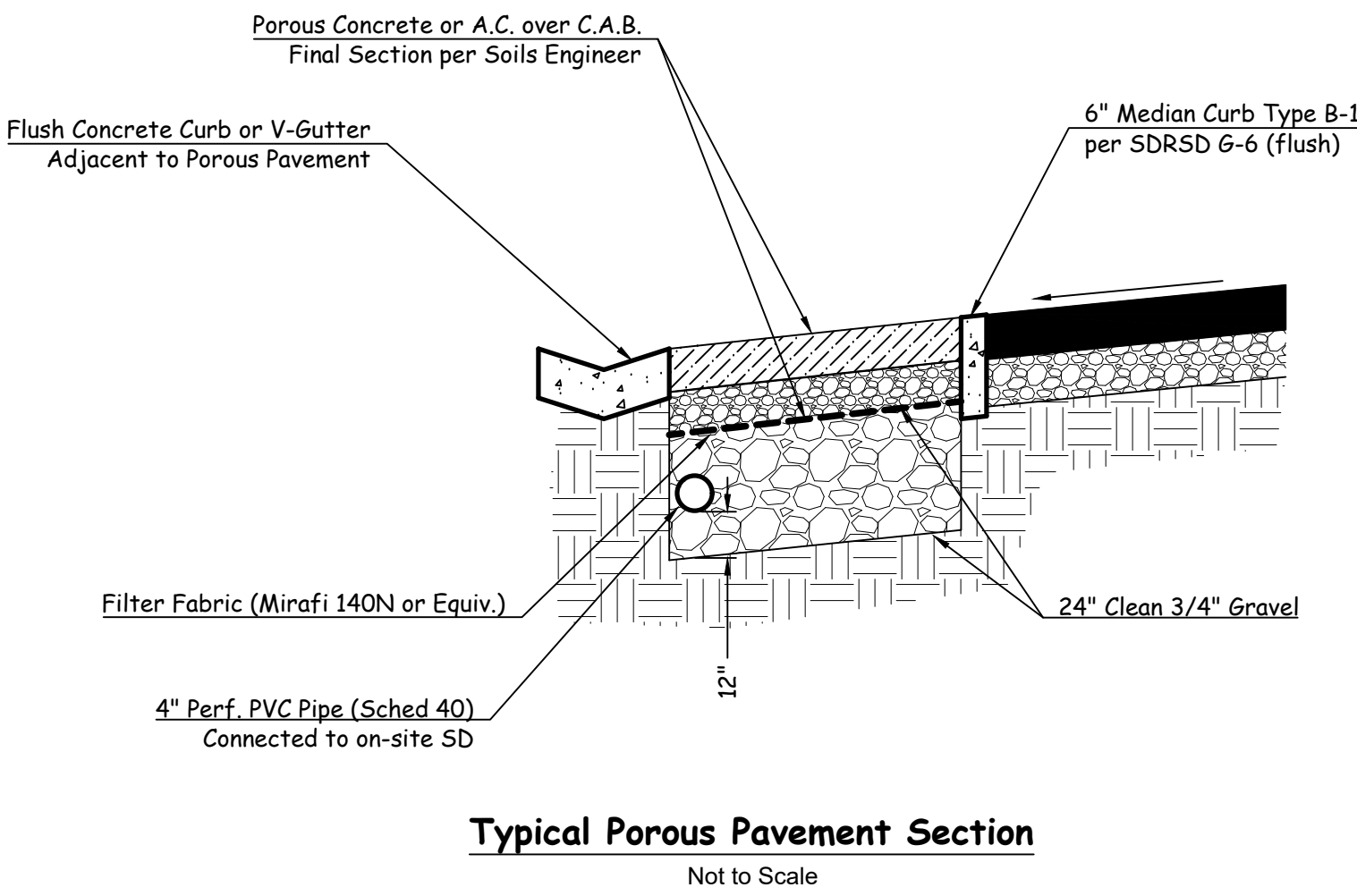
Title:

Prepared By:

Date:

This page was left intentionally blank.



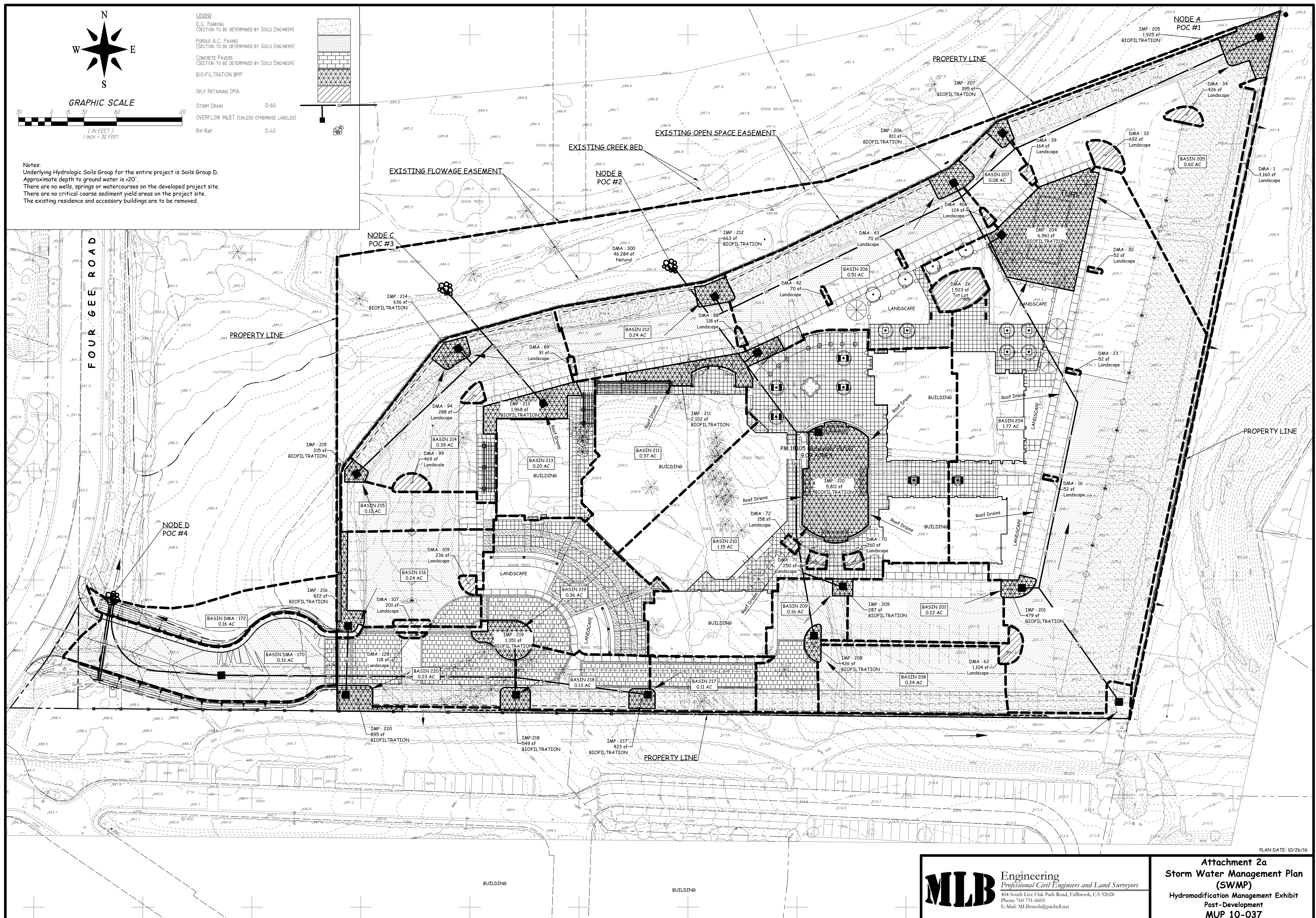


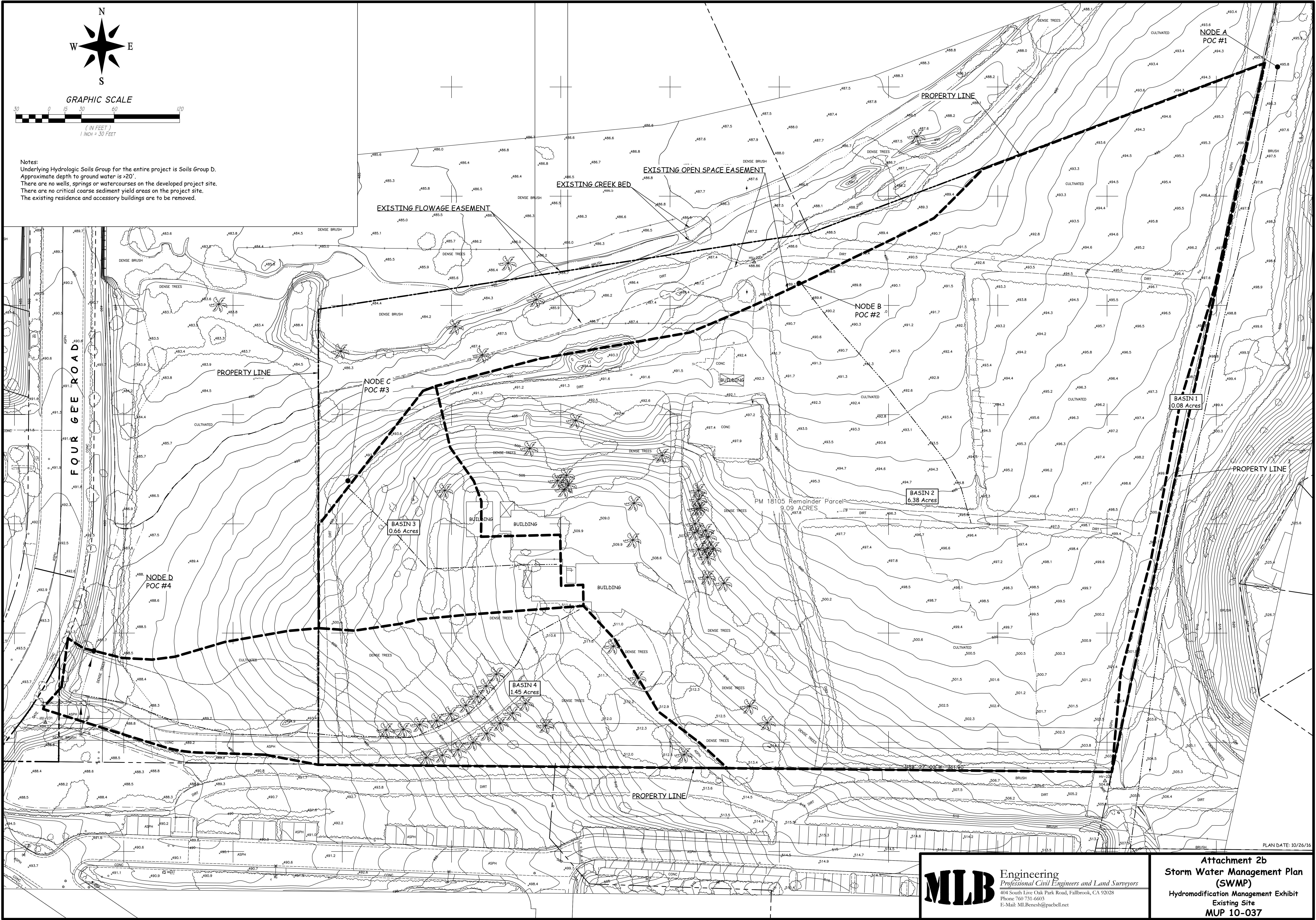
Basin 1 -Self-Retaining Planters	
DMA	Area (SF)
DMA: 16	52
DMA: 23	52
DMA: 26	1523
DMA: 30	52
DMA: 32	692
DMA: 34	426
DMA: 39	164
DMA: 40	124
DMA: 42	70
DMA: 43	70
DMA: 70	260
DMA: 71	250
DMA: 72	158
DMA: 88	118
DMA: 89	91
Total=	4102

Basin 2 -Self-Retaining Planters	
DMA	Area (SF)
DMA: 94	288
DMA: 99	469
Total=	757

Basin 3 -Self-Retaining Planters	
DMA	Area (SF)
DMA: 107	201
DMA: 109	236
DMA: 128	118
Total=	555

Note:
The self retaining planters do not collect any runoff from adjoining areas.





Notes:
Underlying Hydrologic Soils Group for the entire project is Soils Group D.
Approximate depth to ground water is +20'.
There are no wells, springs or watercourses on the developed project site.
There are no critical coarse sediment yield areas on the project site.
The existing residence and accessory buildings are to be removed.

MLB Engineering
Professional Civil Engineers and Land Surveyors
404 South Live Oak Park Road, Fallbrook, CA 92028
Phone 760 731-6603
E-Mail: MLBenes@pacbell.net

Attachment 2b
Storm Water Management Plan
(SWMP)
Hydromodification Management Exhibit
Existing Site
MUP 10-037