Conservation Meadows Subdivision – Phase 2 City of Waterloo Functional Servicing and Stormwater Management Report Revised May 2020



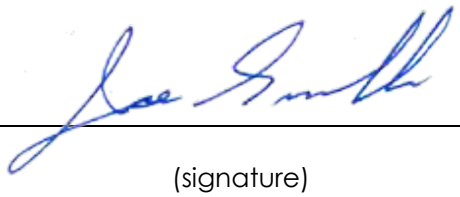
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Columbia Corporate Centre
55 Columbia Street East, Suite 1
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Prepared by:
Stantec Consulting Ltd.
100-300 Hagey Boulevard
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603-08671
May 2020

Sign-off Sheet

This document entitled Conservation Meadows Subdivision – Phase 2, City of Waterloo, Functional Servicing and Stormwater Management Report Revised May 2020, was prepared by Stantec Consulting Ltd. ("Stantec") for the account of Activa Holdings Inc. (the "Client") to support the approval of the Draft Plan for the Conservation Meadows Subdivision – Phase 2 (the "Project"). In connection thereto, this document may be reviewed and used by the provincial and municipal government agencies participating in the process in the normal course of their duties. Except as set forth in the previous sentence, any reliance on this document by any third party for any other purpose is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by 

(signature)

Joe Grubb, C.E.T., L.E.L.
Project Manager

Prepared by 

(signature)

Trevor Fraser, P.Eng.
Surface Water Resources Engineer

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1.0 INTRODUCTION

1.1 GENERAL

A previous version of the Functional Servicing and Stormwater Management Report was completed in September of 2017. Since that time, the proposed Draft Plan has been revised mostly relating to eliminating 2 road connections to Conservation Drive. This results in being able to raise the proposed grades significantly on the south side of the site towards Conservation Drive. This updated report also addresses agency comments received to date.

The purpose of this report is to outline how the subject lands can be developed with municipal services, including sanitary, storm drainage, domestic water and utilities. This report is in support of Draft Plan approval of the subject lands.

Now that sanitary servicing is being planned for the area, Activa Holdings Inc. is proposing to develop Phase 2 of the Conservation Meadows Subdivision.

In reference to Site Location Plan, Figure 1, the site is bounded by Conservation Drive to the south, Roy Schmidt Road to the west, existing Phase 1 residential area to the north and existing residential area to the east.

The site is approximately 8.0 hectares in size and was previously used for agricultural purposes. Since the development of Stage 1, the lands have been vacant.

There is a 2 storey house located in the northwest area of the site with access off Roy Schmidt Road which is planned to be demolished for new development in this area. It is noted that a Record of Site Condition was undertaken in 2016 for the lands of this dwelling. Both the Phase 1 and Phase 2 ESA were completed in 2019 and 2020 respectively.

The North Waterloo Scoped Watershed Study was completed in 2013 and the City of Waterloo is currently completing final design upgrades for Conservation Drive and Beaver Creek Road, which will include sanitary and storm outlets for the development.



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Figure No.
1

Title
SITE LOCATION PLAN

2.0 EXISTING CONDITIONS

2.1 GENERAL

Figure 2 illustrates the existing conditions of the site. The site contains Hydro One twin overhead pole line, a temporary emergency access from the Kawartha Street Stub to Conservation Drive, and a temporary road (Rideau River Street) from Wasaga Crescent to Conservation Drive. The temporary road was constructed without curb and gutter and includes a watermain connection to Conservation Drive.

2.2 EXISTING TOPOGRAPHY

The site slopes from north to south. On the west part of the site existing grades range from approximately 364.0 MASL to 354.5 MASL, resulting in a topographical relief of 9.5 metres. On the east part of the site, existing grades range from approximately 363.0 MASL to 357.0 MASL resulting in a topographical relief of 6.0 metres.

2.3 GEOTECHNICAL CONDITIONS

The subsurface stratigraphy of the site generally comprises of topsoil overlaying native mineral soils. The native deposits comprise primarily silt in the southwest end of the site. The extreme north part of the site comprises glacial fill overlying sand in the east and primarily sand in the west. Topsoil was encountered throughout the property. Topsoil general ranges between 300 mm to 600 mm in thickness. Topsoil in isolated hollows ranges up to 1900 mm thick.

A consolidated Geotechnical Report has been prepared to summarize all recent geotechnical investigations completed on the site.

2.4 GROUNDWATER CONDITIONS

Groundwater monitoring has been used to generate high groundwater contours as shown on Figure 2A. The subdivision revisions resulted in significantly raising the proposed site grading. No significant dewatering is expected during site servicing.

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ELEVATION	+324.311	BOLLARD	BLRD
CONTOUR	349.0	POST	POST
STANDARD IRON BAR	SIB	BELL PEDESTAL	BPED
IRON BAR	IB	HYDRO POLE	HP
CATCHBASIN	CB	GUY WIRE	HGUY
MANHOLE	MH	SIGN	TS
HYDRANT SET	HYD WV	TREES	
		SHRUB	SHRUB

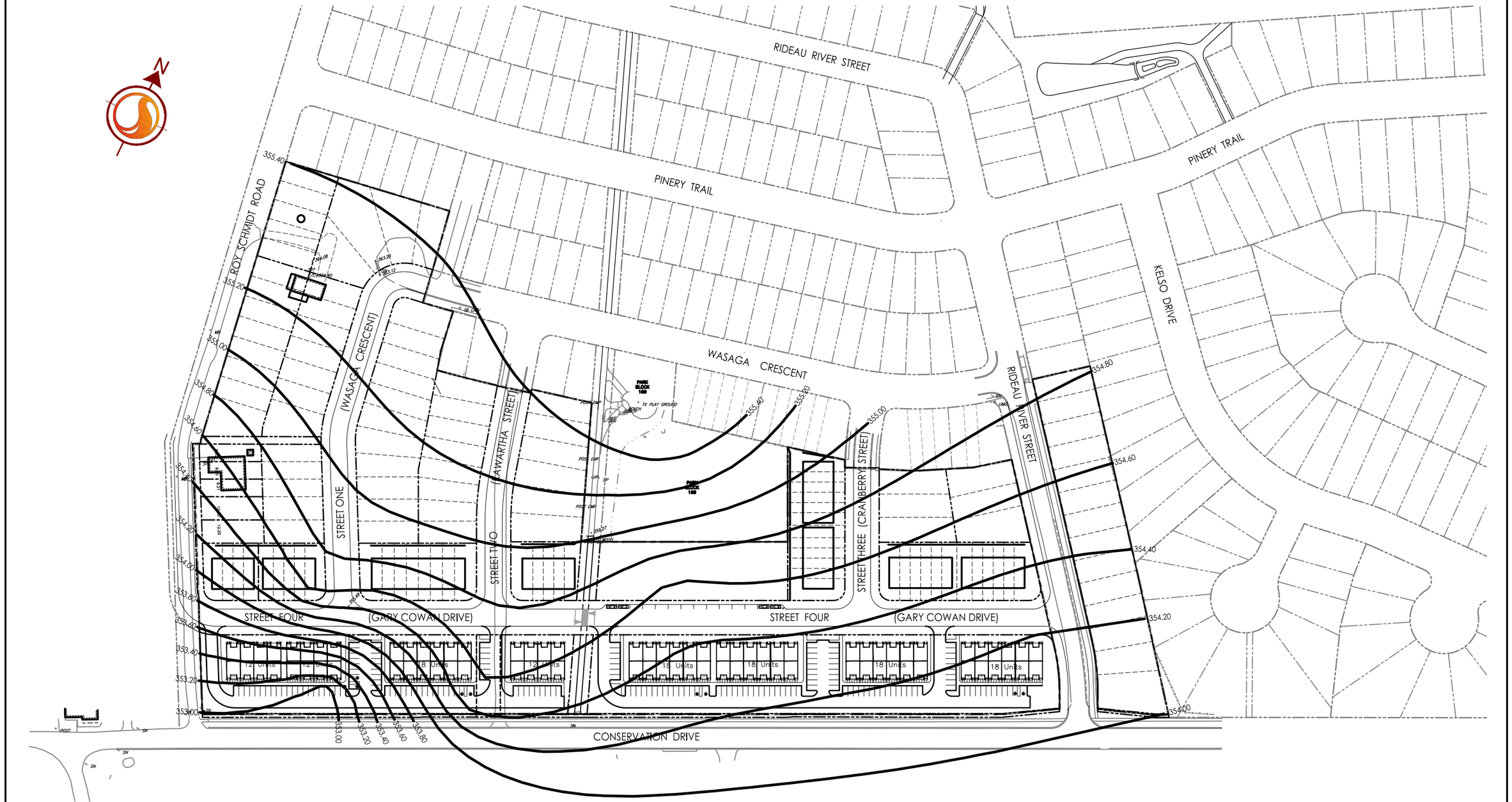
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Figure No.
2

Title
EXISTING CONDITIONS PLAN



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HIGH GROUNDWATER CONTOUR (m AMSL)

Notes

1:2000 — 0 20 60 100m

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Figure No.

2A

Title

HIGH GROUNDWATER CONTOURS

3.0 PROPOSED DRAFT PLAN

Figure 3 illustrates the proposed Draft Plan for the site, dated November 26, 2019. The Draft Plan was prepared by MHBC and land uses include single residential, multiple residential, trails, walkways, roads and expansion of the existing park . As part of the process for development of these and the adjacent lands to the west, it is anticipated that portions of the existing Roy Schmidt Road allowance will be closed.

The site includes an easement in favour of Hydro One which accommodates an overhead twin pole line. In Phase 1 of the development, a trail is also located in this easement. It is proposed that the trail be extended through the remainder of the easement and to Conservation Drive, as Phase 2 is developed.

It is anticipated that the plan will contain 54 to 88 single family houses, a minimum of 141 street-fronting townhouses and 196 low rise apartments resulting in a population range between 511 and 852 people.



Legal Description

PART OF LOT 28, GERMAN COMPANY TRACT,
(GEOGRAPHIC TOWNSHIP OF WATERLOO),
CITY OF WATERLOO,
REGIONAL MUNICIPALITY OF WATERLOO

Owner's Certificate

I AUTHORIZE MACNAUGHTON HERMSEN BRITTON CLARKSON PLANNING LIMITED TO SUBMIT THIS PLAN FOR APPROVAL.

DATE: June 27/17

Lou D'Ambrosio - Vice President
Activa Holdings Inc.
Activa Management Corporation

Surveyor's Certificate

I HEREBY CERTIFY THAT THE BOUNDARIES OF THE LAND TO BE SUBDIVIDED ON THIS PLAN AND THEIR RELATIONSHIP TO THE ADJACENT LANDS ARE ACCURATELY AND CORRECTLY SHOWN.

DATE: June 27/17

Brian Campbell - OLS,
Stantec Geomatics Ltd.

Key Plan



Additional Information Required Under Section 51(17) of the Planning Act R.S.O. 1990, c.P.13 as Amended

A. As Shown
B. As Shown
C. As Shown
D. Residential, Trail, Stormwater Management
E. As Shown
F. As Shown
G. As Shown
H. Municipal Water Supply
I. Sandy Loam
J. As Shown
K. All Services As Required
L. As Shown

Area Schedule **30T - 17403**

DESCRIPTION	STAGE 1 Lots/Blks	Area	Singles (min./max.)	Multiple Residential Street Towns (min.)	Multiple Residential Low Rise Aparts (max.)	TOTAL Lots/Blks	Area	Total Units (min./max.)
Residential (1)	1-10	2.814	54-88			10	2.814	54-88
Street Towns (2)	11-17	1.250		54		7	1.250	54
Multiple Residential (2,3)	18	1.008		35	76*	1	1.008	35-76
Multiple Residential / Mixed Use (2,4)	19	0.802		48	120**	1	0.802	48-120
Walkways	20	0.025				1	0.025	
Park	21	0.306				1	0.306	
Trail	22,23	0.145				2	0.145	
Future Development	24	0.086		4		1	0.086	4
Road Widening	25,26	0.079				2	0.079	
0.3m Reserves	27,28	0.015				2	0.015	
Roads		1.557					1.557	
TOTAL	28	8.006	54-88	141	196	28	8.006	195-342

Notes:
(1) Residential Unit Yield based on 13.7m Lots (min) and 9.0m Lots (max).
(2) Street Towns - minimum lot width 5.0m.
(3) Low Rise Apartments calculated at 60 Units per Hectare or 150* Bedrooms per Hectare.
(4) Low Rise Apartments calculated at 100 Units per Hectare or 300** Bedrooms per Hectare.

No.	Date	Issued / Revision	By
12	November 26,2019	Revise Blocks 11-13. Revise Area Schedule.	LHB
11	November 4,2019	Merge Blocks 18-19 & 20-21. Add Future Devlopment Block. Revise Block Numbering, Unit Yields & Area Schedule.	LHB
10	September 6,2019	Remove Block 26, Infiltration Gallery.	LHB
9	August 20,2019	Revisions per Post Circulation Comments.	LHB
8	April 15,2019	Add Infiltration Gallery Block.	LHB
7	January 30,2019	Edits to Area Schedule and Park Block.	LHB
6	October 10,2018	Remove Street Three Road Stub to Conservation Drive	LHB
5	July 25,2018	Remove Street Two Road Stub to Conservation Drive	LHB
4	May 31,2018	Redesign Park and Revise Area Schedule	LHB
3	January 18,2018	Add Park Blocks. Delete Portion of Street Three. Edits to Area Schedule and Unit Yields	LHB
2	September 21,2017	Edits to Area Schedule	LHB
1	September 11,2017	Edits to Area Schedule and Units Yields	LHB

MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
200-540 BINGEMANS CENTRE DR. KITCHENER, ON, N2B 3X9 | P. 519.576.3650 F. 519.576.0121 | WWW.MHBCPLAN.COM

Approval Stamp

Date November 26,2019
File No. 8784Y
Plan Scale 1:1,000
Drawn By L.H.B.
Checked By P.B. / D.A.

Client
Activa Holdings Inc.
55 Columbia Street East,
Waterloo, Ontario
N2J 4N7
519.886.9400
www.activagroup.ca

NORTH

File Name **DRAFT PLAN OF SUBDIVISION**

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Notes

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Figure No.
3

Title
PROPOSED DRAFT PLAN

4.0 OVERALL GRADING AND DRAINAGE

4.1 ROAD PROFILE DESIGN CONSTRAINTS

As noted in Section 1.1 of the Report, the 2 road connections to Conservation Drive as shown on the previous Draft Plan have been removed, resulting in being able to significantly raise the road profile of Street 4 (Gary Cowan Drive). This results in having less steep grades on roads running north to south matching into Street 4. As well, raising the proposed Street 4 profile provides for additional separation between the infiltration galleries and the groundwater, as well as providing for an expanded park with reasonable grades for active play uses.

Road profiles were established based on the proposed street pattern. Constraints in the design of road profile are as follows:

- Provide a road profile for Street 4 that minimized any sloping off the extended park lands, while still maintaining overland flows from east to west on Street 4.
- Ensure adequate cover over sanitary, storm sewers and watermains.
- Ensure "major" overland flow routes are directed to downstream conveyance storm sewer and ultimately to the Laurel Creek Reservoir.
- Providing the maximum clearance possible between Hydro One electrical wires and road crossings, given other noted constraints.
- Comply with municipal standards for minimum and maximum road grades.
- Provide for a cut/fill balance as much as possible.

The road profiles are design to match in smoothly with the existing street stubs of the Phase 1 development. The road profiles are illustrated on Drawing C-200 and C-201 in Appendix B of this report.

4.2 PROPOSED SITE GRADING

The profile design of Street 4 is set by minimizing the grade difference between the park, while providing for the conveyance of overland flow from east to west and to the low point on Street 4, where the storm sewer outlets through a servicing easement to Conservation Drive. An existing Hydro One twin pole line crosses Street 4 with a proposed trail within the Hydro One easement alongside of the existing park. All other streets running north to south connecting into Street 4, will have low points at the curb returns providing for drainage into catchbasins at these locations, such that street drainage does not bypass the catchbasins and providing for conveyance of 100-year flows into the storm sewers.

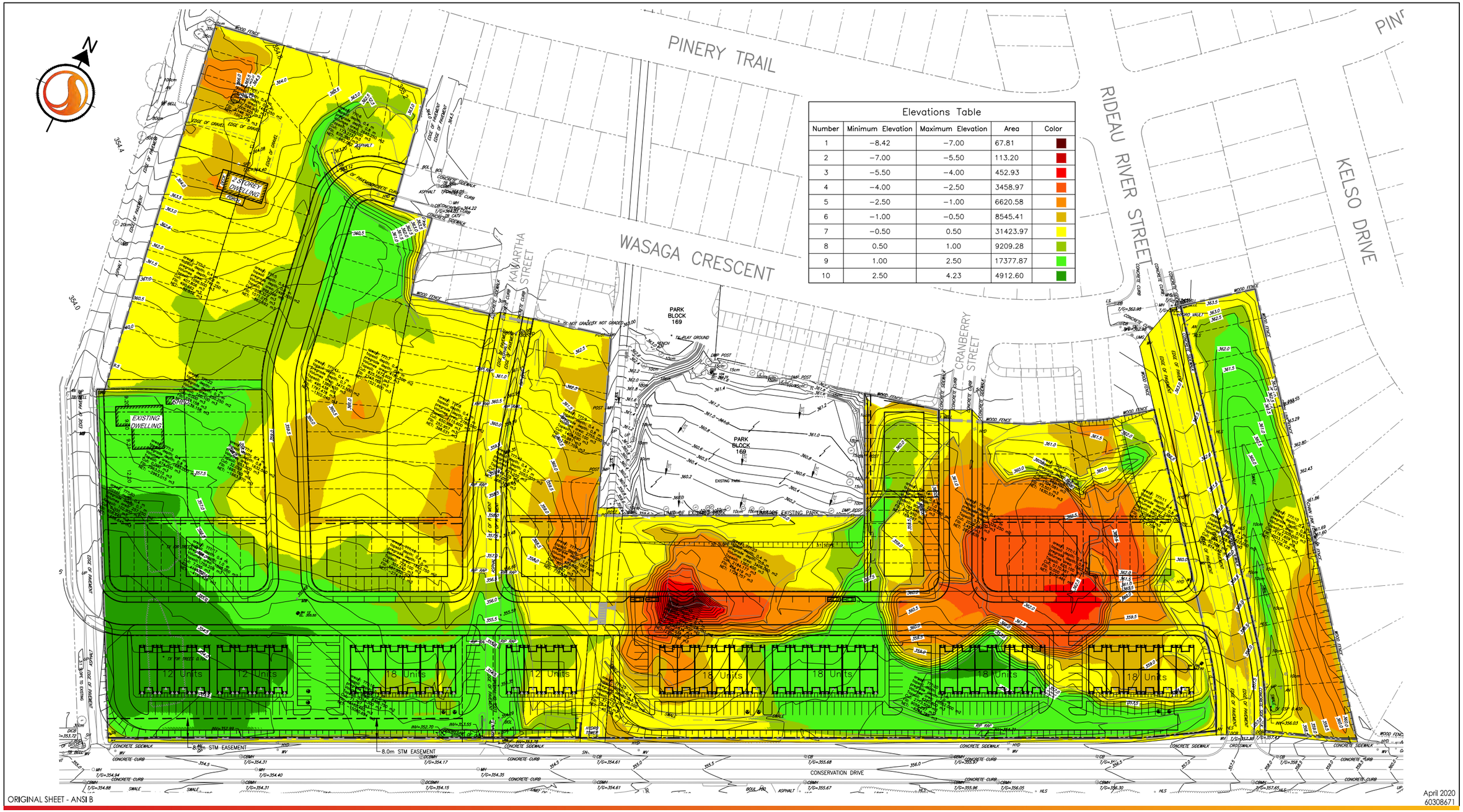
Overall Grading and Drainage

There is a small slope within the park that, at final design, can be incorporated into the final grading and landscape design. It is noted that Street 4 cannot be raised any further due to the conveyance of overland flows.

As well, there are some 3:1 slopes and a small retaining wall, adjacent parts of Conservation Drive right-of-way which provides for acceptable grades between Street 4 to the rear of the proposed condo units. This also keeps infiltration galleries adequately above the groundwater.

Preliminary earthwork calculations were performed and, due to the change in the proposed Draft Plan with no street connections to Conservation Drive and raising the south end of the site, it is expected there will be a surplus of topsoil but a deficiency in earth fill by approximately 25,000 cm. Refer to Figure E illustrating the Cut/Fill Plan.

Figure 2A illustrates the high groundwater contours. The high groundwater contours are also included in the Consolidated Geotechnical Report and Hydrogeological Report. It was confirmed the basements and infiltrations trenches are provided with adequate clearance to the high groundwater elevations.



Elevations Table				
Number	Minimum Elevation	Maximum Elevation	Area	Color
1	−8.42	−7.00	67.81	
2	−7.00	−5.50	113.20	
3	−5.50	−4.00	452.93	
4	−4.00	−2.50	3458.97	
5	−2.50	−1.00	6620.58	
6	−1.00	−0.50	8545.41	
7	−0.50	0.50	31423.97	
8	0.50	1.00	9209.28	
9	1.00	2.50	17377.87	
10	2.50	4.23	4912.60	

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ELEVATION	+324.311	BOLLARD	BLRD
CONTOUR	349.0	POST	POST
STANDARD IRON BAR	SIB	BELL PEDESTAL	BPED
IRON BAR	IB	HYDRO POLE	HP
CATCHBASIN	CB	GUY WIRE	GUY
MANHOLE	MH	SIGN	TS
HYDRANT SET	HYD WV	TREES	
		SHRUB	SHRUB

Notes

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Figure No.
E

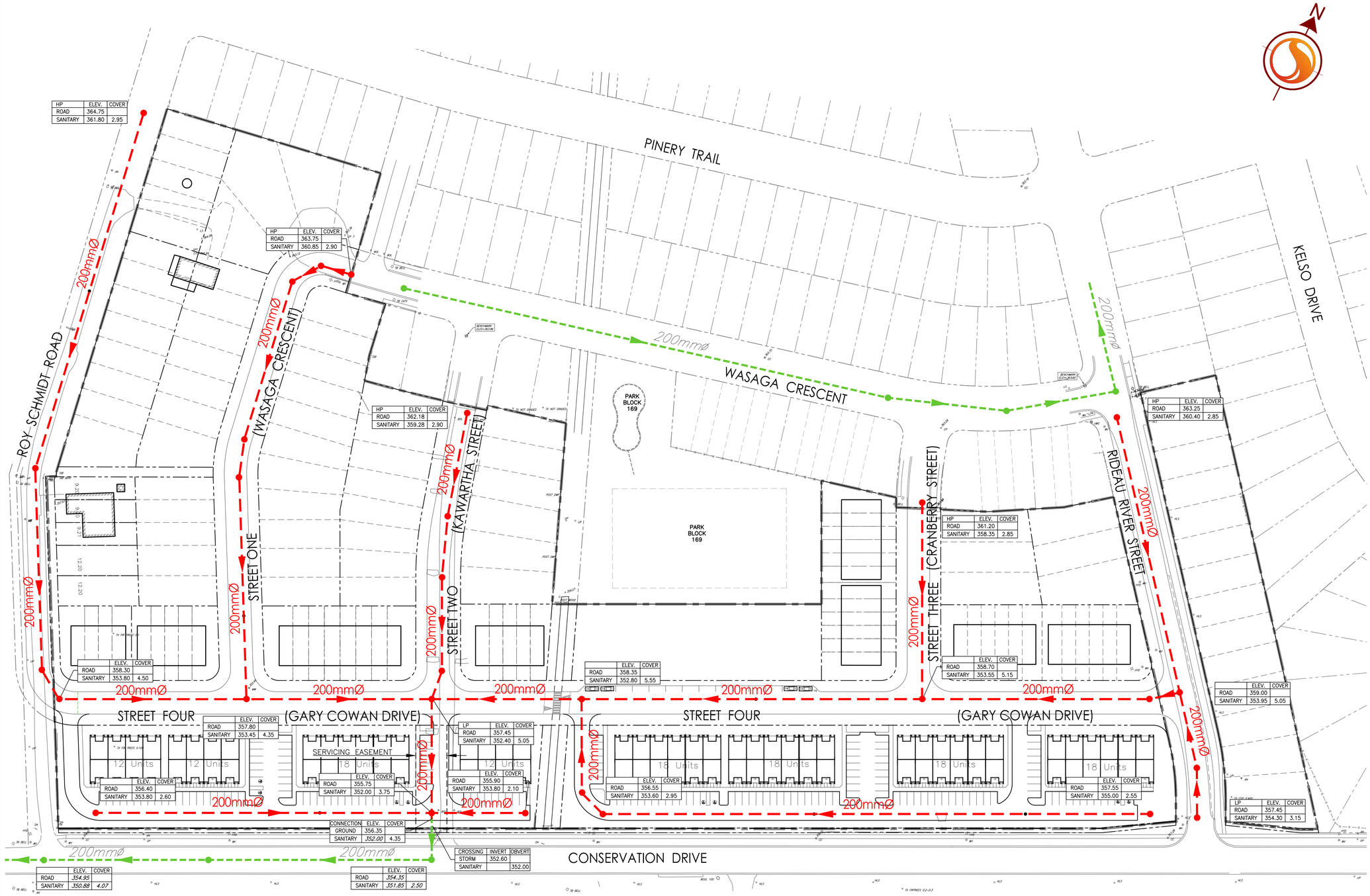
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EARTH CUT/FILL PLAN

5.0 SANITARY SERVICING

During the reconstruction of Conservation Drive between Rideau River Street and Roy Schmidt Road in 2010, a sanitary sewer was installed from the proposed servicing easement to Conservation Drive, extending to the west to Roy Schmidt Road (refer to Figure 4). It was known that this sewer would be required to convey flows to a future sewage pumping station on Beaver Creek Road.

As noted in Section 3.0, the proposed Draft Plan provides for a population between 511 to 852 people. Although the sanitary sewer was originally designed for a lower density development, a review of the design flows confirms the existing sewer has adequate capacity to convey the flows from the proposed development. Figure 4 illustrates the extension of the sewer within the proposed development, including a sewer for the back to back or stacked townhouses adjacent Conservation Drive. Appendix C includes a sanitary sewer design sheet with both the minimum and maximum populations noted above.

It is intended that the sanitary sewers within the condominium sites will be privately owned and maintained.



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Notes
1. BENCHMARK:
CUT CROSS IN CONCRETE CURB, NORTH EAST CORNER OF RIDEAU RIVER STREET AND WASAGA CRESCENT, CITY OF WATERLOO.
ELEVATION = 363.82m
2. TOPOGRAPHIC SURVEY BY STANTEC CONSULTING LTD. DATED APRIL 2016. ELEVATIONS ARE REFFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD-1929:1978)
3. DRAFT PLAN FOR LANDS PROVIDED BY MHBC DATED OCTOBER 21, 2016

Legend
- PROPERTY LINE
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER

ROAD STATUS (LP = LOW POINT, HP = HIGH POINT)
ROAD ELEVATION
COVER OVER SEWER (TO OBVERT)
SEWER OBVERT ELEVATION

LP	ELEV.	COVER
ROAD	363.20	
SANITARY	360.40	2.80

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Title
SANITARY SERVICING
CONCEPT PLAN

Project No.	Scale	Drawing No.	Sheet	Revision
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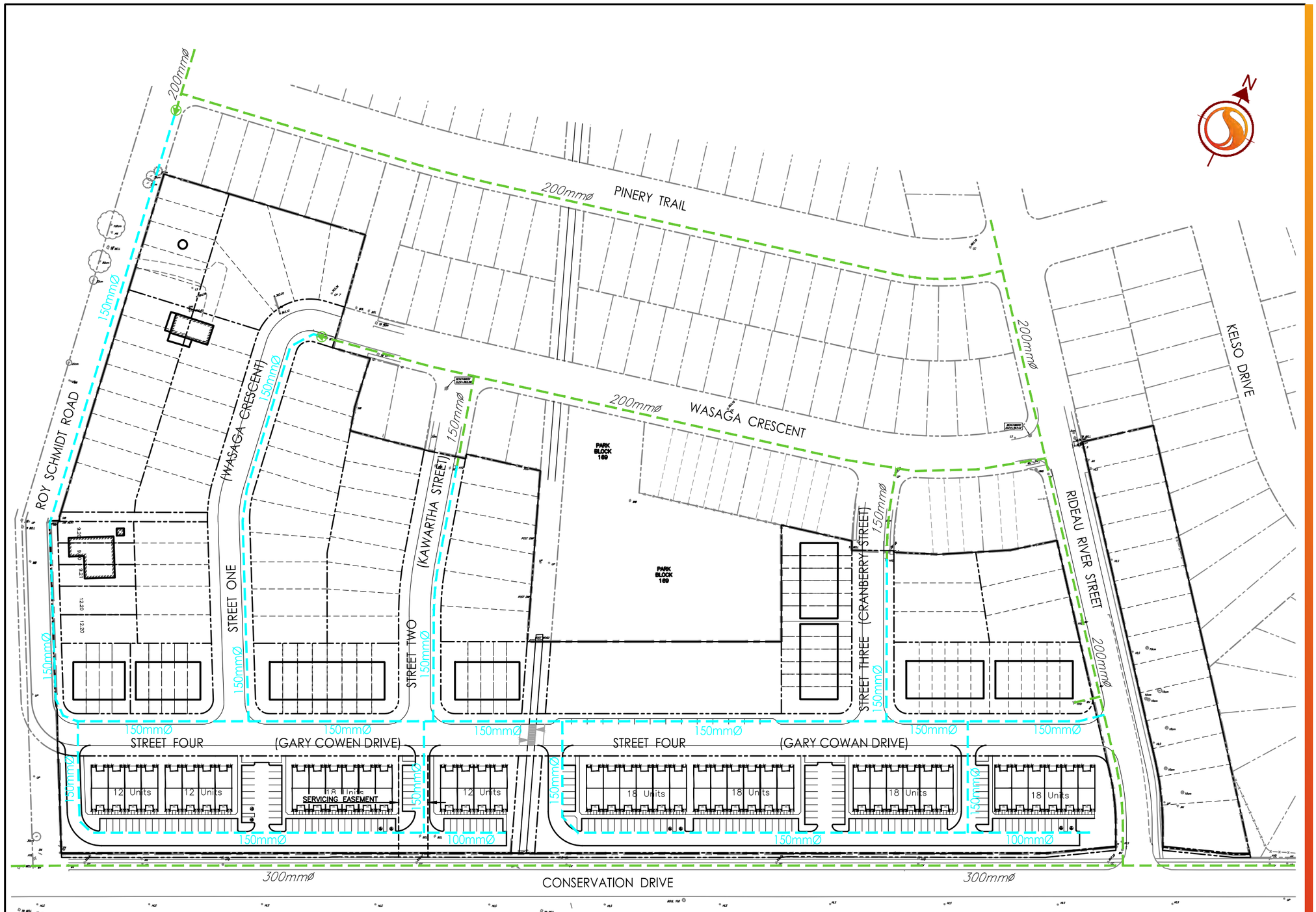
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6.0 WATER SERVICING

The site is serviced within the Lakeshore West booster pumping area known as Pressure Zone 4C, which has a nominal hydraulic grade line (HGL) of 405 MASL. The booster station services lands within an elevation range of 350 to 369 MASL. Within the proposed development, proposed grades will range from 354.0 to 363.5 MASL and therefore are well within the design limits of the station. More specifically, residential pressures within the new development under static conditions will vary between 490 kPa (71 psi) and 400 kPa (58 psi). As illustrated in Figure 5 an existing 300 mm diameter watermain on Conservation Drive connects to a 200 mm watermain on Rideau River Street. These watermains, as well as the existing 150 mm watermain on the street stubs of Cranberry and Kawartha and the 200 mm watermain on Wasaga will be extended throughout the development providing ample supply to the new development.

As part of the Beaver Creek Road and Conservation Drive upgrades that are planned for development of the Beaver Creek Meadows District, trunk watermains will be extended on Erbsville Road, Conservation Drive, and Beaver Creek Road, which will form a complete loop for the northwest portion of Waterloo. This will also interconnect Pressure Zone 5 and Pressure Zone 4C (both operate at the same HGL) and provide greater redundancy and water supply security.

In 2016 the Region of Waterloo advised that a modification distribution system for the site will be changed from Pressure Zone 4C to Pressure Zone 5, however the HGL of 405 MASL will remain the same.



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- PROPOSED WATERMAIN
- EXISTING WATERMAIN
- EXISTING REDUCER

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Title
WATERMAIN SERVICING
CONCEPT PLAN

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Drawing No. | Sheet

Figure 5 of 0

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ORIGINAL SHEET - ARCH D

7.0 STORMWATER MANAGEMENT (SWM)

7.1 STUDY APPROACH

A stormwater management (SWM) strategy for the site (Figure 1.0 – Location Map) has been developed to satisfy regulatory requirements to mitigate against potential changes to the hydrologic regime associated with the development of the subject lands.

The SWM design involves the following study components:

- Review the existing North Waterloo Scoped Subwatershed Study (NWSSS) with respect to the existing land uses, hydrology, proposed development, and SWM objectives.
- Outline the approach to offsite conveyance of 100-year flows and water quality treatment of the minor flows into the Beaver Creek Meadows communal SWM facility.
- Complete a water balance for the site to compare existing and proposed infiltration volumes for the site and estimate preliminary infiltration targets for proposed conditions.
- Complete the preliminary sizing design of infiltration trenches to meet the water balance objectives of the subwatershed.
- Summarize the study through preliminary design and recommendations.

7.2 BACKGROUND

The following reports and primary guidance documents were referenced in the completion of the proposed SWM design:

- *Technical Memorandum – Re: Beaver Creek Meadows Communal Stormwater Management Study*, MTE, February 3, 2020.
- *Consolidated Geotechnical Report*, Stantec Consulting Ltd., July 19, 2019
- *Conservation Meadows Subdivision – Phase 2, City of Waterloo – Functional Servicing and Stormwater Management Report*, Stantec Consulting, 2017.
- *North Waterloo Scoped Subwatershed Study (NWSSS)*, Ecoplans/MHBC/Stantec Consulting, November 2013.
- *Low Impact Development Stormwater Management Planning and Design Guide (LID SWMPD)*, Credit Valley Conservation Authority and Toronto and Region Conservation Authority, 2010.
- *Stormwater Management Planning and Design (SWMPD) Manual*, Ministry of the Environment (MOE), March 2003
- *Geotechnical Investigation – Proposed Residential Subdivision, Activa Conservation Lands, Waterloo Ontario*, Naylor Engineering Associates Ltd., February 2003.
- *Laurel Creek Watershed Study (LCWS)*, Grand River Conservation Authority, 1992.

7.3 STORMWATER MANAGEMENT DESIGN CRITERIA

The site is a part of the Laurel Creek watershed with site runoff draining south to Conservation Drive and, ultimately, the Laurel Creek Reservoir. The goals, objectives and requirements for the Laurel Creek watershed are outlined in the LCWS (1992) with specific hydrologic and SWM targets provided on a subwatershed scale in the NWSSS (2013). The design criteria listed below are not all site-specific but apply to the larger, North Waterloo Subwatershed (bold criteria are directly from the NWSSS with regular text describing the applicability of the bolded criteria to the site):

- *Water Quality* – **Provide Enhanced water quality control including extended detention storage in accordance with the MOE SWMP Manual (2003)** and **use a treatment train approach to stormwater management**. A future water quality and potential infiltration SWM facility (depending on high groundwater constraints) will be located upstream of the Laurel Creek Reservoir and will provide 'Enhanced' control for the upstream development lands including the subject site. The potential for end-of-pipe infiltration in the facility is unknown as high groundwater constraints may reduce the ability to infiltrate. As such, infiltration facilities proposed on-site will function as part of the overall treatment train approach to water quality control.
- *Water Quantity* – **Subwatershed 310 surface drainage shall be directed to the Laurel Creek Reservoir. Major system flows may not be required for this area, provided that peak flows from this area are not delayed;** therefore, no on-site water quantity control is required; provide sufficient capacity to convey major peak flows from the site to the Laurel Creek Reservoir.
- *Infiltration* – **Implementation of Infiltration Targets of the approved subwatershed study**
- *Erosion Control* – **Provide erosion control by maintaining existing flow duration characteristics**.
- *Water Balance* – **Maintain or improve infiltration rates as compared to existing conditions**. The existing condition annual infiltration (target) volume for the site is 183.4 mm.
- *Thermal Mitigation* – **Implement thermal mitigation measures for stormwater discharge to Beaver Creek**. The site does not discharge to Beaver Creek so no thermal mitigation is required.

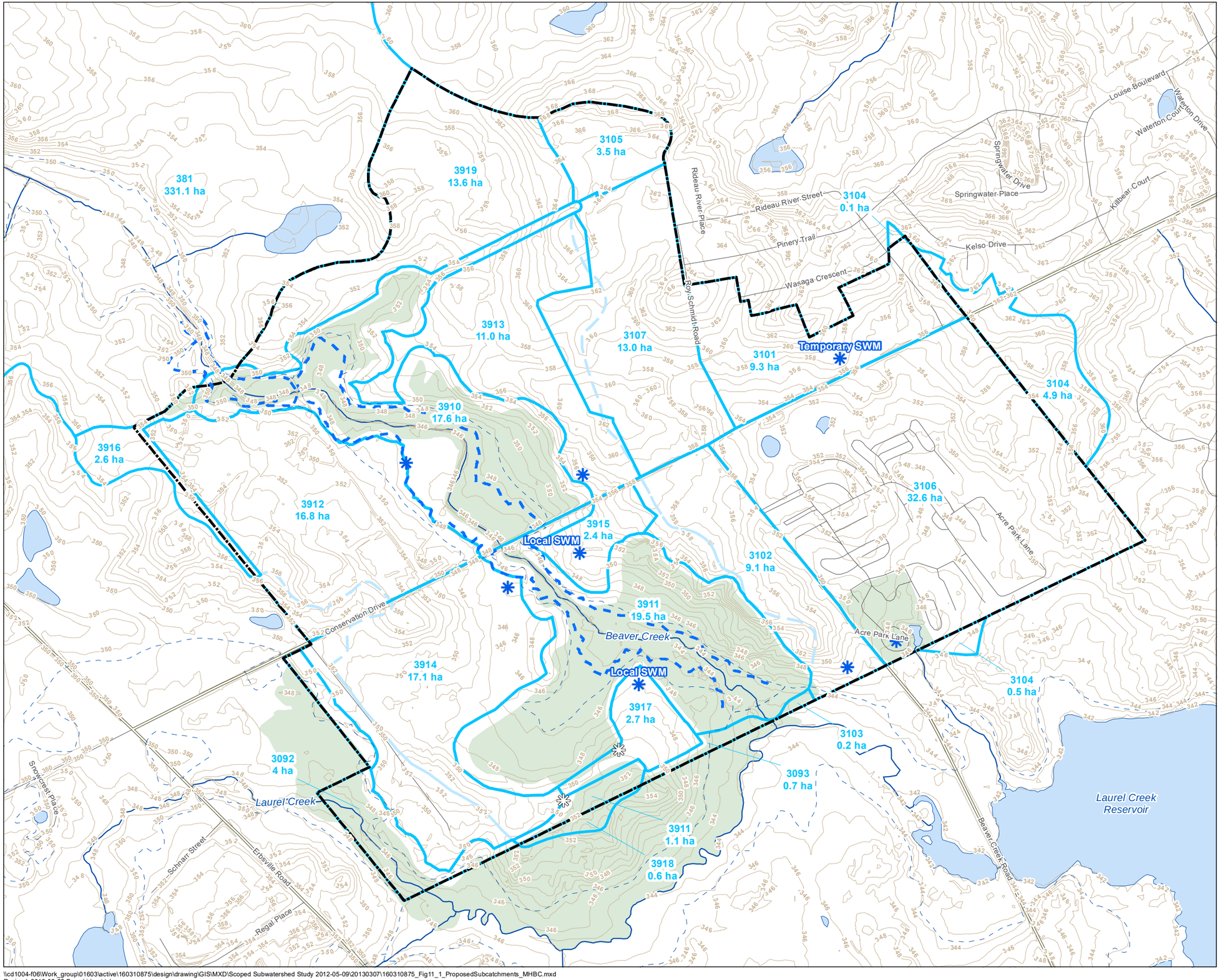
7.4 EXISTING CONDITIONS

7.4.1 Topography and Surface Drainage

The site is relatively steep with elevations ranging from approximately 354.5 mASL at Conservation Drive to 364.0 mASL at the north end of the proposed development area. Average grades generally range from 3 – 5% across the site with steeper grades located closer to Conservation Drive. An east-west high point divides drainage from the site and the neighbouring development to the north with the site's runoff draining south to Conservation Drive into the North Waterloo Subwatershed. The site is located in Catchment 3101 of the NWSSS, east of Roy Schmidt Road and north of Conservation Drive (see Figure 6 and Figure 7).

NORTH WATERLOO SCOPED SUBWATERSHED STUDY

PROPOSED SUBCATCHMENTS



Site Boundary
SWM Facility
Future Study Area
Highway
Major Road
Local Road
Topographic Contour (mAMSL)
Watercourse
Waterbody
Delineated Floodplain
GRCA Floodplain
Proposed Detailed Subcatchment
Existing Detailed Subcatchment
Natural Heritage Features

NOTES

1. Coordinate System: UTM NAD 83 - Zone 17 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

NORTH

0 50 100 200 300 400 m

1:7,500
March 2013

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MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
200-540 BINGEMANS CENTRE DR, KITCHENER, ON, N2B 3X9
P: 519.576.3650 F: 519.576.0121 | WWW.MHBCPLAN.COM

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Figure 6

160310875

\\cd1004-f06\Work_group\01603\active\160310875\design\drawing\GIS\MXD\Scoped Subwatershed Study 2012-05-09\20130307\160310875_Fig11_1_ProposedSubcatchments_MHBC.mxd
Revised: 2013-03-25 By: mkirkpatrick

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Notes

Legend

- EX. STORM MAINTENANCE HOLE
- EX. STORM CATCHBASIN MAINTENANCE HOLE
- EX. CATCHBASIN
- EX. SANITARY MAINTENANCE HOLE
- EX. STORM SEWER
- EX. SANITARY SEWER
- EX. FENCE
- EX. SLOPE (3:1 UNLESS NOTED OTHERWISE)
- 348.0 EX. CONTOUR
- EX. SWALE
- EX. OVERLAND DRAINAGE
- DRAINAGE AREA BOUNDARY
- 3101 / 10.68 CATCHMENT ID / AREA (ha)

Revision	By	Appd.	YY.MM.DD
File Name: 60308671_C-SD-EX.dwg	Dwn.	Chkd.	Dsgn. YY.MM.DD 20.04.29

Permit-Seal

Client/Project
ACTIVA HOLDINGS INC.

CONSERVATION MEADOWS SUBDIVISION PHASE 2
Waterloo, ON.

Title
EXISTING OVERLAND DRAINAGE

Project No.	Scale
603108671	1:1000 (0 10 30 50m)
Drawing No.	Sheet / Revision
Figure 7	of 0

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2020.04.29 3:21 PM By: Ross, Martin

ORIGINAL SHEET - ARCH D

High points along Conservation Drive are located at the intersection of Rideau River Street and Conservation Drive and Beaver Creek Road and Conservation Drive. Runoff along Conservation Drive drains to a low point at Kawartha Street (Figure 8) and spills to the south to the neighbouring Mar-View lands (Mar-View lands located in Catchment 3106 on Figure 6).

7.4.2 Geotechnical Information

As identified in the *Geotechnical Investigation* (Naylor Engineering, 2003), the subsurface soils for the site and neighbouring development to the north generally consist of clay over silty clay, silt, glacial till, and small pockets of sand. Seasonal high groundwater is at least 4 m below ground surface within the site.

Based on the silty clay soils encountered within the site during the investigation, an infiltration rate of 4 mm/hr. has been assumed for all subsurface soils.

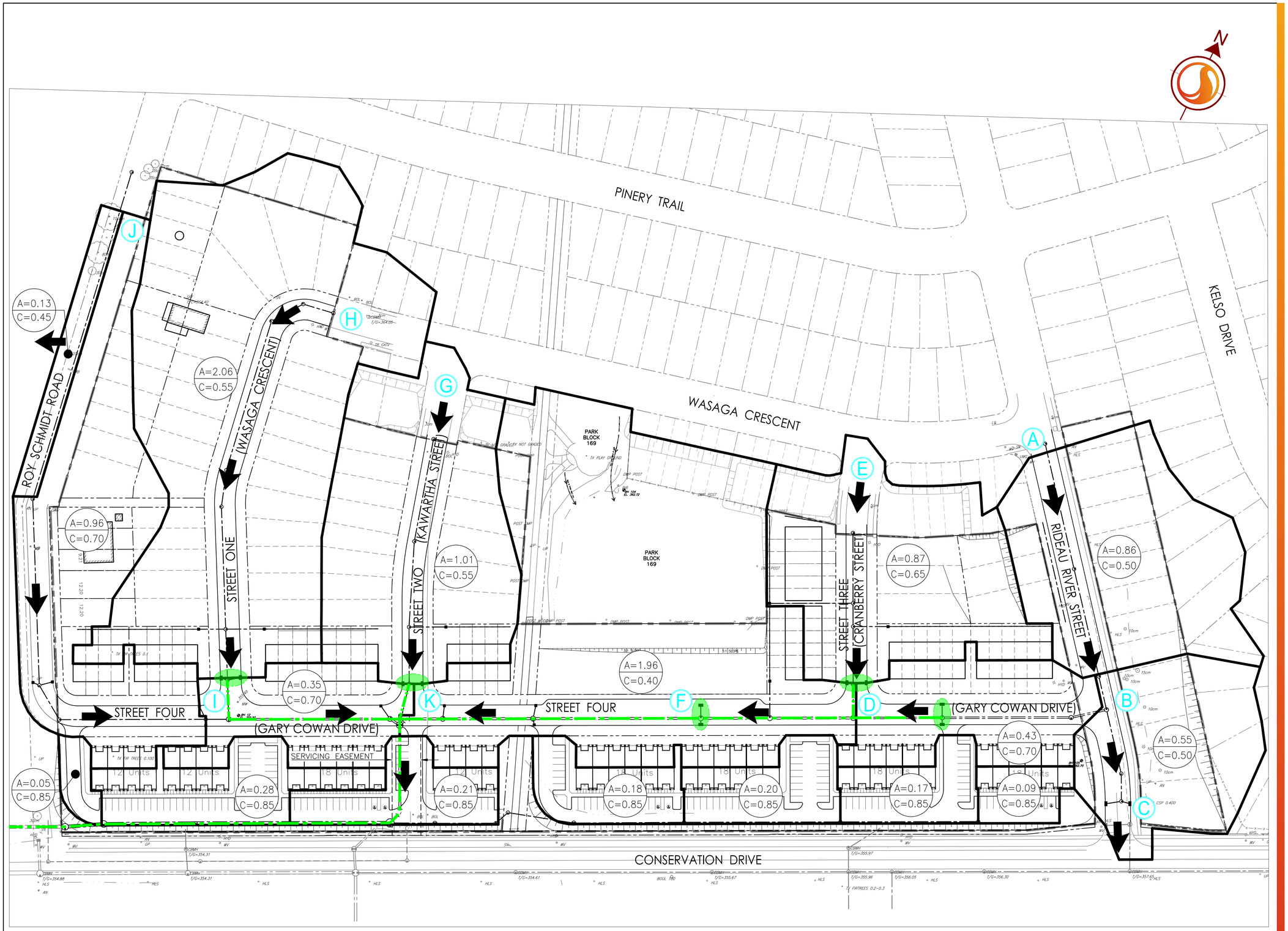
7.5 STORMWATER MANAGEMENT DESIGN

7.5.1 Current Hydrologic Modeling and the NWSSS

An extensive hydrologic model was completed for the North Waterloo Subwatershed, including the site, as part of the NWSSS. The Study included an existing conditions model to establish targets for the individual subcatchments as well as a proposed conditions model outlining infiltration targets for each subcatchment and necessary SWM controls to meet all target criteria for the NWSSS. The models were completed using the hydrologic software program, GAWSER. For more detailed information concerning the models, hydrologic parameters and assumptions, please refer to the NWSSS.

As mentioned above, the site is part of Catchment 3101, as illustrated on Figure 6 of the NWSSS. Under the developed scenario, the catchment containing the site has been refined based on more accurate topographic information, resulting in a developed area of 10.8 ha compared to the high-level estimate of 9.3 ha in the NWSSS.

According to the NWSSS, a downstream SWM facility will be constructed to provide water quality treatment and end-of-pipe infiltration for runoff from the developed Catchments 3101, 3102, 3106, and 3107. The NWSSS also identified an interim SWM facility on the subject property. The purpose of the on-site facility was to reduce post-development flows to the capacity of the existing storm sewer for conveyance to the downstream water quality facility. Through additional design work and consultation with the City and agencies, it has been determined that the interim facility is not required if the 100-year flows can be conveyed safely downstream. The proposed design collects the 100-year runoff from the Conservation Meadows, Phase 2 site, less the 100-year pre-development flow from Phase 2, into the storm sewer system that is sized to convey this flow to the downstream facility and therefore no SWM facility is proposed on site.



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Notes

Legend

- STORM MAINTENANCE HOLE
- CATCHBASIN
- STORM SEWER
- SWALE
- SLOPE (3:1 UNLESS NOTED OTHERWISE)
- EXISTING CONTOUR
- A=0.20 / C=0.90 — AREA (ha) / RUNOFF COEFFICIENT
- DRAINAGE AREA BOUNDARY
- STORM PIPE SIZED FOR 100 YEAR FLOW
- 100 YEAR ENTRY AT ROAD LOW POINT
- MAJOR OVERLAND FLOW DIRECTION
- A — JUNCTION LOCATIONS FOR DESIGN SHEET

Revision	By	Appd.	YY.MM.DD
File Name: 60308671_C-110SD.dwg	M.A.R. Dwn.	J.L.G. Chkd.	M.A.R. Dsgn.	20.05.12 YY.MM.DD

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Waterloo, ON.

Title

STORM DRAINAGE CONCEPT PLAN

Project No.	Scale	Sheet	Revision
60308671	1:750 (0, 7.5, 22.5, 37.5m)	Figure 8 of	0

Drawing No.

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ORIGINAL SHEET - ARCH D

Water quality controls on site include infiltration of (clean) rooftop runoff, and passive treatment of parts of the site in grassed swales for conveyance.

The communal SWM facility is to be located on Beaver Creek Road at the south limit of the Mar-View lands. The original design from the NWSSS included end-of-pipe infiltration; however, it is understood that high groundwater levels may reduce the ability to infiltrate at this location and alternative methods may be required. The design of this facility has been prepared by MTE and can be found under separate cover. Stormwater management for the subdivision proceeded in parallel and with consideration of the design criteria for the communal stormwater management facility.

7.5.2 Stormwater Quantity Control and Conveyance

As discussed above, no water quantity controls are required for the site since drainage is directed to the Laurel Creek Reservoir downstream (Catchments 3101, 3102, 3106, and 3107 on Figure 6).

Runoff from major storms flows overland in the upstream areas of the site until it reaches low points at various intersections within the subdivision, as illustrated on the Storm Drainage Concept Plan, Figure 8. Double catchbasins are proposed at the low points with sufficient capacity to allow the overland flow from the roadways into the sewer system. The storm sewer system from these points to Conservation Drive has been designed to convey the peak post-development flow rates from the 100-year design storm less the 100-year pre-development flow, per City of Waterloo parameters.

The City of Waterloo is currently completing the design for the reconstruction of Beaver Creek Road and Conservation Drive with a storm sewer connecting to the storm outlet for the subdivision. Figure 8 illustrates the proposed storm conveyance and outlet location.

7.5.3 Water Balance and Infiltration Assessment

The NWSSS provides annual infiltration volumes for each subcatchment within the subwatershed and an end-of-pipe annual target volume for the overall catchment area at the downstream end of the system. For the site (3101) and its adjacent subcatchments (3102, 3105, 3106 and 3107), the current approved annual water balance values are listed in Table 1. Catchment 3101 is 9.3 ha while Node 5102 is downstream of the future communal SWM facility following end-of-pipe infiltration from all upstream development areas.

Table 1: Current Approved Proposed Conditions Annual Water Balance (NWSSS)

	Catchment 3101	Node 5102
Evapotranspiration (mm)	341.5	366.9
Infiltration (mm)	181.8	281.6
Runoff (mm)	321.5	196.3

To meet the water balance criteria for the site and per the findings of *Technical Memorandum – Re: Beaver Creek Meadows Communal Stormwater Management Study* (MTE, 2020), infiltration of runoff from all rooftop areas is proposed for the first 30 mm of rainfall which represents approximately 80-

90% of the average annual rainfall volume. Rooftop runoff is generally considered 'clean' and does not require any initial treatment prior to infiltration. Large, shared infiltration trenches are proposed within the multi-blocks with roof leaders from each unit connected into a single, large trench running parallel to the units while single lots have individual trenches. In addition, amended topsoil is recommended to a depth of 450 mm and a void ratio of at least 0.3 within all pervious areas in the residential blocks to enhance retention of pervious runoff and achieve the NWSSS annual target infiltration value.

Amended topsoil can vary in its design and a specific mix should be determined at detailed design to ensure suitability with the proposed landscape design and selected plantings as well as its functionality as a stormwater management measure. The following is an example of a soil gradation representing amended topsoil in the City of Vancouver for areas where irrigation is required infrequently. It is considered a good example of what can be expected for the proposed development:

Soil Type	**Topsoil Texture (% dry weight)**
Sand	30-70%
Silt	15-50%
Clay	15-30%

Please note that the mix of silt and clay should not exceed 60% of the dry weight of the soil.

The draft plan provides a high-level concept of the proposed configuration of the multiblock, street towns and single units within the site. The design will be refined at detailed design once more information is available. The following assumptions have been made with respect to rooftop areas and the overall site water balance based on the most recent draft plan. Calculations will be refined at detailed design (and at site plan approval) once more detailed information regarding rooftop areas is available:

- Single family residential – rooftop area of 160 m^2 based on the maximum lot size (13.7 m lot width)
- Multiblock – rooftop area of 70 m^2 per unit in the multiblock; rooftop area represents approximately 30% of the overall block area
- Street Towns – rooftop area of 88 m^2 per unit; rooftop area represents approximately 40% of the overall block area

Due to the anticipated low infiltration rate on-site (4 mm/hour), it is recommended that all infiltration trenches are 0.6 m deep to keep drawdown times between 48-60 hours rather than the recommended depth of 0.75 m from the *Technical Memorandum – Re: Beaver Creek Meadows Communal Stormwater Management Study* (MTE, 2020). All trenches have been upsized by 15% per Region of Waterloo requirements to account for the long-term degradation of the trench performance. Sizing is summarized in Table 2 below. Please refer to Appendix A for a summary of the infiltration trench input parameters, assumptions, and sizing.

Table 2: Preliminary Infiltration Trench Sizing Summary

Lot Type	Rooftop Area (m^2)	Trench Footprint (m^2)	Trench Depth (m)	Drawdown (hrs)
Single Family Residential	160	23	0.6	56.3
Street Towns (per two units)	176	27		56.0
Multiblock (per single unit)	70	10.6		56.1

As shown on Figure 13, individual trenches are proposed for some multiblock and street town units while continuous/shared trenches are proposed for other units. These trenches have been sized based on the above unit sizing and multiplied using the total number of contributing units. Sizing calculations are provided in Appendix A.

The continuous GAWSER model completed as part of the November 2013 NWSSS establishing water balance targets for the development areas was revised using preliminary hydrologic parameters for the site based on the proposed draft plan and the recommendations from MTE's findings in the 2020 technical memorandum. Specifically, the following details were revised:

- Area of Catchment 3101 was increased from 9.3 ha to 10.5 ha based on the preliminary grading plan and existing development
- Catchment 3101 has been divided into rooftop areas (7101), residential pervious areas (4101), remaining proposed development area (8101), and existing development area (9101)
- Impervious coverage within Catchment 3101 is approximately 49%
- Rooftop coverage was increased from 16% to 22% per the proposed draft plan
- Residential pervious areas, 2.51 ha, drain to amended soil with sufficient storage capacity to retain runoff from the majority of rainfall events

The input and output files for the current approved continuous GAWSER model as well as the revised version based on the proposed draft plan and MTE's technical memorandum findings are included in Appendix A. Stantec notes that the GAWSER model results provided in Appendix A also include the monthly water balance calculations for the previously mentioned subcatchment areas.

Using preliminary estimates on the anticipated rooftop coverage and the retention benefits of amended soil, the site's proposed annual infiltration volume is 285 mm/year which is 5 mm/year short of the value presented by MTE in *Technical Memorandum – Re: Beaver Creek Meadows Communal Stormwater Management Study* (2020); however, the proposed infiltration volume of 285 mm/year exceeds the NWSSS target of 281.6 mm/year. As such, the site's proposed combination of amended soils and at-source infiltration measures meets the requirements of the NWSSS for Catchment 3101. The results of the proposed GAWSER updates for Catchment 3101 (the site) are presented in Table 3 (assuming only rooftop coverage to infiltration and residential impervious areas to amended soil storage).

Table 3: Proposed Conditions Annual Water Balance Catchment 3101

	NWSSS Target	Proposed	Surplus/Deficit
Evapotranspiration (mm)	366.9	304.7	-62.2
Infiltration (mm)	281.6	285.1	3.5
Runoff (mm)	196.3	255.0	58.7

By incorporating the above infiltration and amended soils design, the annual infiltration targets, as established by the NWSSS, are achieved.

Drawing C-400 (Appendix B) and Figures 9, 10, 11 and 12 illustrate the locations and details of the trenches for the single lots, street towns, and multi-blocks within the site. All infiltration trenches on site will have overflow connections to the storm sewers.

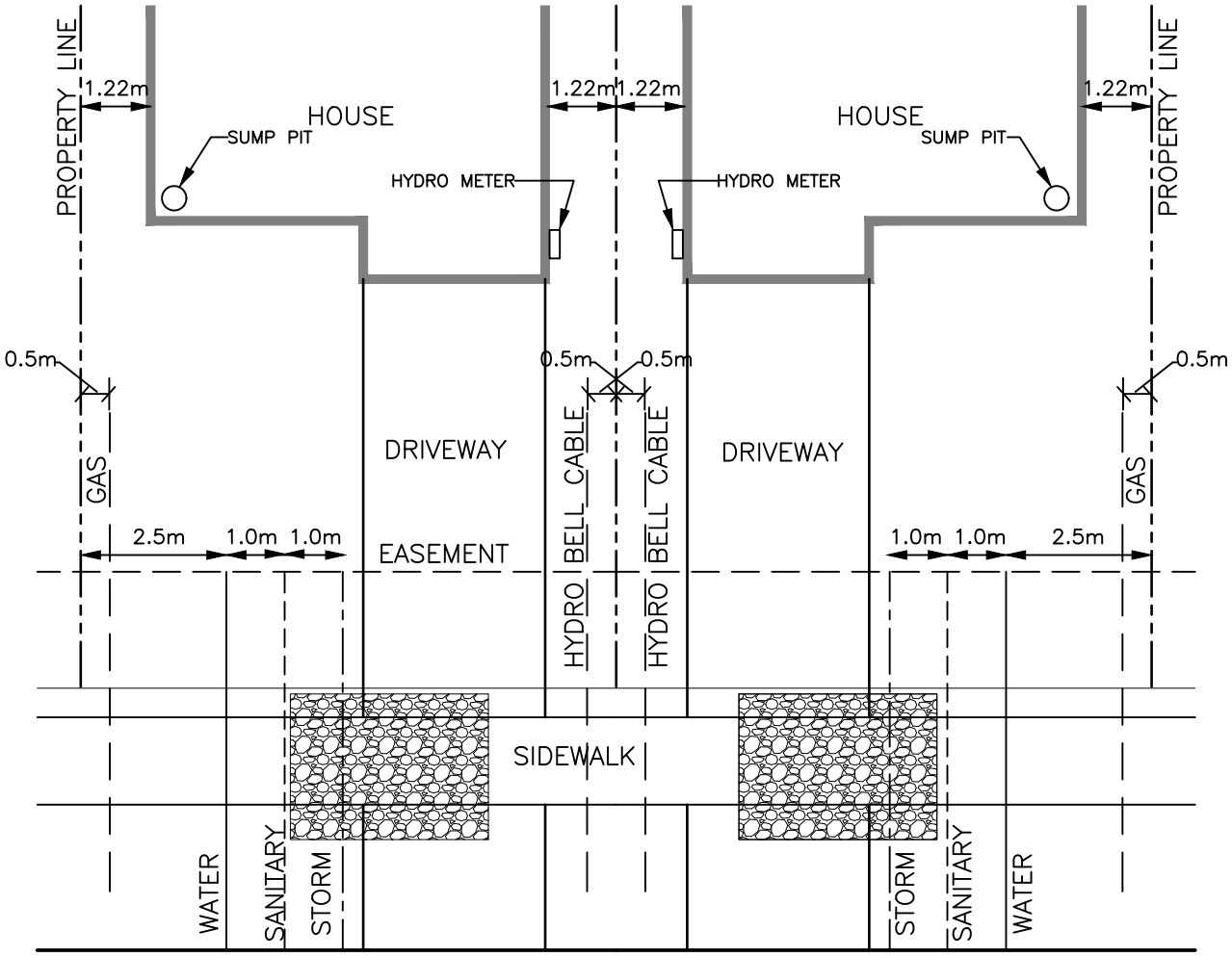
The infiltration of the roof water within the site helps to reduce the total volume of runoff in the system, reducing erosion potential due to development and helping to maintain existing flow duration curves. In addition, while thermal mitigation is not required for the site due to its location in the watershed, infiltration helps to mitigate against temperature increases of runoff. Groundwater recharge keeps baseflow of nearby systems maintained and cools down stormwater naturally.

7.6 SUMMARY AND RECOMMENDATIONS

Based on the preceding, the following summary can be drawn for the site:

- Water quality control for the site will be provided by a communal SWM facility located on the Mar-View Lands to the south, upstream of the Laurel Creek Reservoir per the recommendations of the North Waterloo Scoped Subwatershed Study.
- No water quantity control is required for the site since the Laurel Creek Reservoir is located downstream of the site and the peak flows will not be delayed; the on-site and downstream storm sewer systems have sufficient capacity to convey the 100-year storm to the outlet.
- Lot level infiltration trenches infiltrate the first 30 mm of clean roof runoff to help maintain the site water balance and meet the NWSSS design criteria.
- Amended soils to a depth of 450 mm are proposed for all pervious area within residential properties to retain runoff and improve annual infiltration volumes.
- With the current design concept the site has a 3.5 mm/year annual infiltration surplus for a total annual volume of 285 mm/year, achieving the NWSSS target volumes.

The subwatershed study provides for the implementation of a temporary stormwater management solution. This may be considered should there be a delay in the approval and/or the construction of the of the outlet or the communal stormwater management facility.



NOTES:
1. INFILTRATION GALLERIES APPLY ONLY WHERE SHOWN ON PLAN
2. TYPICAL LOCATION OF SERVICE LATERALS, UNLESS SHOWN OTHERWISE IN PLAN VIEW.

ORIGINAL SHEET - ANSI A

April 2020
60308671

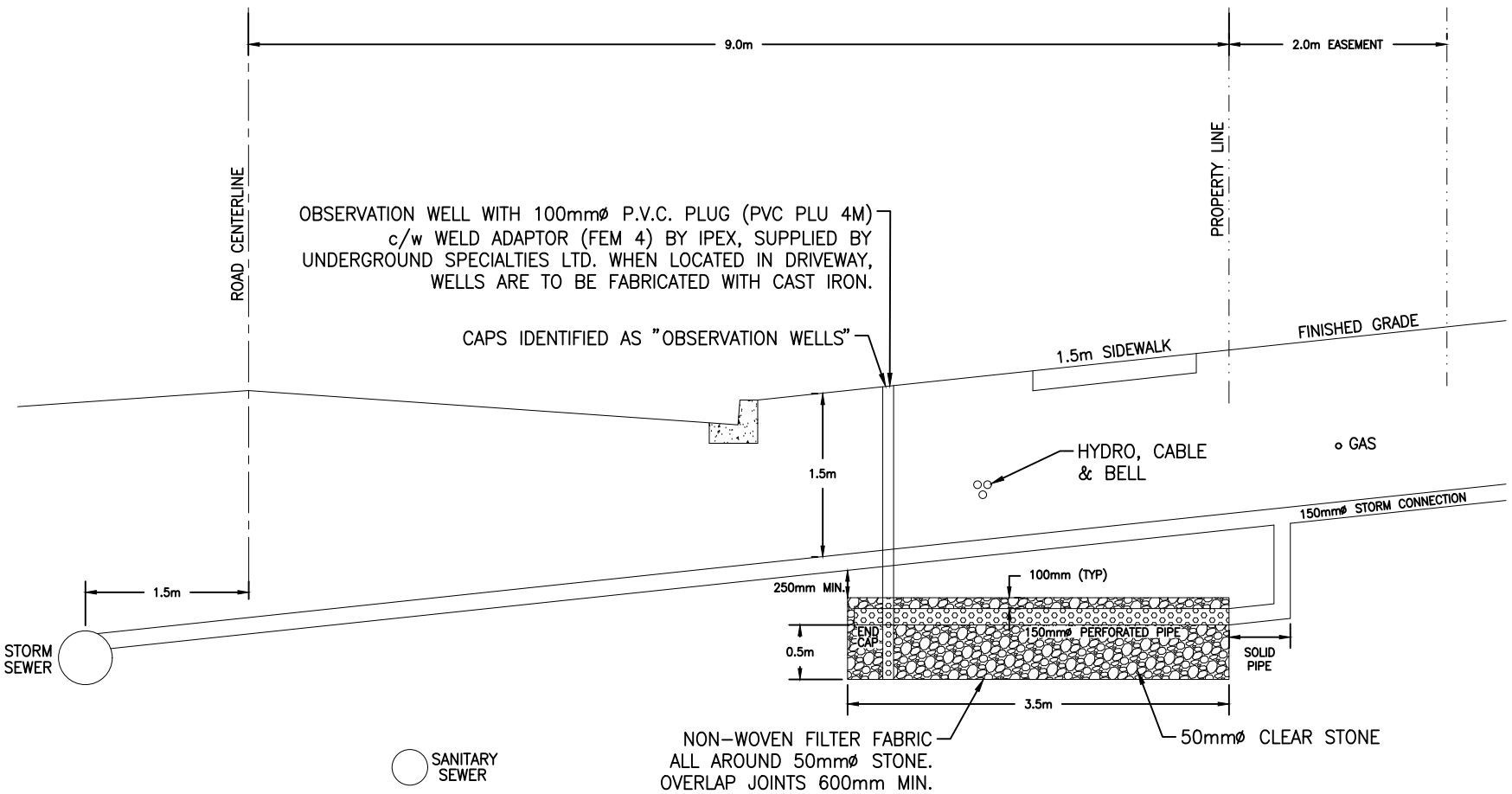
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Figure No.
9

Title
TYPICAL LOT SERVICING DETAIL



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60308671

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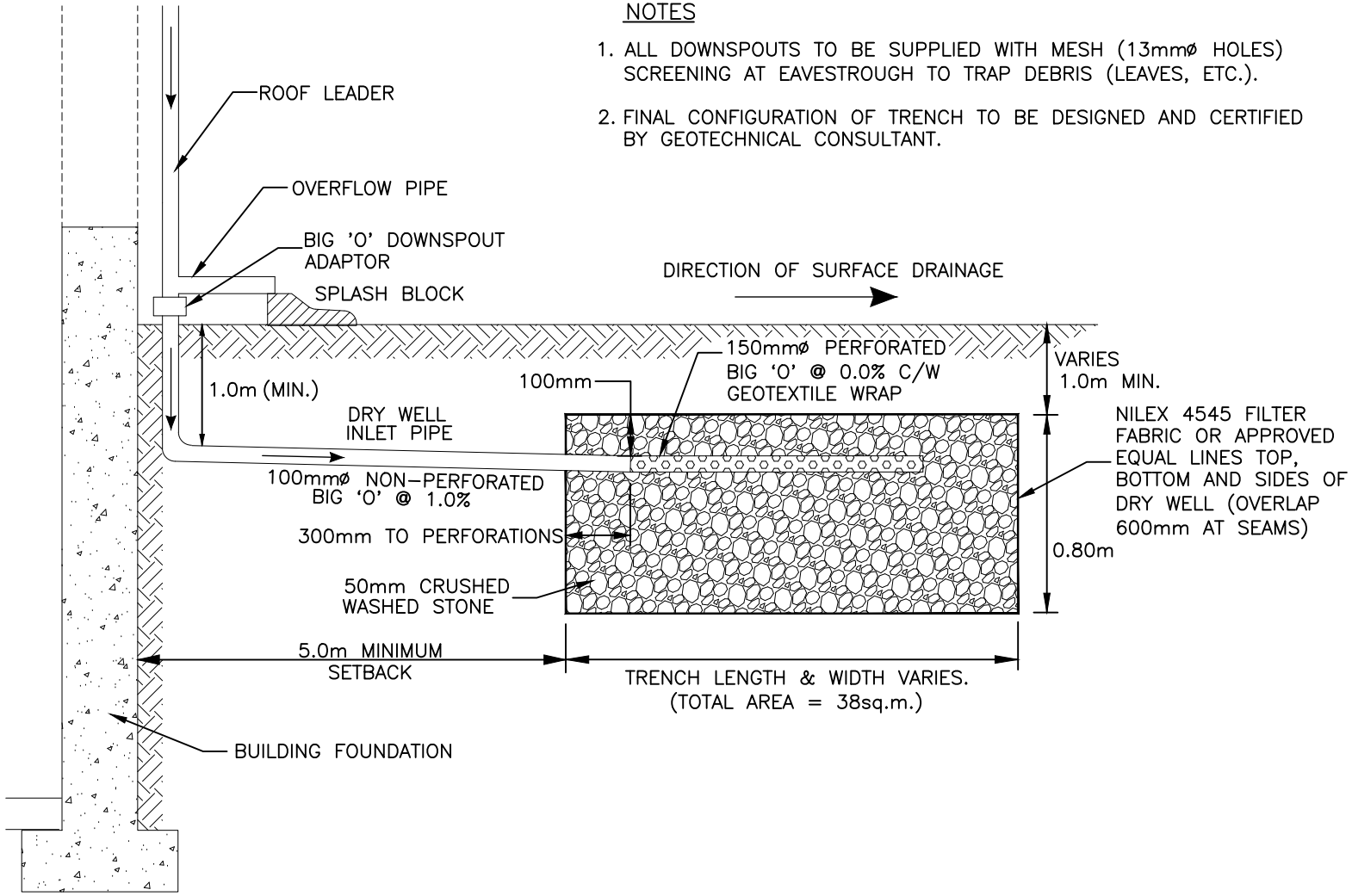
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Figure No.
10

Title
INFILTRATION GALLERY DETAIL
in boulevard - Single Lot

NOTES

1. ALL DOWNSPOUTS TO BE SUPPLIED WITH MESH (13mmø HOLES) SCREENING AT EAVESTROUGH TO TRAP DEBRIS (LEAVES, ETC.).
2. FINAL CONFIGURATION OF TRENCH TO BE DESIGNED AND CERTIFIED BY GEOTECHNICAL CONSULTANT.



ORIGINAL SHEET - ANSI A

April 2020
60308671

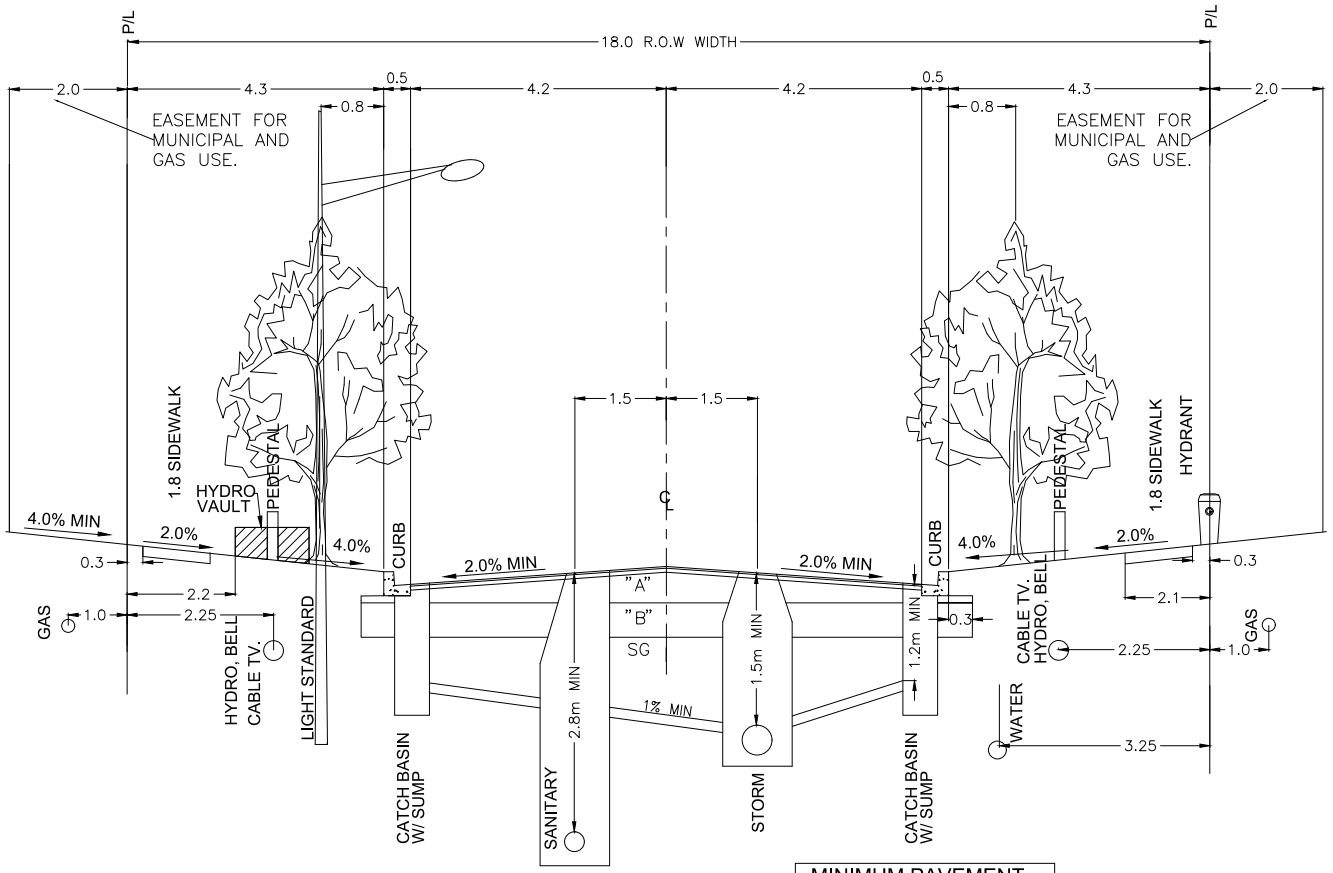
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Figure No.
11

Title
TYPICAL REAR YARD SOAK AWAY PIT



CROSS SECTIONAL POINTS	
DESCRIPTION	OFFSET FROM CENTERLINE
EDGE OF PAVEMENT	-0.084
TOP OF CURB	+0.041
FRONT OF WALK	+0.141
BACK OF WALK	+0.171
PROPERTY LINE	+0.191

UTILITY	MIN. COVER
SANITARY	3.0
STORM	1.5
WATER	2.0
HYDRO	0.9
BELL	0.76
CABLE	0.76
GAS	0.76

MINIMUM PAVEMENT THICKNESS (NOTE 2)
40 mm HL3
50 mm HL8
150 mm G.B.C. "A"
450 mm G.B.C. "B"
1200 mm COMPACTED SUBGRADE

SCALE: N.T.S.

NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. WHERE THE SOILS CONSULTANT'S RECOMMENDATIONS EXCEED MINIMUMS NOTED, THE SOILS CONSULTANT'S RECOMMENDATIONS SHALL BE USED.

BASED ON CITY OF WATERLOO STANDARD DRAWING W-202

ORIGINAL SHEET - ANSI A

April 2020
60308671

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Figure No.
12

Title
PROPOSED ROAD CROSS-SECTION
18.0m R.O.W. - 9.0m ROAD

Based on the findings of this report, the following recommendations are provided:

- A suitable amended topsoil mixture should be determined at a future design stage through consultation with a Landscape Architect and the Engineer to ensure the design assumptions for the development are achieved.
- The SWM measures outlined in this report are sufficient to obtain Draft Plan Approval of the subdivision.
- The water balance for the site be revisited at detailed design to ensure the NWSSS target criteria are achieved following the final site layout.

7.7 EROSION AND SEDIMENT CONTROL PLAN

To control erosion and transportation of sediment offsite, an erosion and sediment control plan will be required during the construction process. This Plan will focus on the protection of downstream watercourses and lands.

7.7.1 Erosion Potential Impact

The "Greater Golden Horseshoe Area Conservation Authorities' Erosion and Sediment Control Guideline for Urban Construction" (2006) was used to determine the erosion potential of the site. The erosion potential is based on slope gradient, slope length and soil texture and is then used to determine the appropriate erosion control methods.

Site slope gradients for the development can be summarized as moderate slopes (2-10%) with an average slope in the order of 5%. The slope lengths are generally long (greater than 30 m). Site soils are comprised primarily of silt clays which are considered to represent a medium to high erodibility potential. Thus, the overall erosion potential for the site is "moderate" to "high", depending on the specific location on the site.

7.7.2 Erosion and Sediment Control Plan

The following approach to erosion and sediment control onsite has been prepared to minimize the potential impacts associated with onsite erosion and/or offsite transport of sediment to downstream areas including the Laurel Creek Reservoir, the ultimate receiver of the site runoff.

At the time of final design and prior to any grading or servicing works commencing onsite, an erosion and sedimentation control plan will be prepared for implementation prior to or during construction as applicable. The proposed erosion and sedimentation controls may include but are not limited to the following items:

- Steep slopes (>3:1) shall have erosion blankets.

- Light and/or heavy duty silt fencing will be erected on all site boundaries where there is potential for runoff to be discharged offsite, to protect adjacent and downstream lands from migration of sediment in overland flow. The location of this fencing will be adjacent to the limit of grading. Silt fence attached to paige wire fencing will be installed throughout the site adjacent to sensitive areas.
- Erosion control berms/swales will be located in appropriate (critical) areas to divert flows to the sediment basins.
- Storm service outlets will be installed during servicing and roadwork construction to provide lot level dead and live storage outlets.
- A construction entrance feature ("mud mat") will be provided at all site entrances to minimize the offsite transport of sediment via construction vehicles.
- Runoff will be directed to a temporary sedimentation basin via swales to minimize untreated runoff discharged from site.
- Swales constructed onsite will use small weirs to help attenuate flows and encourage deposition of suspended sediment where appropriate.
- All disturbed areas where construction is not expected for 30 days are to be re-vegetated with 50 mm of topsoil and hydro-seeded according to OPSS 804.
- During construction, all catchbasins are to be sealed until roads are paved to prevent sediment deposition in the catchbasins sumps and conveyance of silt to the downstream storm sewer system on Conservation Drive.
- Following completion of construction, and site stabilization, all erosion and sediment control measures and accumulated sediment are to be removed.

The erosion control measures are to be maintained in good repair during the entire construction period and shall only be removed as contributing drainage areas are restored and stabilized. In addition, the condition of erosion control works, their overall performance, and any repairs replacement or modifications to the installed item shall be noted in monitoring reports submitted to the GRCA and the City of Waterloo. Monitoring reports should be submitted bi-monthly (quarterly during periods of inactivity) and should be based on inspection completed bi-weekly or after any significant rainfall events (> 13mm), whichever is more frequent. Erosion considerations will also be addressed in the design of the communal stormwater management facility.

7.8 MONITORING, MAINTENANCE, AND MITIGATION PROGRAM

Monitoring and maintenance activities are an important part of a SWM Strategy to ensure the designed features continue to operate as intended. As such, inspections should take place at a regular frequency to observe any evidence of sediment deposition or malfunctioning of the proposed infiltration trenches.

Monitoring of Conservation Meadows has been ongoing since 2006 to capture baseline results for groundwater levels. Additional monitoring wells were installed on the Conservation Meadows Phase 2 lands in 2017. Per the City of Waterloo Development Engineering Manual, monitoring programs are to include surface water, groundwater, and terrestrial features. For the subject site, no surface water or natural heritage features have been identified. As such, monitoring has captured groundwater levels only.

Once construction begins, the erosion and sediment control inspections will start per Section 7.7 as well as continued groundwater monitoring. Post-construction monitoring will begin following 90% stabilization by area and will continue for two (2) years. The program will focus on the site's SWM systems and infiltration trenches.

The following monitoring/inspection components should be performed during the post-construction monitoring program to ensure the continued operation of the stormwater management system and its components:

- Check infiltration trench drain time after significant events (10 mm or greater) to ensure trench drain time generally matches the design drain time for the 25 mm event; larger events are anticipated to produce longer drain times;
- Seasonal inspection (i.e., four times per year) and maintenance of the site storm system including catchbasins and manholes for sediment deposition and clogging; cleanouts should occur on an as-needed basis; and
- Photographic inventory of the site and all stormwater-related infrastructure at similar photo locations for each visit. Any deficiencies should be noted and addressed as soon as possible.

After two (2) years of monitoring, all infiltration trenches and stormwater management features located in the boulevards and public space will become the responsibility of the City while all private facilities (located in rear yards, multi-blocks) will become the responsibility of the homeowner or condo corporation. It is recommended individual monitoring programs be provided for each multiblock as part of site plan approval to ensure the private sites continue to monitor within the subdivision.

It is expected that area grading will proceed prior to the implementation of the communal stormwater management facility and the maintenance of the facility will be addressed through the approval process associated with same.

8.0 STORM DRAINAGE

As explained in Section 7.0 of this report, the stormwater management water quality for this site is being managed in a community SWM facility on Beaver Creek Road. Stormwater quantity control is not required. In discussions with the City, they have advised that storm drainage into the Conservation Drive storm sewer to the SWM facility should be sized based on 100-year post development flows (2.60 m3/s) less 100-year pre-development flows (0.443 m3/s) for a total of 2.16 m3/s. The 100-year flows are being conveyed by the internal storm sewers to Conservation Drive. At this location on Conservation Drive, the storm drainage will be conveyed into the SWM facility, based on a flow of 2.16 m3/s. Major flows by-pass the facility and discharge into a swale outletting into the Laurel Creek Reservoir.

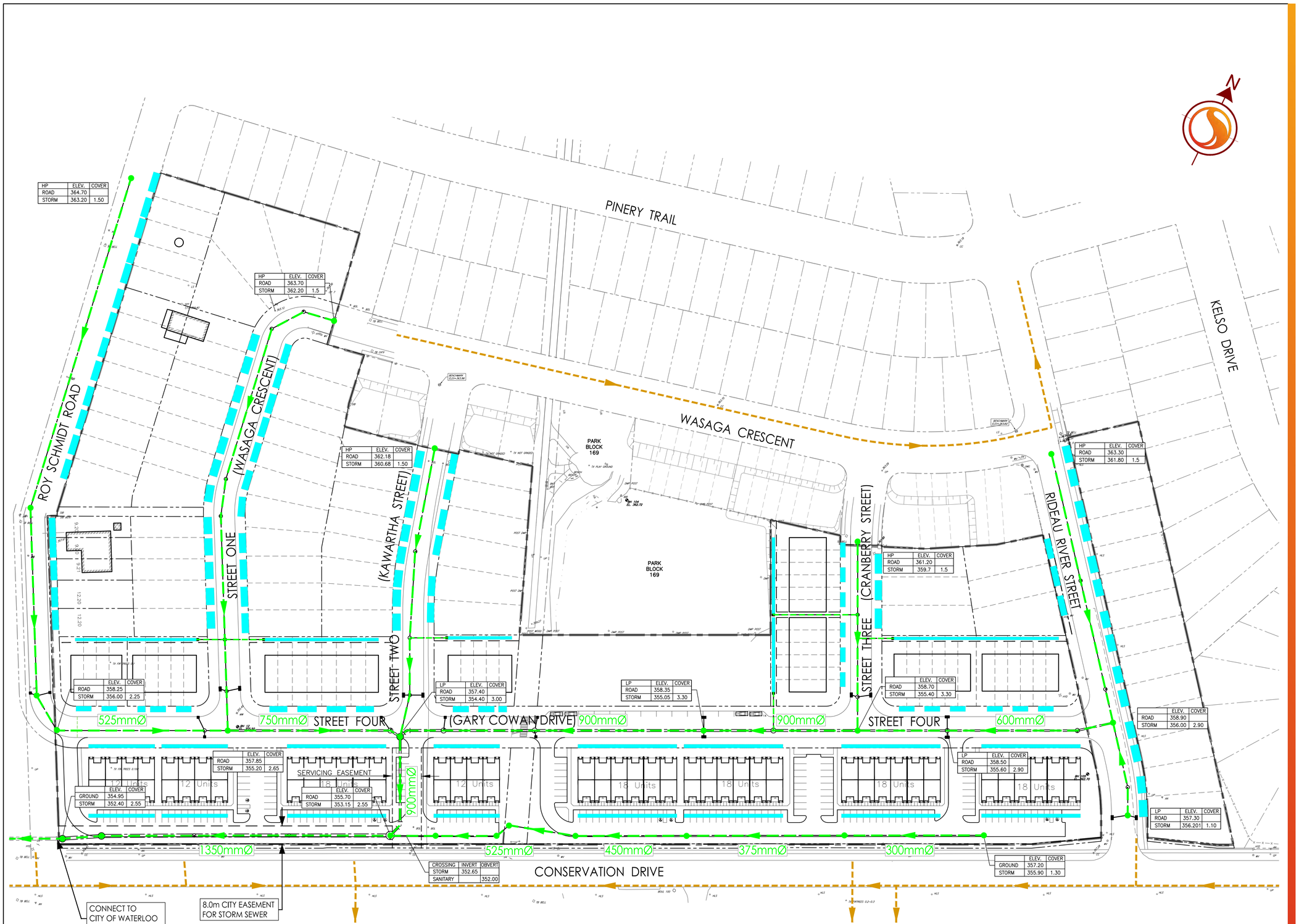
In order to practically provide for multiple catchbasins within the site to inlet the 100-year flows, the profiles now consist of adequate low points and multiple catchbasins can be installed at low points. A minor change in the road cross section is proposed. Figure 12 illustrates the cross section where no catchbasin manholes are proposed to allow for 2 or more, double catchbasins at the gutter line to be installed side by side.

It is noted that a storm sewer already exists on Conservation Drive which was installed during road construction in 2011 and discharges to the south toward the trailer park lands.

Figure 13 illustrates the concept plan for storm servicing. In order to avoid reconstruction works of installing a second storm sewer on Conservation Drive, the storm sewer is proposed to be installed within an easement immediately adjacent to Conservation Drive. This sewer will be used for the dual purpose of conveying subdivision flows and is also being used as an overflow outlet from the infiltration galleries at the rear of the back to back or stacked townhouses adjacent to Conservation Drive. It is noted that this sewer connects to a proposed storm sewer on Conservation Drive (at the extreme west limit of the site). This area of Conservation Drive is within the limits being reconstructed by the City with a new cross section, road profile and storm sewer.

To avoid vertical conflicts with the existing sanitary sewer extending into the site from Conservation Drive, the storm sewer outlet easement, and to match into the City's storm design on Conservation Drive, the storm sewer is expected to be H.E. equivalent 1,350 mm diameter at 0.30%. This is limited to the last reach of storm sewer on the easement between the existing sanitary sewer and the west limit of the subdivision.

Storm sewer design sheets for the 100-year pre-development and post-development site conditions are provided in Appendix C.



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Notes

1. BENCHMARK:
CUT CROSS IN CONCRETE CURB, NORTH EAST CORNER OF RIDEAU RIVER STREET AND WASACA CRESCENT, CITY OF WATERLOO.
ELEVATION = 363.82m
2. TOPOGRAPHIC SURVEY BY STANTEC CONSULTING LTD. DATED APRIL 2016. ELEVATIONS ARE REFFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD-1929:1978)
3. DRAFT PLAN FOR LANDS PROVIDED BY MHBC DATED OCTOBER 21, 2016

Legend

- PROPERTY LINE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED INFILTRATION GALLERY
- PROPOSED INDIVIDUAL INFILTRATION GALLERIES - 1 PER LOT

LP	ELEV.	COVER
ROAD	363.20	
STORM	361.70	1.50

ROAD STATUS (LP = LOW POINT, HP = HIGH POINT)
ROAD ELEVATION
COVER OVER SEWER (TO OBVERT)
SEWER OBVERT ELEVATION

Revision	By	Appd.	YY.MM.DD
File Name: 60308671_C-UG-STORM.dwg	M.A.R. Dwn.	J.L.G. Chkd.	M.A.R. Dsgn.	20.05.12 YY.MM.DD

Permit-Seal

Client/Project
ACTIVA HOLDINGS INC.

CONSERVATION MEADOWS SUBDIVISION
PHASE 2
Waterloo, ON.

Title
STORM SERVICING
CONCEPT PLAN

Project No.	Scale	Sheet	Revision
60308671	1:750	Figure 13 of	0

0 7.5 22.5 37.5m

V:\01\633\active\60308671\design\drawing\civil\sheet_files\FSR\60308671_C-UG-STORM.dwg
2020/05/12 4:36 PM By: Rosie, Martin

ORIGINAL SHEET - ARCH D

9.0 UTILITIES

9.1 WATERLOO NORTH HYDRO

In conjunction with the reconstruction of Conservation Drive starting from Roy Schmidt Road and to the west, Waterloo North Hydro is relocating and rebuilding their overhead pole line. Waterloo North Hydro advises they will need to expand the existing single phase line to a 3 phase line and provide additional service with a pole line on Roy Schmidt Road. Waterloo North Hydro also advises they currently have an underground plant on Wasaga Crescent, Pinery Trail and Rideau River Street that have excess capacity to provide service the proposed development.

Specifically, Waterloo North Hydro advises of the following:

- Waterloo North Hydro standard conditions in effect at the time of servicing will apply.
- Decreased setbacks (if proposed) may necessitate the installation of non-combustible barrier walls between Waterloo North Hydro padmounted transformers and the housing unit as per the Ontario Electrical Safety Code, Section 26-014. This installation would be at 100% the developer's cost and may require a revised right-of-way cross section to facilitate the installation due to the proximity of the padmounted transformer to the sidewalk.
- Waterloo North Hydro requires a minimum 1.2 metres (4') wide clear access in front of and around the meter location on the side of the lot where the services stub is located. If less than 1.2 metres (4') is provided, a registered easement on the adjacent lot must be granted at no cost to Waterloo North Hydro. This easement is to be free of encumbrances, including fences. If this access/easement cannot be provided, the meter must be placed on the front face of the house.
- For on-street townhouse blocks, ganged meter bases must be placed on the end units in accordance with Waterloo North Hydro's final design. A blanket easement is required over all townhouse blocks.
- Additional easements may be required.
- Any relocation of existing Waterloo North Hydro facilities, if possible, will be at 100% the applicant's cost.
- Prior to completion of final design by Waterloo North Hydro, the final lot fabric must be established and engineering drawings forwarded to Waterloo North Hydro, a minimum of 3 months before the start of Waterloo North Hydro's installation.
- An overhead electrical distribution line exists along Conservation Drive. A minimum of 3 metre clearance must be maintained from overhead electrical distribution circuits to a building to comply with the Occupational Health and Safety Act, to accommodate initial construction and maintenance activities on the building. This will require any buildings to be a minimum of 5 metres back from the nearest conductor on the overhead line.

- The applicant will be responsible for the removal of the pole line on Rideau River Street.
- Any changes to the existing distribution system to continue to supply any existing customers will be at 100% the applicant's cost.

9.2 BELL CANADA

Bell Canada advises this development will be served with fiber technology. However, the surrounding existing area is serviced with copper. Bell plans to extend their structure from Lake Louise Boulevard to pull the new fiber through to service this development. They will coordinate their work with the hydro servicing plan and would most likely be installed in a joint trench with Hydro and Rogers. Inside the development, Bell plans on placing a CSP (fibre splice box) that will service the development on municipal property. Plans also are anticipated to bring a fibre feed down Beaver Creek Road to the development.

9.3 ENBRIDGE

Enbridge (formerly Union Gas) has existing plant on Rideau River Street, Cranberry Street, Kawartha Street and Wasaga Crescent. It is expected that these services will be extended throughout the subdivision to service the site. It is also possible that a main extension may be required along Conservation Drive.

9.4 ROGERS CABLE

Rogers advises they have no constraints to providing service. They advised they will service the development from the existing plant on Conservation Drive and Rideau River Street.

10.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the finding of this report, it is concluded that:

- The proposed Conservation Meadows Subdivision, Phase 2 can be adequately serviced by municipal sewage, storm drainage, water services and utilities.
- Municipal servicing and roadworks can be provided in accordance with the City of Waterloo standards.
- SWM measures provided onsite and offsite can be provided in accordance with various agency guidelines.
- The subdivision can be serviced with Hydro, Bell, Cable and Gas extended from existing facilities surrounding the site.
- On-site infiltration for the multiple and mixed use should be addressed through the site plan approval process

It is further recommended that:

- The report be circulated to the City, Region and various approval agencies in support of the Draft Plan Application for the Conservation Meadows Subdivision, Phase 2.
- Detailed grading and servicing design drawings be prepared, and a Final Stormwater Management Report and Erosion and Sediment Control Plan be completed once the subject lands have been Draft Plan Approved.

APPENDIX A

WATER BALANCE AND INFILTRATION CALCULATIONS

Stantec

```
00001> *  Waterloo North Scoped SWS
00002> * ========================================================================
00003> * August, 2011, M. Trudell
00004> * Located in Waterloo,Ontario
00005> * USE TO MAKE Continuous WAT Files
00006> * ========================================================================
00007> *
00008> * Response Unit Soil drainage parameters for North Waterloo Scoped SWS
00009> * ====================================================================
00010>
00011>
00012> READ SOIL PARAMETERS  NZONE=9
00013>                          IMP  CLAY TILL   SILT TILL  SAND TILL  SND/GRV
00014>                              MED  HIGH   MED  HIGH   MED  HIGH   MED  Swamp
00015>                    DS=    2   8.0  15.0   8.0  15.0   8.0  15.0   8.0   100
00016>                    KEFF=  0   2.0   4.0  10.0  15.0  15.0  40.0  25.0   0.1
00017>                    CS=    0   1.0   2.0   7.5  11.2  11.2  30.0  19.0  0.05
00018>                    D=     0   0.2   0.4   1.0   1.5   1.5   4.0   2.5  0.01
00019>                    SAV=   0   200   200   200   200   200   200   250   200
00020>                    HI=    0   100   100   100   200   100   200   200   200
00021>                    SMCI=  0  0.56  0.56  0.54  0.54  0.46  0.46   0.4  0.56
00022>                    IMCI=  0  0.46  0.46  0.40  0.40  0.23  0.23   0.1  0.46
00023>                    FCAPI= 0  0.46  0.46  0.40  0.40  0.23  0.23   0.1  0.46
00024>                    WILTI= 0  0.27  0.27  0.19  0.19  0.07  0.07  0.04  0.27
00025>                    HII=   0   150   150   300   400   300   600   400     5
00026>                    SMCII= 0  0.56  0.56  0.54  0.54  0.46  0.46   0.4  0.56
00027>                    IMCII= 0  0.46  0.46  0.40  0.40  0.23  0.23   0.1  0.46
00028>                    FCAPII=0  0.46  0.46  0.40  0.40  0.23  0.23   0.1  0.46
00029>                    WILTII=0  0.27  0.27  0.19  0.19  0.07  0.07  0.04  0.27
00030>                    X=     0    1    0     0     0     0     0     0     1
00031>                    FATR=  1    1    1     1     1     1     1     1     1
00032>                    INC =  1    1    5     1     5     1     5     1     5
00033>
00034> *
00035> * Go to event file
00036> *
00037> CHANGE INPUT FILE
00038> *
00039> * Main channel, in subcatchment 301                                      7
00040> *
00041> COMPUTE RATING CURVE ID=1  VS=     2.000   NSEGS=3
00042>                        MIN EL=  100.00   MAX EL=  101.30
00043>                        CHNSLP= 0.01000   FLNSLP= 0.01000
00044>                        N= 0.100  DIST=   18.90
00045>                        N=-0.080  DIST=   21.10
00046>                        N= 0.100  DIST=   40.00
00047>                          DIST    ELEV     DIST    ELEV     DIST    ELEV
00048>                           0.00  101.30    18.90  100.80    19.00  100.40
00049>                          20.00  100.00    21.00  100.40    21.10  100.80
00050>                          40.00  101.30
00051>                       RFN=0.0000 PCODE=1
00052> *
00053> *  Typical off-channel (Steep areas)                                     6
00054> *
00055> COMPUTE RATING CURVE ID=5  VS=     1.000   NSEGS=3
00056>                        MIN EL=  100.00   MAX EL=  100.80
00057>                        CHNSLP= 0.01500   FLNSLP= 0.01500
00058>                        N= 0.350  DIST=   24.45
00059>                        N=-0.150  DIST=   25.50
00060>                        N= 0.350  DIST=   50.00
00061>                          DIST    ELEV     DIST    ELEV     DIST    ELEV
00062>                           0.00  100.80    24.45  100.30    24.75  100.00
00063>                          25.25  100.00    25.50  100.30    50.00  100.80
00064>                       RFN=0.0000 PCODE=1
00065> *
00066> * Compute runoff hydrograph from area  301
00067> * VS=   2.000 is main channel & VS=   1.000 is off-channel
00068> *
00069> COMPUTE FLOWRATE    ID=1 NHD= 301 AREA=   2.6500 Sq km  L=  2910 m  W=   882 m
00070>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00071>                      1.0   0.0  0.0  50.7 23.3  11.5  2.9   0.0 10.6
00072>                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
00073>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 3.0 TLO= 0.0
00074>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00075>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00076>                    GWFACT=0.50 GWON=1
00077>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00078> *
00079> *  Beaver Creek, in subcatchment 381                                    13
00080> *
00081> COMPUTE RATING CURVE ID=2  VS=     3.000   NSEGS=3
00082>                        MIN EL=  335.00   MAX EL=  354.00
00083>                        CHNSLP= 0.02100   FLNSLP= 0.02100
00084>                        N= 0.080  DIST=   89.00
00085>                        N=-0.080  DIST=   95.00
00086>                        N= 0.080  DIST=  213.00
00087>                          DIST    ELEV     DIST    ELEV     DIST    ELEV
00088>                           0.00  335.00    16.00  353.00    39.00  352.00
00089>                          53.00  351.50    77.00  351.00    89.00  350.80
00090>                          92.00  350.60    95.00  350.80   102.00  351.00
00091>                         152.00  351.50   185.00  352.00   201.00  353.00
00092>                         213.00  354.00
00093>                       RFN=0.0000 PCODE=1
00094> *
00095> * Beaver Creek through 381
00096> * Using Valley Section      3.000 As channel Rating Curve
00097> *
00098> ROUTE CHANNEL       ID=2 HYD NO= 111 INFLOW=1 LENGTH=  2100 m  SLOPE=0.00210
00099>                     RCID=2 NS=1 PCODE=1 INDEX=1 PIPE=0 CANOPY=  0.0%
00100> *
00101> *  Main channel, in subcatchment 381                                    6
00102> *
00103> COMPUTE RATING CURVE ID=3  VS=     2.100   NSEGS=3
00104>                        MIN EL=  100.40   MAX EL=  100.80
00105>                        CHNSLP= 0.01700   FLNSLP= 0.01700
00106>                        N= 0.060  DIST=    0.80
00107>                        N=-0.060  DIST=    2.90
00108>                        N= 0.060  DIST=    3.70
00109>                          DIST    ELEV     DIST    ELEV     DIST    ELEV
00110>                           0.00  100.80    0.80  100.60    1.70  100.40
00111>                           2.10  100.40    2.90  100.60    3.70  100.80
00112>                       RFN=0.0000 PCODE=1
00113> *
00114> * Typical off-channel (Flat slopes)                                     6
00115> *
00116> COMPUTE RATING CURVE ID=6  VS=     1.100   NSEGS=3
00117>                        MIN EL=  100.00   MAX EL=  100.60
00118>                        CHNSLP= 0.01000   FLNSLP= 0.01000
00119>                        N= 0.350  DIST=   39.15
00120>                        N=-0.150  DIST=   40.85
00121>                        N= 0.350  DIST=   80.00
00122>                          DIST    ELEV     DIST    ELEV     DIST    ELEV
00123>                           0.00  100.60    39.15  100.20    39.75  100.00
00124>                          40.25  100.00    40.85  100.20    80.00  100.60
00125>                       RFN=0.0000 PCODE=1
00126> *
00127> * Compute runoff hydrograph from area  381
00128> * VS=   2.100 is main channel & VS=   1.100 is off-channel
00129> *
00130> COMPUTE FLOWRATE    ID=1 NHD= 381 AREA=   3.3100 Sq km  L=  2340 m  W=   707 m
00131>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00132>                      1.0   0.0  0.0  73.4 13.2   1.3  0.5   0.0 10.6
00133>                    RATING CURVES: IDMC=3 IDOC=6 QRMC=  0.50 QROC=  0.05
00134>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 3.0 TLO= 0.0
00135>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00136>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00137>                    GWFACT=0.50 GWON=1
00138>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00139> *
00140> * Sum hydr.  111 &  381 call result  281
00141> *
00142> ADD HYD             ID=3 HYD NO= 281 IDA=2 IDB=1 ICODE=0                  AREA=
00143> *
00144> * Swamp storage reservoir
00145> *
00146> ROUTE RESERVOIR     ID=1 HYD NO= 581 INFLOW=3 PCODE=0 OPTION= 4
00147>                     ILEVEL=   349.500
00148>                      ELEVATION   OUTFLOW     STORAGE
00149>                         (m)       (cms)      (ha*m)
00150>                        349.500      0.0000      0.0100
00151>                        350.000      0.4200      0.6700
00152>                        350.500      3.0400      3.1200
00153>                        351.000      8.8500      8.1100
00154>                        351.500     15.2000     15.8700
00155>                        352.000     21.5000     26.8500
00156>                        352.500     28.7000     41.0200
00157>                        352.800     34.3000     50.7600
00158> *
00159> * Beaver Creek in subcatchment 391, to Conservation Drive                11
00160> *
00161> COMPUTE RATING CURVE ID=4  VS=     4.000   NSEGS=3
00162>                       MIN EL=  344.40   MAX EL=  346.02
00163>                       CHNSLP= 0.02600   FLNSLP= 0.02600
00164>                       N= 0.080  DIST=    6.50
00165>                       N=-0.045  DIST=   12.60
00166>                       N= 0.080  DIST=   16.20
00167>                         DIST    ELEV     DIST    ELEV     DIST    ELEV
00168>                          0.00  346.02     3.40  345.96     6.50  345.43
00169>                          7.20  345.01     8.80  344.40     9.60  344.46
00170>                         10.60  344.61    11.00  344.75    11.70  345.00
00171>                         12.60  345.39    16.20  345.90
00172>                       RFN=0.0000 PCODE=1
00173> *
00174> * Beaver Creek through 391, north of Conservation Drive
00175> * Using Valley Section      4.000 As channel Rating Curve
00176> *
00177> ROUTE CHANNEL       ID=2 HYD NO= 121 INFLOW=1 LENGTH=   690 m  SLOPE=0.00310
00178>                     RCID=4 NS=1 PCODE=1 INDEX=1 PIPE=0 CANOPY=  0.0%
00179> *
00180> *CHANGE INPUT FILE
00181> *
00182> * Response Unit Soil drainage parameters for North Waterloo Scoped SWS
00183> * ====================================================================
00184>
00185>
00186> READ SOIL PARAMETERS  NZONE=9
00187>                          IMP  CLAY TILL   SILT TILL  SAND TILL   Roof  SAND
00188>                              MED  HIGH   MED  HIGH   MED  HIGH   IMP   LOW
00189>                    DS=    2   8.0  15.0   8.0  15.0   8.0  15.0   0.5   5.0
00190>                    KEFF=  0   2.0   4.0  10.0  15.0  15.0  40.0   0.0  10.0
00191>                    CS=    0   1.0   2.0   7.5  11.2  11.2  30.0   0.0   7.5
00192>                    D=     0   0.2   0.4   1.0   1.5   1.5   4.0   0.0   1.0
00193>                    SAV=   0   200   200   200   200   200   200   200   200
00194>                    HI=    0   100   100   100   200   100   200     1   100
00195>                    SMCI=  0  0.56  0.56  0.54  0.54  0.46  0.46  0.54  0.46
00196>                    IMCI=  0  0.46  0.46  0.40  0.40  0.23  0.23  0.54  0.23
00197>                    FCAPI= 0  0.46  0.46  0.40  0.40  0.23  0.23  0.40  0.23
00198>                    WILTI= 0  0.27  0.27  0.19  0.19  0.07  0.07  0.40  0.07
00199>                    HII=   0   150   150   300   400   300   600     1   300
00200>                    SMCII= 0  0.56  0.56  0.54  0.54  0.46  0.46  0.54  0.46
00201>                    IMCII= 0  0.46  0.46  0.40  0.40  0.23  0.23  0.54  0.23
00202>                    FCAPII=0  0.46  0.46  0.40  0.40  0.23  0.23  0.40  0.23
00203>                    WILTII=0  0.27  0.27  0.19  0.19  0.07  0.07  0.40  0.07
00204>                    X=     0    1    0     0     0     0     0     0     0
00205>                    FATR=  1    1    1     1     1     1     1     1     1
00206>                    INC =  1    1    5     1     5     1     5     1     1
00207>
00208> *
00209> * Go to event file
00210> *
00211> CHANGE INPUT FILE
00212> *
00213> *  Main channel Parabolic Swale - Flat                                   7
00214> *
00215> COMPUTE RATING CURVE ID=1  VS=     7.000   NSEGS=3
00216>                        MIN EL=  100.70   MAX EL=  103.00
00217>                        CHNSLP= 0.01000   FLNSLP= 0.01000
00218>                        N= 0.070  DIST=   20.00
00219>                        N=-0.050  DIST=   30.00
00220>                        N= 0.070  DIST=   50.00
00221>                          DIST    ELEV     DIST    ELEV     DIST    ELEV
00222>                           0.00  103.00    20.00  101.00    23.00  100.80
00223>                          25.00  100.70    27.00  100.80    30.00  101.00
00224>                          50.00  103.00
00225>                       RFN=0.0000 PCODE=1
00226> *
00227> * Compute runoff hydrograph from area 3916
00228> * VS=   7.000 is main channel & VS=   1.000 is off-channel
00229> *
00230> COMPUTE FLOWRATE    ID=1 NHD=3916 AREA=   0.0260 Sq km  L=   150 m  W=   100 m
00231>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00232>                      1.0   0.0  0.0  35.0  0.0  64.0  0.0   0.0  0.0
00233>                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
00234>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
00235>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00236>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00237>                    GWFACT=0.00 GWON=0
00238>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00239> *
00240> * Compute runoff hydrograph from area 3919
00241> * VS=   7.000 is main channel & VS=   1.000 is off-channel
00242> *
00243> COMPUTE FLOWRATE    ID=3 NHD=3919 AREA=   0.1360 Sq km  L=   200 m  W=   180 m
00244>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00245>                      1.0   0.0  0.0  22.0  3.0  74.0  0.0   0.0  0.0
00246>                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
00247>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
00248>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00249>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00250>                    GWFACT=0.00 GWON=0
00251>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00252> *
00253> * Sum hydr. 3916 & 3919 call result 2000
00254> *
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00255> ADD HYD             ID=4 HYD NO=2000 IDA=1 IDB=3 ICODE=0                  AREA=
00256> *
00257> * Compute runoff hydrograph from area 3910
00258> * VS=   4.000 is main channel & VS=   1.100 is off-channel
00259> *
00260> COMPUTE FLOWRATE    ID=1 NHD=3910 AREA=   0.1760 Sq km  L=   300 m  W=   200 m
00261>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00262>                      1.0   0.0  5.0  16.3 38.1  11.9 27.7   0.0  0.0
00263>                    RATING CURVES: IDMC=4 IDOC=6 QRMC=  0.50 QROC=  0.05
00264>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
00265>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00266>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00267>                    GWFACT=0.00 GWON=0
00268>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00269> *
00270> * Sum hydr. 2000 & 3910 call result 2001
00271> *
00272> ADD HYD             ID=3 HYD NO=2001 IDA=4 IDB=1 ICODE=0                  AREA=
00273> *
00274> *   Typical Urban Cross-Section                                           6
00275> *
00276> COMPUTE RATING CURVE ID=1  VS=     8.000   NSEGS=3
00277>                      MIN EL=  295.00   MAX EL=  295.70
00278>                      CHNSLP= 0.00500   FLNSLP= 0.00500
00279>                      N= 0.015  DIST=  200.00
00280>                      N=-0.015  DIST=  300.00
00281>                      N= 0.015  DIST=  500.00
00282>                        DIST    ELEV     DIST    ELEV     DIST    ELEV
00283>                        0.00  295.70   200.00  295.50   200.10  295.00
00284>                      299.90  295.00   300.00  295.50   500.00  295.70
00285>                     RFN=0.0000 PCODE=1
00286> *
00287> *   Typical Urban Cross-Section                                           6
00288> *
00289> COMPUTE RATING CURVE ID=6  VS=     8.000   NSEGS=3
00290>                      MIN EL=  295.00   MAX EL=  295.70
00291>                      CHNSLP= 0.00500   FLNSLP= 0.00500
00292>                      N= 0.015  DIST=  200.00
00293>                      N=-0.015  DIST=  300.00
00294>                      N= 0.015  DIST=  500.00
00295>                        DIST    ELEV     DIST    ELEV     DIST    ELEV
00296>                        0.00  295.70   200.00  295.50   200.10  295.00
00297>                      299.90  295.00   300.00  295.50   500.00  295.70
00298>                     RFN=0.0000 PCODE=1
00299> *
00300> * Compute runoff hydrograph from area 7912
00301> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00302> *
00303> COMPUTE FLOWRATE    ID=1 NHD=7912 AREA=   0.0270 Sq km  L=   450 m  W=    50 m
00304>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00305>                      1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
00306>                    RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
00307>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00308>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00309>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00310>                    GWFACT=0.00 GWON=0
00311>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00312> *
00313> * Rooftop Infiltration for 7912
00314> *
00315> ROUTE SPECIAL POND  ID=4 HYD NO=6912 INFLOW=1 PCODE=0 OPTION= 5
00316>                    Inflow controls:
00317>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00318>                        GWPCT=  0% GWDIV=0
00319>                    Maximum level for Routing Tables:  ZMAX= 101.300
00320>                    Recharge characteristics for Compartment A
00321>                      LEVELA= 100.000              EVAPA= 0.0 mm/d ACODE=0
00322>                      CDA=   0.000 mm/h  DZA= 10.00 m
00323>                    Recharge characteristics for Compartment B
00324>                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00325>                      CDB=  15.000 mm/h  DZB= 10.00 m
00326>                    Irrigation Pond Controls: IPOND=0
00327>                    Number of points=  5
00328>                                  Compartment  A          Compartment B
00329>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00330>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00331>                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0672
00332>                     100.999     0.000  0.0000  0.0000   0.000  0.0671  0.0672
00333>                     101.000     0.000  0.0000  0.0000   0.001  0.0672  0.0672
00334>                     101.200     0.000  0.0000  0.0000   0.480  0.0900  0.0672
00335>                     101.300     0.000  0.0000  0.0000   0.520  0.1000  0.0672
00336> *
00337> * Compute runoff hydrograph from area 8912
00338> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00339> *
00340> COMPUTE FLOWRATE    ID=1 NHD=8912 AREA=   0.1410 Sq km  L=   450 m  W=    50 m
00341>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00342>                     46.4   0.0  0.0  53.6  0.0   0.0  0.0   0.0  0.0
00343>                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00344>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00345>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00346>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00347>                    GWFACT=0.00 GWON=0
00348>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00349> *
00350> * Sum hydr. 6912 & 8912 call result 3912
00351> *
00352> ADD HYD             ID=5 HYD NO=3912 IDA=4 IDB=1 ICODE=0                  AREA=
00353> *
00354> * 1912 End-of-Pipe Infiltration (for Catchment 3912)
00355> *
00356> ROUTE SPECIAL POND  ID=1 HYD NO=1912 INFLOW=5 PCODE=0 OPTION=15
00357>                    Inflow controls:
00358>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00359>                        GWPCT=  0% GWDIV=0
00360>                    Maximum level for Routing Tables:  ZMAX= 200.300
00361>                    Recharge characteristics for Compartment A
00362>                      LEVELA= 198.340              EVAPA= 0.0 mm/d ACODE=0
00363>                      CDA=   0.000 mm/h  DZA= 10.00 m
00364>                    Recharge characteristics for Compartment B
00365>                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00366>                      CDB=  15.000 mm/h  DZB= 10.00 m
00367>                    Irrigation Pond Controls: IPOND=0
00368>                    Number of points=  5
00369>                                  Compartment  A          Compartment B
00370>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00371>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00372>                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0504
00373>                     199.990     0.000  0.0000  0.0000   0.000  0.0839  0.0504
00374>                     200.010     0.000  0.0000  0.0000   0.001  0.0840  0.0504
00375>                     200.100     0.000  0.0000  0.0000   0.400  0.1100  0.0504
00376>                     200.300     0.000  0.0000  0.0000   2.500  0.2200  0.0504
00377> *
00378> * 5912 Quantity SWM Basin
00379> *
00380> ROUTE SPECIAL POND  ID=4 HYD NO=5912 INFLOW=1 PCODE=0 OPTION=15
00381>                    Inflow controls:
00382>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00383>                        GWPCT=  0% GWDIV=0
00384>                    Maximum level for Routing Tables:  ZMAX= 203.600
00385>                    Recharge characteristics for Compartment A
00386>                      LEVELA= 200.000              EVAPA= 1.4 mm/d ACODE=0
00387>                      CDA=   0.000 mm/h  DZA= 10.00 m
00388>                    Recharge characteristics for Compartment B
00389>                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
00390>                      CDB=   0.000 mm/h  DZB= 10.00 m
00391>                    Irrigation Pond Controls: IPOND=0
00392>                    Number of points= 10
00393>                                  Compartment  A          Compartment B
00394>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00395>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00396>                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.1660
00397>                     200.000     0.000  0.0000  0.0000   0.000  0.0034  0.1660
00398>                     200.500     0.000  0.0000  0.0000   0.010  0.0400  0.2111
00399>                     201.000     0.000  0.0000  0.0000   0.014  0.0616  0.2650
00400>                     201.400     0.000  0.0000  0.0000   0.016  0.2675  0.2700
00401>                     202.400     0.000  0.0000  0.0000   0.155  0.3570  0.3100
00402>                     203.000     0.000  0.0000  0.0000   0.847  0.5680  0.3600
00403>                     203.300     0.000  0.0000  0.0000   1.162  0.6500  0.3683
00404>                     203.300     0.000  0.0000  0.0000   3.000  0.7000  0.3795
00405>                     203.600     0.000  0.0000  0.0000   5.106  0.7200  0.4020
00406> *
00407> * Go to event file: 5912 Quantity SWM Basin
00408> *
00409> CHANGE INPUT FILE
00410> *
00411> * Sum hydr. 2001 & 5912 call result 2002
00412> *
00413> ADD HYD             ID=1 HYD NO=2002 IDA=3 IDB=4 ICODE=0                  AREA=
00414> *
00415> * Compute runoff hydrograph from area 7913
00416> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00417> *
00418> COMPUTE FLOWRATE    ID=3 NHD=7913 AREA=   0.0180 Sq km  L=   450 m  W=    50 m
00419>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00420>                      1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
00421>                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00422>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00423>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00424>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00425>                    GWFACT=0.00 GWON=0
00426>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00427> *
00428> * Rooftop Infiltration for 7913
00429> *
00430> ROUTE SPECIAL POND  ID=4 HYD NO=6913 INFLOW=3 PCODE=0 OPTION= 5
00431>                    Inflow controls:
00432>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00433>                        GWPCT=  0% GWDIV=0
00434>                    Maximum level for Routing Tables:  ZMAX= 101.300
00435>                    Recharge characteristics for Compartment A
00436>                      LEVELA= 100.000              EVAPA= 0.0 mm/d ACODE=0
00437>                      CDA=   0.000 mm/h  DZA= 10.00 m
00438>                    Recharge characteristics for Compartment B
00439>                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00440>                      CDB=  15.000 mm/h  DZB= 10.00 m
00441>                    Irrigation Pond Controls: IPOND=0
00442>                    Number of points=  5
00443>                                  Compartment  A          Compartment B
00444>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00445>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00446>                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0440
00447>                     100.999     0.000  0.0000  0.0000   0.000  0.0439  0.0440
00448>                     101.000     0.000  0.0000  0.0000   0.001  0.0440  0.0440
00449>                     101.200     0.000  0.0000  0.0000   0.450  0.0500  0.0440
00450>                     101.300     0.000  0.0000  0.0000   0.500  0.0600  0.0440
00451> *
00452> * Compute runoff hydrograph from area 8913
00453> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00454> *
00455> COMPUTE FLOWRATE    ID=3 NHD=8913 AREA=   0.0920 Sq km  L=   450 m  W=    50 m
00456>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00457>                     46.4   0.0  0.0  18.4  0.0  35.2  0.0   0.0  0.0
00458>                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00459>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00460>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00461>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00462>                    GWFACT=0.00 GWON=0
00463>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00464> *
00465> * Sum hydr. 6913 & 8913 call result 3913
00466> *
00467> ADD HYD             ID=5 HYD NO=3913 IDA=4 IDB=3 ICODE=0                  AREA=
00468> *
00469> * 1913 End-of-Pipe Infiltration
00470> *
00471> ROUTE SPECIAL POND  ID=3 HYD NO=1913 INFLOW=5 PCODE=0 OPTION=15
00472>                    Inflow controls:
00473>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00474>                        GWPCT=  0% GWDIV=0
00475>                    Maximum level for Routing Tables:  ZMAX= 200.300
00476>                    Recharge characteristics for Compartment A
00477>                      LEVELA= 198.340              EVAPA= 0.0 mm/d ACODE=0
00478>                      CDA=   0.000 mm/h  DZA= 10.00 m
00479>                    Recharge characteristics for Compartment B
00480>                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00481>                      CDB=  15.000 mm/h  DZB= 10.00 m
00482>                    Irrigation Pond Controls: IPOND=0
00483>                    Number of points=  5
00484>                                  Compartment  A          Compartment B
00485>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00486>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00487>                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0330
00488>                     199.990     0.000  0.0000  0.0000   0.000  0.0549  0.0330
00489>                     200.010     0.000  0.0000  0.0000   0.001  0.0550  0.0330
00490>                     200.100     0.000  0.0000  0.0000   0.400  0.0800  0.0330
00491>                     200.300     0.000  0.0000  0.0000   2.100  0.2000  0.0330
00492> *
00493> * 5913 Quantity SWM Basin
00494> *
00495> ROUTE SPECIAL POND  ID=4 HYD NO=5913 INFLOW=3 PCODE=0 OPTION=15
00496>                    Inflow controls:
00497>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00498>                        GWPCT=  0% GWDIV=0
00499>                    Maximum level for Routing Tables:  ZMAX= 202.950
00500>                    Recharge characteristics for Compartment A
00501>                      LEVELA= 200.000              EVAPA= 1.4 mm/d ACODE=0
00502>                      CDA=   0.000 mm/h  DZA= 10.00 m
00503>                    Recharge characteristics for Compartment B
00504>                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
00505>                      CDB=   0.000 mm/h  DZB= 10.00 m
00506>                    Irrigation Pond Controls: IPOND=0
00507>                    Number of points= 10
00508>                                  Compartment  A          Compartment B
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00509>                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00510>                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00511>                      199.990     0.000  0.0000  0.0000   0.000  0.0000  0.1660
00512>                      200.000     0.000  0.0000  0.0000   0.000  0.0022  0.1660
00513>                      200.500     0.000  0.0000  0.0000   0.010  0.0400  0.2111
00514>                      201.000     0.000  0.0000  0.0000   0.011  0.0616  0.2650
00515>                      201.500     0.000  0.0000  0.0000   0.013  0.1700  0.2700
00516>                      202.600     0.000  0.0000  0.0000   0.123  0.2052  0.3100
00517>                      202.700     0.000  0.0000  0.0000   0.676  0.3080  0.3600
00518>                      202.800     0.000  0.0000  0.0000   1.162  0.4000  0.3683
00519>                      202.900     0.000  0.0000  0.0000   2.382  0.5284  0.3795
00520>                      202.950     0.000  0.0000  0.0000   4.106  0.7685  0.4020
00521> *
00522> * Go to event file: 5913 Quantity SWM Basin
00523> *
00524> CHANGE INPUT FILE
00525> *
00526> * Sum hydr. 2002 & 5913 call result 2003
00527> *
00528> ADD HYD             ID=3 HYD NO=2003 IDA=1 IDB=4 ICODE=0                  AREA=
00529> *
00530> * Beaver Creek at Conservation Drive
00531> *
00532> ADD HYD             ID=1 HYD NO=2004 IDA=2 IDB=3 ICODE=0                  AREA=
00533> *
00534> * Go to event file: Beaver Creek at Conservation Drive
00535> *
00536> CHANGE INPUT FILE
00537> *
00538> * Beaver Creek in subcatchment 391, from Conservation Drive to           19
00539> *
00540> COMPUTE RATING CURVE ID=4  VS=     5.000   NSEGS=3
00541>                       MIN EL=  342.02   MAX EL=  343.63
00542>                       CHNSLP= 0.02600   FLNSLP= 0.02600
00543>                       N= 0.100  DIST=    8.25
00544>                       N=-0.045  DIST=   13.28
00545>                       N= 0.100  DIST=   20.67
00546>                         DIST    ELEV     DIST    ELEV     DIST    ELEV
00547>                          0.00  343.63     2.03  343.62     4.62  343.55
00548>                          6.99  343.56     8.25  343.43     8.51  343.03
00549>                          8.62  342.91     9.44  342.90    10.02  342.85
00550>                         10.39  342.82    11.57  342.91    12.16  342.88
00551>                         12.40  342.94    12.63  342.02    12.98  343.17
00552>                         13.28  343.33    14.36  343.36    17.52  343.46
00553>                         20.67  343.40
00554>                       RFN=0.0000 PCODE=1
00555> *
00556> * Beaver Creek through 391, south of Conservation Drive
00557> * Using Valley Section      5.000 As channel Rating Curve
00558> *
00559> ROUTE CHANNEL       ID=2 HYD NO= 131 INFLOW=1 LENGTH=   870 m  SLOPE=0.00250
00560>                     RCID=4 NS=1 PCODE=1 INDEX=1 PIPE=0 CANOPY=  0.0%
00561> *
00562> * Compute runoff hydrograph from area 7914
00563> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00564> *
00565> COMPUTE FLOWRATE    ID=1 NHD=7914 AREA=   0.0270 Sq km  L=   450 m  W=    50 m
00566>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00567>                       1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
00568>                     RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00569>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00570>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00571>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00572>                     GWFACT=0.00 GWON=0
00573>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00574> *
00575> * Rooftop Infiltration for 7914
00576> *
00577> ROUTE SPECIAL POND  ID=3 HYD NO=6914 INFLOW=1 PCODE=0 OPTION= 5
00578>                     Inflow controls:
00579>                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00580>                         GWPCT=  0% GWDIV=0
00581>                     Maximum level for Routing Tables:  ZMAX= 101.300
00582>                     Recharge characteristics for Compartment A
00583>                       LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
00584>                       CDA=   0.000 mm/h  DZA= 10.00 m
00585>                     Recharge characteristics for Compartment B
00586>                       LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00587>                       CDB=  15.000 mm/h  DZB= 10.00 m
00588>                     Irrigation Pond Controls: IPOND=0
00589>                     Number of points=  5
00590>                                  Compartment  A          Compartment B
00591>                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00592>                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00593>                      100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0684
00594>                      100.999     0.000  0.0000  0.0000   0.000  0.0683  0.0684
00595>                      101.000     0.000  0.0000  0.0000   0.001  0.0684  0.0684
00596>                      101.200     0.000  0.0000  0.0000   0.300  0.0750  0.0684
00597>                      101.300     0.000  0.0000  0.0000   0.400  0.0770  0.0684
00598> *
00599> * Compute runoff hydrograph from area 8914
00600> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00601> *
00602> COMPUTE FLOWRATE    ID=1 NHD=8914 AREA=   0.1440 Sq km  L=   450 m  W=    50 m
00603>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00604>                      46.4   0.0  0.0  24.4  0.0  28.2  1.0   0.0  0.0
00605>                     RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00606>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00607>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00608>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00609>                     GWFACT=0.00 GWON=0
00610>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00611> *
00612> * Sum hydr. 6914 & 8914 call result 3914
00613> *
00614> ADD HYD             ID=4 HYD NO=3914 IDA=3 IDB=1 ICODE=0                  AREA=
00615> *
00616> * 1914 End-of-Pipe Infiltration (Accepts flow from 7291)
00617> *
00618> ROUTE SPECIAL POND  ID=1 HYD NO=1914 INFLOW=4 PCODE=0 OPTION=15
00619>                     Inflow controls:
00620>                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00621>                         GWPCT=  0% GWDIV=0
00622>                     Maximum level for Routing Tables:  ZMAX= 200.300
00623>                     Recharge characteristics for Compartment A
00624>                       LEVELA= 198.340               EVAPA= 0.0 mm/d ACODE=0
00625>                       CDA=   0.000 mm/h  DZA= 10.00 m
00626>                     Recharge characteristics for Compartment B
00627>                       LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00628>                       CDB=  15.000 mm/h  DZB= 10.00 m
00629>                     Irrigation Pond Controls: IPOND=0
00630>                     Number of points=  5
00631>                                  Compartment  A          Compartment B
00632>                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00633>                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00634>                      199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0513
00635>                      199.990     0.000  0.0000  0.0000   0.000  0.0844  0.0513
00636>                      200.010     0.000  0.0000  0.0000   0.001  0.0855  0.0513
00637>                      200.100     0.000  0.0000  0.0000   0.400  0.1350  0.0513
00638>                      200.300     0.000  0.0000  0.0000   2.100  0.2200  0.0513
00639> *
00640> * 5914 Quantity SWM Basin
00641> *
00642> ROUTE SPECIAL POND  ID=3 HYD NO=5914 INFLOW=1 PCODE=0 OPTION=15
00643>                     Inflow controls:
00644>                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00645>                         GWPCT=  0% GWDIV=0
00646>                     Maximum level for Routing Tables:  ZMAX= 203.000
00647>                     Recharge characteristics for Compartment A
00648>                       LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
00649>                       CDA=   0.000 mm/h  DZA= 10.00 m
00650>                     Recharge characteristics for Compartment B
00651>                       LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
00652>                       CDB=   0.000 mm/h  DZB= 10.00 m
00653>                     Irrigation Pond Controls: IPOND=0
00654>                     Number of points= 10
00655>                                  Compartment  A          Compartment B
00656>                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00657>                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00658>                      199.990     0.000  0.0000  0.0000   0.000  0.0000  0.2200
00659>                      200.000     0.000  0.0000  0.0000   0.000  0.0034  0.2200
00660>                      200.500     0.000  0.0000  0.0000   0.009  0.0350  0.2370
00661>                      201.000     0.000  0.0000  0.0000   0.013  0.0508  0.3120
00662>                      202.000     0.000  0.0000  0.0000   0.014  0.2980  0.3280
00663>                      202.100     0.000  0.0000  0.0000   0.127  0.3525  0.3450
00664>                      202.400     0.000  0.0000  0.0000   0.699  0.5800  0.3900
00665>                      202.500     0.000  0.0000  0.0000   0.719  0.6992  0.3962
00666>                      202.500     0.000  0.0000  0.0000   1.285  0.7393  0.4075
00667>                      203.000     0.000  0.0000  0.0000   3.922  0.8031  0.4303
00668> *
00669> * Go to event file: 5914 Quantity SWM Basin
00670> *
00671> CHANGE INPUT FILE
00672> *
00673> * Compute runoff hydrograph from area 7915
00674> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00675> *
00676> COMPUTE FLOWRATE    ID=1 NHD=7915 AREA=   0.0040 Sq km  L=   450 m  W=    50 m
00677>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00678>                       1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
00679>                     RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00680>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00681>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00682>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00683>                     GWFACT=0.00 GWON=0
00684>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00685> *
00686> * Rooftop Infiltration for 7915
00687> *
00688> ROUTE SPECIAL POND  ID=4 HYD NO=6915 INFLOW=1 PCODE=0 OPTION= 5
00689>                     Inflow controls:
00690>                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00691>                         GWPCT=  0% GWDIV=0
00692>                     Maximum level for Routing Tables:  ZMAX= 101.300
00693>                     Recharge characteristics for Compartment A
00694>                       LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
00695>                       CDA=   0.000 mm/h  DZA= 10.00 m
00696>                     Recharge characteristics for Compartment B
00697>                       LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00698>                       CDB=  15.000 mm/h  DZB= 10.00 m
00699>                     Irrigation Pond Controls: IPOND=0
00700>                     Number of points=  5
00701>                                  Compartment  A          Compartment B
00702>                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00703>                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00704>                      100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0096
00705>                      100.999     0.000  0.0000  0.0000   0.000  0.0095  0.0096
00706>                      101.000     0.000  0.0000  0.0000   0.001  0.0096  0.0096
00707>                      101.200     0.000  0.0000  0.0000   0.080  0.0150  0.0096
00708>                      101.300     0.000  0.0000  0.0000   0.100  0.0200  0.0096
00709> *
00710> * Compute runoff hydrograph from area 8915
00711> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00712> *
00713> COMPUTE FLOWRATE    ID=1 NHD=8915 AREA=   0.0200 Sq km  L=   450 m  W=    50 m
00714>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00715>                      46.4   0.0  0.0  18.9  0.0  34.6  0.0   0.0  0.0
00716>                     RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00717>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00718>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00719>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00720>                     GWFACT=0.00 GWON=0
00721>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00722> *
00723> * Sum hydr. 6915 & 8915 call result 3915
00724> *
00725> ADD HYD             ID=5 HYD NO=3915 IDA=4 IDB=1 ICODE=0                  AREA=
00726> *
00727> * 1915 End-of-Pipe Infiltration
00728> *
00729> ROUTE SPECIAL POND  ID=1 HYD NO=1915 INFLOW=5 PCODE=0 OPTION=15
00730>                     Inflow controls:
00731>                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00732>                         GWPCT=  0% GWDIV=0
00733>                     Maximum level for Routing Tables:  ZMAX= 200.300
00734>                     Recharge characteristics for Compartment A
00735>                       LEVELA= 198.340               EVAPA= 0.0 mm/d ACODE=0
00736>                       CDA=   0.000 mm/h  DZA= 10.00 m
00737>                     Recharge characteristics for Compartment B
00738>                       LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00739>                       CDB=  15.000 mm/h  DZB= 10.00 m
00740>                     Irrigation Pond Controls: IPOND=0
00741>                     Number of points=  5
00742>                                  Compartment  A          Compartment B
00743>                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00744>                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00745>                      199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0072
00746>                      199.990     0.000  0.0000  0.0000   0.000  0.0119  0.0072
00747>                      200.010     0.000  0.0000  0.0000   0.001  0.0120  0.0072
00748>                      200.100     0.000  0.0000  0.0000   0.400  0.0400  0.0072
00749>                      200.300     0.000  0.0000  0.0000   1.100  0.0800  0.0072
00750> *
00751> * 5915 Quantity SWM Basin
00752> *
00753> ROUTE SPECIAL POND  ID=4 HYD NO=5915 INFLOW=1 PCODE=0 OPTION=15
00754>                     Inflow controls:
00755>                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00756>                         GWPCT=  0% GWDIV=0
00757>                     Maximum level for Routing Tables:  ZMAX= 202.500
00758>                     Recharge characteristics for Compartment A
00759>                       LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
00760>                       CDA=   0.000 mm/h  DZA= 10.00 m
00761>                     Recharge characteristics for Compartment B
00762>                       LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
```

```
                      CDB=   0.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  9
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)      (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.0370
                     200.000     0.000  0.0000  0.0000   0.000  0.0005  0.0370
                     201.500     0.000  0.0000  0.0000   0.002  0.0080  0.0380
                     201.000     0.000  0.0000  0.0000   0.003  0.0144  0.0390
                     201.600     0.000  0.0000  0.0000   0.004  0.0370  0.0530
                     202.200     0.000  0.0000  0.0000   0.042  0.0413  0.0760
                     202.300     0.000  0.0000  0.0000   0.231  0.0486  0.0943
                     202.450     0.000  0.0000  0.0000   0.462  0.0844  0.1044
                     202.500     0.000  0.0000  0.0000   2.706  0.1263  0.1145
*
* Go to event file: 5915 Quantity SWM Basin
*
CHANGE INPUT FILE
*
* Sum hydr. 5914 & 5915 call result 2005
*
ADD HYD             ID=1 HYD NO=2005 IDA=3 IDB=4 ICODE=0                  AREA=
*
* Typical off-channel (Flat slopes)                                       6
*
COMPUTE RATING CURVE ID=6  VS=     1.100   NSEGS=3
                      MIN EL=  100.00   MAX EL=  100.60
                      CHNSLP= 0.01000   FLNSLP= 0.01000
                      N= 0.350  DIST=   39.15
                      N=-0.150  DIST=   40.85
                      N= 0.350  DIST=   80.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  100.60    39.15  100.20    39.75  100.00
                        40.25  100.00    40.85  100.20    80.00  100.60
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 3911
* VS=   5.000 is main channel & VS=   1.100 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=3911 AREA=   0.1950 Sq km  L=   400 m  W=   250 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0   3.0 27.0   3.0 12.0  11.0 43.0   0.0  0.0
                    RATING CURVES: IDMC=4 IDOC=6 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 2005 & 3911 call result 2006
*
ADD HYD             ID=4 HYD NO=2006 IDA=1 IDB=3 ICODE=0                  AREA=
*
* Compute runoff hydrograph from area 7917
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=1 NHD=7917 AREA=   0.0040 Sq km  L=   450 m  W=    50 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7917
*
ROUTE SPECIAL POND  ID=3 HYD NO=6917 INFLOW=1 PCODE=0 OPTION= 5
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 101.300
                    Recharge characteristics for Compartment A
                      LEVELA= 100.000              EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)      (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0108
                     100.999     0.000  0.0000  0.0000   0.000  0.0107  0.0108
                     101.000     0.000  0.0000  0.0000   0.001  0.0108  0.0108
                     101.200     0.000  0.0000  0.0000   0.080  0.0130  0.0108
                     101.300     0.000  0.0000  0.0000   0.100  0.0160  0.0108
*
* Compute runoff hydrograph from area 8917
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=1 NHD=8917 AREA=   0.0230 Sq km  L=   450 m  W=    50 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                       46.4   5.4  0.0   40.0  0.0   8.1  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6917 & 8917 call result 3917
*
ADD HYD             ID=5 HYD NO=3917 IDA=3 IDB=1 ICODE=0                  AREA=
*
* 1917 End-of-Pipe Infiltration
*
ROUTE SPECIAL POND  ID=1 HYD NO=1917 INFLOW=5 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 200.300
                    Recharge characteristics for Compartment A
                      LEVELA= 198.340              EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)      (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0081
                     199.990     0.000  0.0000  0.0000   0.000  0.0134  0.0081
                     200.010     0.000  0.0000  0.0000   0.001  0.0135  0.0081
                     200.100     0.000  0.0000  0.0000   0.300  0.0250  0.0081
                     200.300     0.000  0.0000  0.0000   1.000  0.0800  0.0081
*
* 5917 Quantity SWM Basin
*
ROUTE SPECIAL POND  ID=3 HYD NO=5917 INFLOW=1 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 202.200
                    Recharge characteristics for Compartment A
                      LEVELA= 200.000              EVAPA= 1.4 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
                      CDB=   0.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  9
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)      (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.0540
                     200.000     0.000  0.0000  0.0000   0.000  0.0005  0.0540
                     200.500     0.000  0.0000  0.0000   0.001  0.0080  0.0590
                     201.000     0.000  0.0000  0.0000   0.002  0.0092  0.0640
                     201.600     0.000  0.0000  0.0000   0.003  0.0480  0.0690
                     201.900     0.000  0.0000  0.0000   0.027  0.0585  0.0740
                     202.000     0.000  0.0000  0.0000   0.148  0.0910  0.0790
                     202.100     0.000  0.0000  0.0000   1.162  0.1200  0.0840
                     202.200     0.000  0.0000  0.0000   2.500  0.1300  0.0900
*
* Go to event file: 5917 Quantity SWM Basin
*
CHANGE INPUT FILE
*
* Sum hydr. 2006 & 5917 call result 2007
*
ADD HYD             ID=1 HYD NO=2007 IDA=4 IDB=3 ICODE=0                  AREA=
*
*  Main channel Parabolic Swale - Flat                                     7
*
COMPUTE RATING CURVE ID=1  VS=     7.000   NSEGS=3
                      MIN EL=  100.70   MAX EL=  103.00
                      CHNSLP= 0.01000   FLNSLP= 0.01000
                      N= 0.070  DIST=   20.00
                      N=-0.050  DIST=   30.00
                      N= 0.070  DIST=   50.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  103.00    20.00  101.00    23.00  100.80
                        25.00  100.70    27.00  100.80    30.00  101.00
                        50.00  103.00
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 3918
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=3918 AREA=   0.0060 Sq km  L=    50 m  W=   100 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0   0.0 20.0   0.0 79.0   0.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 2007 & 3918 call result 2008
*
ADD HYD             ID=4 HYD NO=2008 IDA=1 IDB=3 ICODE=0                  AREA=
*
* Beaver Creek at south end of Site
*
ADD HYD             ID=1 HYD NO=2009 IDA=2 IDB=4 ICODE=0                  AREA=
*
* Go to event file: Beaver Creek at south end of Site
*
CHANGE INPUT FILE
*
* Compute runoff hydrograph from area 3092
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=3092 AREA=   0.0400 Sq km  L=   300 m  W=   100 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0  28.0  7.0  34.0  0.0  30.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Compute runoff hydrograph from area 3093
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=3093 AREA=   0.0070 Sq km  L=   150 m  W=   100 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0   0.0 40.0  18.0 41.0   0.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Total outflow from 309
*
ADD HYD             ID=4 HYD NO=2010 IDA=2 IDB=3 ICODE=0                  AREA=
*
*   Typical Urban Cross-Section                                           6
*
COMPUTE RATING CURVE ID=1  VS=     8.000   NSEGS=3
                      MIN EL=  295.00   MAX EL=  295.70
                      CHNSLP= 0.00500   FLNSLP= 0.00500
                      N= 0.015  DIST=  200.00
                      N=-0.015  DIST=  300.00
                      N= 0.015  DIST=  500.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  295.70   200.00  295.50   200.10  295.00
                       299.90  295.00   300.00  295.50   500.00  295.70
                      RFN=0.0000 PCODE=1
*
*   Typical Urban Cross-Section                                           6
*
COMPUTE RATING CURVE ID=6  VS=     8.000   NSEGS=3
                      MIN EL=  295.00   MAX EL=  295.70
```

```
                      CHNSLP= 0.00500   FLNSLP= 0.00500
                      N= 0.015  DIST=  200.00
                      N=-0.015  DIST=  300.00
                      N= 0.015  DIST=  500.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  295.70   200.00  295.50   200.10  295.00
                       299.90  295.00   300.00  295.50   500.00  295.70
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 7101
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=7101 AREA=   0.0150 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                     RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                     GWFACT=0.00 GWON=0
                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
*
PRINT HYD           ID=2 PCODE=1 MODE=10
NEW DUMP OUTPUT     MODE=10 ID=2 IOPT=4 FTYPE=0
*
* Rooftop Infiltration for 7101
*
ROUTE SPECIAL POND  ID=3 HYD NO=6101 INFLOW=2 PCODE=0 OPTION= 5
                     Inflow controls:
                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                         GWPCT=  0% GWDIV=0
                     Maximum level for Routing Tables:  ZMAX= 101.300
                     Recharge characteristics for Compartment A
                       LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
                       CDA=   0.000 mm/h  DZA= 10.00 m
                     Recharge characteristics for Compartment B
                       LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                       CDB=  15.000 mm/h  DZB= 10.00 m
                     Irrigation Pond Controls: IPOND=0
                     Number of points=  5
                                    Compartment  A          Compartment B
                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                      100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0372
                      100.999     0.000  0.0000  0.0000   0.000  0.0371  0.0372
                      101.000     0.000  0.0000  0.0000   0.001  0.0372  0.0372
                      101.200     0.000  0.0000  0.0000   0.200  0.0450  0.0372
                      101.300     0.000  0.0000  0.0000   0.250  0.0500  0.0372
*
*
PRINT HYD           ID=3 PCODE=1 MODE=10
NEW DUMP OUTPUT     MODE=10 ID=3 IOPT=4 FTYPE=0
*
* Compute runoff hydrograph from area 8101
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=8101 AREA=   0.0780 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     46.4   0.0  0.0  51.5  0.0   2.1  0.0   0.0  0.0
                     RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                     GWFACT=0.00 GWON=0
                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
*
PRINT HYD           ID=2 PCODE=1 MODE=10
NEW DUMP OUTPUT     MODE=10 ID=2 IOPT=4 FTYPE=0
*
* Sum hydr. 6101 & 8101 call result 3101
*
ADD HYD             ID=5 HYD NO=3101 IDA=3 IDB=2 ICODE=0                  AREA=
*
*
PRINT HYD           ID=5 PCODE=1 MODE=10
NEW DUMP OUTPUT     MODE=10 ID=5 IOPT=4 FTYPE=0
*
* 5101 Interim SWM Basin (surge protection only)
*
ROUTE SPECIAL POND  ID=2 HYD NO=5101 INFLOW=5 PCODE=0 OPTION=15
                     Inflow controls:
                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                         GWPCT=  0% GWDIV=0
                     Maximum level for Routing Tables:  ZMAX= 203.500
                     Recharge characteristics for Compartment A
                       LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
                       CDA=   0.000 mm/h  DZA= 10.00 m
                     Recharge characteristics for Compartment B
                       LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
                       CDB=   0.000 mm/h  DZB= 10.00 m
                     Irrigation Pond Controls: IPOND=0
                     Number of points=  9
                                    Compartment  A          Compartment B
                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                      199.990     0.000  0.0000  0.0000   0.000  0.0000  0.4400
                      201.500     0.000  0.0000  0.0000   0.014  0.0050  0.4600
                      201.520     0.000  0.0000  0.0000   0.252  0.0055  0.5100
                      201.600     0.000  0.0000  0.0000   0.470  0.0070  0.5450
                      202.000     0.000  0.0000  0.0000   0.470  0.1420  0.5910
                      202.100     0.000  0.0000  0.0000   1.000  0.1590  0.5950
                      202.600     0.000  0.0000  0.0000   2.500  0.8700  0.6058
                      202.700     0.000  0.0000  0.0000   3.500  0.8900  0.6354
                      203.500     0.000  0.0000  0.0000   4.500  0.9100  0.6650
*
* Compute runoff hydrograph from area 7107
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=7107 AREA=   0.0210 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                     RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                     GWFACT=0.00 GWON=0
                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7107
*
ROUTE SPECIAL POND  ID=5 HYD NO=6107 INFLOW=3 PCODE=0 OPTION= 5
                     Inflow controls:
                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                         GWPCT=  0% GWDIV=0
                     Maximum level for Routing Tables:  ZMAX= 101.300
                     Recharge characteristics for Compartment A
                       LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
                       CDA=   0.000 mm/h  DZA= 10.00 m
                     Recharge characteristics for Compartment B
                       LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                       CDB=  15.000 mm/h  DZB= 10.00 m
                     Irrigation Pond Controls: IPOND=0
                     Number of points=  5
                                    Compartment  A          Compartment B
                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                      100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0520
                      100.999     0.000  0.0000  0.0000   0.000  0.0519  0.0520
                      101.000     0.000  0.0000  0.0000   0.001  0.0520  0.0520
                      101.200     0.000  0.0000  0.0000   0.380  0.0600  0.0520
                      101.300     0.000  0.0000  0.0000   0.460  0.0700  0.0520
*
* Compute runoff hydrograph from area 8107
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=8107 AREA=   0.1090 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     46.4   0.0  0.0  42.6  0.0  10.9  0.0   0.0  0.0
                     RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                     GWFACT=0.00 GWON=0
                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6107 & 8107 call result 3107
*
ADD HYD             ID=6 HYD NO=3107 IDA=5 IDB=3 ICODE=0                  AREA=
*
* Sum hydr. 5101 & 3107 call result 2012
*
ADD HYD             ID=3 HYD NO=2012 IDA=2 IDB=6 ICODE=0                  AREA=
*
*  Main channel Parabolic Swale - Flat                                     7
*
COMPUTE RATING CURVE ID=1  VS=     7.000   NSEGS=3
                      MIN EL=  100.70   MAX EL=  103.00
                      CHNSLP= 0.01000   FLNSLP= 0.01000
                      N= 0.070  DIST=   20.00
                      N=-0.050  DIST=   30.00
                      N= 0.070  DIST=   50.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  103.00   20.00  101.00   23.00  100.80
                        25.00  100.70   27.00  100.80   30.00  101.00
                        50.00  103.00
                      RFN=0.0000 PCODE=1
*
* Typical off-channel (Flat slopes)                                       6
*
COMPUTE RATING CURVE ID=6  VS=     1.100   NSEGS=3
                      MIN EL=  100.00   MAX EL=  100.60
                      CHNSLP= 0.01000   FLNSLP= 0.01000
                      N= 0.350  DIST=   39.15
                      N=-0.150  DIST=   40.85
                      N= 0.350  DIST=   80.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  100.60   39.15  100.20   39.75  100.00
                        40.25  100.00   40.85  100.20   80.00  100.60
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 3105
* VS=   7.000 is main channel & VS=   1.100 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=3105 AREA=   0.0350 Sq km  L=   200 m  W=   180 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     1.0   0.0  0.0  74.0  0.0  25.0  0.0   0.0  0.0
                     RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                     GWFACT=0.00 GWON=0
                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 2012 & 3105 call result 2013
*
ADD HYD             ID=5 HYD NO=2013 IDA=3 IDB=2 ICODE=0                  AREA=
*
*   Typical Urban Cross-Section                                           6
*
COMPUTE RATING CURVE ID=1  VS=     8.000   NSEGS=3
                      MIN EL=  295.00   MAX EL=  295.70
                      CHNSLP= 0.00500   FLNSLP= 0.00500
                      N= 0.015  DIST=  200.00
                      N=-0.015  DIST=  300.00
                      N= 0.015  DIST=  500.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  295.70   200.00  295.50   200.10  295.00
                       299.90  295.00   300.00  295.50   500.00  295.70
                      RFN=0.0000 PCODE=1
*
*   Typical Urban Cross-Section                                           6
*
COMPUTE RATING CURVE ID=6  VS=     8.000   NSEGS=3
                      MIN EL=  295.00   MAX EL=  295.70
                      CHNSLP= 0.00500   FLNSLP= 0.00500
                      N= 0.015  DIST=  200.00
                      N=-0.015  DIST=  300.00
                      N= 0.015  DIST=  500.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  295.70   200.00  295.50   200.10  295.00
                       299.90  295.00   300.00  295.50   500.00  295.70
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 7102
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=7102 AREA=   0.0150 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                     RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                     GWFACT=0.00 GWON=0
                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7102
*
ROUTE SPECIAL POND  ID=3 HYD NO=6102 INFLOW=2 PCODE=0 OPTION= 5
                     Inflow controls:
                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                         GWPCT=  0% GWDIV=0
```

```
                    Maximum level for Routing Tables:  ZMAX= 101.300
                    Recharge characteristics for Compartment A
                      LEVELA= 100.000              EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0364
                     100.999     0.000  0.0000  0.0000   0.000  0.0363  0.0364
                     101.000     0.000  0.0000  0.0000   0.001  0.0364  0.0364
                     101.200     0.000  0.0000  0.0000   0.120  0.0390  0.0364
                     101.300     0.000  0.0000  0.0000   0.200  0.0440  0.0364
*
* Compute runoff hydrograph from area 8102
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=8102 AREA=   0.0760 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     46.4   0.0  0.0   0.0  0.0  53.6  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6102 & 8102 call result 3102
*
ADD HYD             ID=6 HYD NO=3102 IDA=3 IDB=2 ICODE=0                  AREA=
*
* Sum hydr. 2013 & 3102 call result 2014
*
ADD HYD             ID=2 HYD NO=2014 IDA=5 IDB=6 ICODE=0                  AREA=
*
* 1102 End-of-Pipe Infiltration
*
ROUTE SPECIAL POND  ID=3 HYD NO=1102 INFLOW=2 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 200.500
                    Recharge characteristics for Compartment A
                      LEVELA= 198.340              EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  7
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.1611
                     199.990     0.000  0.0000  0.0000   0.000  0.2684  0.1611
                     200.010     0.000  0.0000  0.0000   0.001  0.2685  0.1611
                     200.100     0.000  0.0000  0.0000   0.400  0.3000  0.1611
                     200.300     0.000  0.0000  0.0000   1.600  0.3500  0.1611
                     200.400     0.000  0.0000  0.0000   3.000  0.4000  0.1611
                     200.500     0.000  0.0000  0.0000   5.500  0.4300  0.1611
*
* 5102 Quantity SWM Basin
*
ROUTE SPECIAL POND  ID=2 HYD NO=5102 INFLOW=3 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 203.500
                    Recharge characteristics for Compartment A
                      LEVELA= 200.000              EVAPA= 1.4 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
                      CDB=   0.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points= 10
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.4400
                     200.000     0.000  0.0000  0.0000   0.000  0.0062  0.4400
                     201.500     0.000  0.0000  0.0000   0.014  0.0600  0.4600
                     201.520     0.000  0.0000  0.0000   0.039  0.1156  0.5100
                     201.600     0.000  0.0000  0.0000   0.500  0.3500  0.5450
                     202.000     0.000  0.0000  0.0000   1.500  0.4500  0.5910
                     202.100     0.000  0.0000  0.0000   2.500  0.5000  0.5950
                     202.600     0.000  0.0000  0.0000   3.500  0.5547  0.6058
                     202.700     0.000  0.0000  0.0000   4.500  0.6788  0.6354
                     203.500     0.000  0.0000  0.0000   5.500  0.7431  0.6650
*
* Go to event file: 5102 Quantity SWM Basin
*
CHANGE INPUT FILE
*
*
*  Main channel Parabolic Swale - Flat                                    7
*
COMPUTE RATING CURVE ID=1  VS=     7.000   NSEGS=3
                      MIN EL=  100.70   MAX EL=  103.00
                      CHNSLP= 0.01000   FLNSLP= 0.01000
                      N= 0.070  DIST=   20.00
                      N=-0.050  DIST=   30.00
                      N= 0.070  DIST=   50.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                        0.00  103.00    20.00  101.00    23.00  100.80
                       25.00  100.70    27.00  100.80    30.00  101.00
                       50.00  103.00
                     RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 3103
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=3103 AREA=   0.0020 Sq km  L=    50 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     1.0   0.0 25.0   0.0  0.0  74.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Outflow from 310 WEST of Beaver Creek Road
*
* 
ADD HYD             ID=5 HYD NO=2015 IDA=2 IDB=3 ICODE=0                  AREA=
*
* Compute runoff hydrograph from area 7106
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=7106 AREA=   0.0520 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                    RATING CURVES: IDMC=6 IDOC=6 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7106
*
ROUTE SPECIAL POND  ID=3 HYD NO=6106 INFLOW=2 PCODE=0 OPTION= 5
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 101.300
                    Recharge characteristics for Compartment A
                      LEVELA= 100.000              EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.1304
                     100.999     0.000  0.0000  0.0000   0.000  0.1303  0.1304
                     101.000     0.000  0.0000  0.0000   0.001  0.1304  0.1304
                     101.200     0.000  0.0000  0.0000   0.950  0.1510  0.1304
                     101.300     0.000  0.0000  0.0000   1.050  0.1520  0.1304
*
* Compute runoff hydrograph from area 8106
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=8106 AREA=   0.2740 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     46.4   0.0  0.0  48.3  2.1   2.0  1.1   0.0  0.0
                    RATING CURVES: IDMC=6 IDOC=6 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6106 & 8106 call result 3106
*
ADD HYD             ID=6 HYD NO=3106 IDA=3 IDB=2 ICODE=0                  AREA=
*
* Compute runoff hydrograph from area 3104
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=3104 AREA=   0.0540 Sq km  L=   200 m  W=   150 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     10.0   0.0  0.0  23.0 67.0   0.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 3106 & 3104 call result 2016
*
ADD HYD             ID=3 HYD NO=2016 IDA=6 IDB=2 ICODE=0                  AREA=
*
* 1106 End-of-Pipe Infiltration
*
ROUTE SPECIAL POND  ID=2 HYD NO=1106 INFLOW=3 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 200.300
                    Recharge characteristics for Compartment A
                      LEVELA= 198.340              EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  6
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0978
                     199.990     0.000  0.0000  0.0000   0.000  0.1629  0.0978
                     200.010     0.000  0.0000  0.0000   0.001  0.1630  0.0978
                     200.100     0.000  0.0000  0.0000   0.400  0.1750  0.0978
                     200.200     0.000  0.0000  0.0000   1.000  0.1800  0.0978
                     200.300     0.000  0.0000  0.0000   2.000  0.1830  0.0978
*
* 5106 Quantity SWM Basin
*
ROUTE SPECIAL POND  ID=3 HYD NO=5106 INFLOW=2 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 202.900
                    Recharge characteristics for Compartment A
                      LEVELA= 200.000              EVAPA= 1.4 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
                      CDB=   0.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  9
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.6520
                     200.000     0.000  0.0000  0.0000   0.000  0.0065  0.6520
                     201.500     0.000  0.0000  0.0000   0.019  0.0900  0.6570
                     201.600     0.000  0.0000  0.0000   0.021  0.1304  0.6620
                     202.000     0.000  0.0000  0.0000   0.500  0.1800  0.6670
                     202.100     0.000  0.0000  0.0000   1.000  0.2300  0.6720
                     202.400     0.000  0.0000  0.0000   1.500  0.2800  0.6770
                     202.600     0.000  0.0000  0.0000   2.000  0.3300  0.6820
                     202.900     0.000  0.0000  0.0000   3.000  0.3800  0.6870
*
```

```
01525> * Go to event file: 5106 Quantity SWM Basin
01526> *
01527> CHANGE INPUT FILE
01528> *
01529> *
01530> * This is the total outflow from 310 in the Primary Study Area
01531> *
01532> ADD HYD             ID=2 HYD NO=2017 IDA=5 IDB=3 ICODE=0                  AREA=
01533> *
01534> * Go to event file: This is the total outflow from 310 in the Primary Study Area
01535> *
01536> CHANGE INPUT FILE
01537> *
01538> FINISH
01539>
```

```
00001> *  Waterloo North Scoped SWS
00002> * ========================================================================
00003> * August, 2011, M. Trudell
00004> * Located in Waterloo,Ontario
00005> * USE TO MAKE Continuous WAT Files
00006> * ========================================================================
00007> *
00008> * Response Unit Soil drainage parameters for North Waterloo Scoped SWS
00009> * ====================================================================
00010>
00011>
00012> READ SOIL PARAMETERS  NZONE=9
00013>                          IMP  CLAY TILL   SILT TILL  SAND TILL  SND/GRV
00014>                              MED  HIGH   MED  HIGH   MED  HIGH   MED  Swamp
00015>                    DS=    2   8.0  15.0   8.0  15.0   8.0  15.0   8.0   100
00016>                    KEFF=  0   2.0   4.0  10.0  15.0  15.0  40.0  25.0   0.1
00017>                    CS=    0   1.0   2.0   7.5  11.2  11.2  30.0  19.0  0.05
00018>                    D=     0   0.2   0.4   1.0   1.5   1.5   4.0   2.5  0.01
00019>                    SAV=   0   200   200   200   200   200   200   250   200
00020>                    HI=    0   100   100   100   200   100   200   200   200
00021>                    SMCI=  0  0.56  0.56  0.54  0.54  0.46  0.46   0.4  0.56
00022>                    IMCI=  0  0.46  0.46  0.40  0.40  0.23  0.23   0.1  0.46
00023>                    FCAPI= 0  0.46  0.46  0.40  0.40  0.23  0.23   0.1  0.46
00024>                    WILTI= 0  0.27  0.27  0.19  0.19  0.07  0.07  0.04  0.27
00025>                    HII=   0   150   150   300   400   300   600   400     5
00026>                    SMCII= 0  0.56  0.56  0.54  0.54  0.46  0.46   0.4  0.56
00027>                    IMCII= 0  0.46  0.46  0.40  0.40  0.23  0.23   0.1  0.46
00028>                    FCAPII=0  0.46  0.46  0.40  0.40  0.23  0.23   0.1  0.46
00029>                    WILTII=0  0.27  0.27  0.19  0.19  0.07  0.07  0.04  0.27
00030>                    X=     0    1     0     0     0     0     0     0     1
00031>                    FATR=  1    1     1     1     1     1     1     1     1
00032>                    INC =  1    1     5     1     5     1     5     1     5
00033>
00034> *
00035> * Go to event file
00036> *
00037> CHANGE INPUT FILE
00038> *
00039> * Main channel, in subcatchment 301                                      7
00040> *
00041> COMPUTE RATING CURVE ID=1  VS=     2.000   NSEGS=3
00042>                          MIN EL=  100.00   MAX EL=  101.30
00043>                          CHNSLP= 0.01000   FLNSLP= 0.01000
00044>                          N= 0.100  DIST=   18.90
00045>                          N=-0.080  DIST=   21.10
00046>                          N= 0.100  DIST=   40.00
00047>                            DIST    ELEV     DIST    ELEV     DIST    ELEV
00048>                             0.00  101.30    18.90  100.80    19.00  100.40
00049>                            20.00  100.00    21.00  100.40    21.10  100.80
00050>                            40.00  101.30
00051>                          RFN=0.0000 PCODE=1
00052> *
00053> *  Typical off-channel (Steep areas)                                     6
00054> *
00055> COMPUTE RATING CURVE ID=5  VS=     1.000   NSEGS=3
00056>                          MIN EL=  100.00   MAX EL=  100.80
00057>                          CHNSLP= 0.01500   FLNSLP= 0.01500
00058>                          N= 0.350  DIST=   24.45
00059>                          N=-0.150  DIST=   25.50
00060>                          N= 0.350  DIST=   50.00
00061>                            DIST    ELEV     DIST    ELEV     DIST    ELEV
00062>                             0.00  100.80    24.45  100.30    24.75  100.00
00063>                            25.25  100.00    25.50  100.30    50.00  100.80
00064>                          RFN=0.0000 PCODE=1
00065> *
00066> * Compute runoff hydrograph from area  301
00067> * VS=   2.000 is main channel & VS=   1.000 is off-channel
00068> *
00069> COMPUTE FLOWRATE    ID=1 NHD= 301 AREA=   2.6500 Sq km  L=  2910 m  W=   882 m
00070>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00071>                       1.0   0.0  0.0  50.7 23.3  11.5  2.9   0.0 10.6
00072>                     RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
00073>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 3.0 TLO= 0.0
00074>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00075>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00076>                     GWFACT=0.50 GWON=1
00077>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00078> *
00079> *  Beaver Creek, in subcatchment 381                                    13
00080> *
00081> COMPUTE RATING CURVE ID=2  VS=     3.000   NSEGS=3
00082>                          MIN EL=  335.00   MAX EL=  354.00
00083>                          CHNSLP= 0.02100   FLNSLP= 0.02100
00084>                          N= 0.080  DIST=   89.00
00085>                          N=-0.080  DIST=   95.00
00086>                          N= 0.080  DIST=  213.00
00087>                            DIST    ELEV     DIST    ELEV     DIST    ELEV
00088>                             0.00  335.00    16.00  353.00    39.00  352.00
00089>                            53.00  351.50    77.00  351.00    89.00  350.80
00090>                            92.00  350.60    95.00  350.80   102.00  351.00
00091>                           152.00  351.50   185.00  352.00   201.00  353.00
00092>                           213.00  354.00
00093>                          RFN=0.0000 PCODE=1
00094> *
00095> * Beaver Creek through 381
00096> * Using Valley Section      3.000 As channel Rating Curve
00097> *
00098> ROUTE CHANNEL       ID=2 HYD NO= 111 INFLOW=1 LENGTH=  2100 m  SLOPE=0.00210
00099>                     RCID=2 NS=1 PCODE=1 INDEX=1 PIPE=0 CANOPY=  0.0%
00100> *
00101> *  Main channel, in subcatchment 381                                    6
00102> *
00103> COMPUTE RATING CURVE ID=3  VS=     2.100   NSEGS=3
00104>                          MIN EL=  100.40   MAX EL=  100.80
00105>                          CHNSLP= 0.01700   FLNSLP= 0.01700
00106>                          N= 0.060  DIST=    0.80
00107>                          N=-0.060  DIST=    2.90
00108>                          N= 0.060  DIST=    3.70
00109>                            DIST    ELEV     DIST    ELEV     DIST    ELEV
00110>                             0.00  100.80     0.80  100.60     1.70  100.40
00111>                             2.10  100.40     2.90  100.60     3.70  100.80
00112>                          RFN=0.0000 PCODE=1
00113> *
00114> * Typical off-channel (Flat slopes)                                     6
00115> *
00116> COMPUTE RATING CURVE ID=6  VS=     1.100   NSEGS=3
00117>                          MIN EL=  100.00   MAX EL=  100.60
00118>                          CHNSLP= 0.01000   FLNSLP= 0.01000
00119>                          N= 0.350  DIST=   39.15
00120>                          N=-0.150  DIST=   40.85
00121>                          N= 0.350  DIST=   80.00
00122>                            DIST    ELEV     DIST    ELEV     DIST    ELEV
00123>                             0.00  100.60    39.15  100.20    39.75  100.00
00124>                            40.25  100.00    40.85  100.20    80.00  100.60
00125>                          RFN=0.0000 PCODE=1
00126> *
00127> * Compute runoff hydrograph from area  381
00128> * VS=   2.100 is main channel & VS=   1.100 is off-channel
00129> *
00130> COMPUTE FLOWRATE    ID=1 NHD= 381 AREA=   3.3100 Sq km  L=  2340 m  W=   707 m
00131>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00132>                       1.0   0.0  0.0  73.4 13.2   1.3  0.5   0.0 10.6
00133>                     RATING CURVES: IDMC=3 IDOC=6 QRMC=  0.50 QROC=  0.05
00134>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 3.0 TLO= 0.0
00135>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00136>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00137>                     GWFACT=0.50 GWON=1
00138>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00139> *
00140> * Sum hydr.  111 &  381 call result  281
00141> *
00142> ADD HYD             ID=3 HYD NO= 281 IDA=2 IDB=1 ICODE=0                  AREA=
00143> *
00144> * Swamp storage reservoir
00145> *
00146> ROUTE RESERVOIR     ID=1 HYD NO= 581 INFLOW=3 PCODE=0 OPTION= 4
00147>                     ILEVEL=   349.500
00148>                      ELEVATION   OUTFLOW     STORAGE
00149>                         (m)       (cms)      (ha*m)
00150>                        349.500      0.0000      0.0100
00151>                        350.000      0.4200      0.6700
00152>                        350.500      3.0400      3.1200
00153>                        351.000      8.8500      8.1100
00154>                        351.500     15.2000     15.8700
00155>                        352.000     21.5000     26.8500
00156>                        352.500     28.7000     41.0200
00157>                        352.800     34.3000     50.7600
00158> *
00159> * Beaver Creek in subcatchment 391, to Conservation Drive                11
00160> *
00161> COMPUTE RATING CURVE ID=4  VS=     4.000   NSEGS=3
00162>                          MIN EL=  344.40   MAX EL=  346.02
00163>                          CHNSLP= 0.02600   FLNSLP= 0.02600
00164>                          N= 0.080  DIST=    6.50
00165>                          N=-0.045  DIST=   12.60
00166>                          N= 0.080  DIST=   16.20
00167>                            DIST    ELEV     DIST    ELEV     DIST    ELEV
00168>                             0.00  346.02     3.40  345.96     6.50  345.43
00169>                             7.20  345.01     8.80  344.40     9.60  344.46
00170>                            10.60  344.61    11.00  344.75    11.70  345.00
00171>                            12.60  345.39    16.20  345.90
00172>                          RFN=0.0000 PCODE=1
00173> *
00174> * Beaver Creek through 391, north of Conservation Drive
00175> * Using Valley Section      4.000 As channel Rating Curve
00176> *
00177> ROUTE CHANNEL       ID=2 HYD NO= 121 INFLOW=1 LENGTH=   690 m  SLOPE=0.00310
00178>                     RCID=4 NS=1 PCODE=1 INDEX=1 PIPE=0 CANOPY=  0.0%
00179> *
00180> *CHANGE INPUT FILE
00181> *
00182> * Response Unit Soil drainage parameters for North Waterloo Scoped SWS
00183> * ====================================================================
00184>
00185>
00186> READ SOIL PARAMETERS  NZONE=9
00187>                          IMP  CLAY TILL   SILT TILL  SAND TILL   Roof  SAND
00188>                              MED  HIGH   MED  HIGH   MED  HIGH   IMP   LOW
00189>                    DS=    2   8.0  15.0   8.0  15.0   8.0  15.0   0.5   5.0
00190>                    KEFF=  0   2.0   4.0  10.0  15.0  15.0  40.0   0.0  10.0
00191>                    CS=    0   1.0   2.0   7.5  11.2  11.2  30.0   0.0   7.5
00192>                    D=     0   0.2   0.4   1.0   1.5   1.5   4.0   0.0   1.0
00193>                    SAV=   0   200   200   200   200   200   200   200   200
00194>                    HI=    0   100   100   100   200   100   200     1   100
00195>                    SMCI=  0  0.56  0.56  0.54  0.54  0.46  0.46  0.54  0.46
00196>                    IMCI=  0  0.46  0.46  0.40  0.40  0.23  0.23  0.54  0.23
00197>                    FCAPI= 0  0.46  0.46  0.40  0.40  0.23  0.23  0.40  0.23
00198>                    WILTI= 0  0.27  0.27  0.19  0.19  0.07  0.07  0.40  0.07
00199>                    HII=   0   150   150   300   400   300   600     1   300
00200>                    SMCII= 0  0.56  0.56  0.54  0.54  0.46  0.46  0.54  0.46
00201>                    IMCII= 0  0.46  0.46  0.40  0.40  0.23  0.23  0.54  0.23
00202>                    FCAPII=0  0.46  0.46  0.40  0.40  0.23  0.23  0.40  0.23
00203>                    WILTII=0  0.27  0.27  0.19  0.19  0.07  0.07  0.40  0.07
00204>                    X=     0    1     0     0     0     0     0     0     0
00205>                    FATR=  1    1     1     1     1     1     1     1     1
00206>                    INC =  1    1     5     1     5     1     5     1     1
00207>
00208> *
00209> * Go to event file
00210> *
00211> CHANGE INPUT FILE
00212> *
00213> *  Main channel Parabolic Swale - Flat                                   7
00214> *
00215> COMPUTE RATING CURVE ID=1  VS=     7.000   NSEGS=3
00216>                          MIN EL=  100.70   MAX EL=  103.00
00217>                          CHNSLP= 0.01000   FLNSLP= 0.01000
00218>                          N= 0.070  DIST=   20.00
00219>                          N=-0.050  DIST=   30.00
00220>                          N= 0.070  DIST=   50.00
00221>                            DIST    ELEV     DIST    ELEV     DIST    ELEV
00222>                             0.00  103.00    20.00  101.00    23.00  100.80
00223>                            25.00  100.70    27.00  100.80    30.00  101.00
00224>                            50.00  103.00
00225>                          RFN=0.0000 PCODE=1
00226> *
00227> * Compute runoff hydrograph from area 3916
00228> * VS=   7.000 is main channel & VS=   1.000 is off-channel
00229> *
00230> COMPUTE FLOWRATE    ID=1 NHD=3916 AREA=   0.0260 Sq km  L=   150 m  W=   100 m
00231>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00232>                       1.0   0.0  0.0  35.0  0.0  64.0  0.0   0.0  0.0
00233>                     RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
00234>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
00235>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00236>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00237>                     GWFACT=0.00 GWON=0
00238>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00239> *
00240> * Compute runoff hydrograph from area 3919
00241> * VS=   7.000 is main channel & VS=   1.000 is off-channel
00242> *
00243> COMPUTE FLOWRATE    ID=3 NHD=3919 AREA=   0.1360 Sq km  L=   200 m  W=   180 m
00244>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00245>                       1.0   0.0  0.0  22.0  3.0  74.0  0.0   0.0  0.0
00246>                     RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
00247>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
00248>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00249>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00250>                     GWFACT=0.00 GWON=0
00251>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00252> *
00253> * Sum hydr. 3916 & 3919 call result 2000
00254> *
```

```
00255> ADD HYD            ID=4 HYD NO=2000 IDA=1 IDB=3 ICODE=0                  AREA=
00256> *
00257> * Compute runoff hydrograph from area 3910
00258> * VS=   4.000 is main channel & VS=   1.100 is off-channel
00259> *
00260> COMPUTE FLOWRATE    ID=1 NHD=3910 AREA=   0.1760 Sq km  L=   300 m  W=   200 m
00261>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00262>                      1.0   0.0  5.0  16.3 38.1  11.9 27.7   0.0  0.0
00263>                    RATING CURVES: IDMC=4 IDOC=6 QRMC=  0.50 QROC=  0.05
00264>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
00265>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00266>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00267>                    GWFACT=0.00 GWON=0
00268>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00269> *
00270> * Sum hydr. 2000 & 3910 call result 2001
00271> *
00272> ADD HYD            ID=3 HYD NO=2001 IDA=4 IDB=1 ICODE=0                  AREA=
00273> *
00274> *   Typical Urban Cross-Section                                           6
00275> *
00276> COMPUTE RATING CURVE ID=1  VS=     8.000   NSEGS=3
00277>                      MIN EL=  295.00   MAX EL=  295.70
00278>                      CHNSLP= 0.00500   FLNSLP= 0.00500
00279>                      N= 0.015  DIST=  200.00
00280>                      N=-0.015  DIST=  300.00
00281>                      N= 0.015  DIST=  500.00
00282>                        DIST    ELEV     DIST    ELEV     DIST    ELEV
00283>                        0.00  295.70   200.00  295.50   200.10  295.00
00284>                      299.90  295.00   300.00  295.50   500.00  295.70
00285>                     RFN=0.0000 PCODE=1
00286> *
00287> *   Typical Urban Cross-Section                                           6
00288> *
00289> COMPUTE RATING CURVE ID=6  VS=     8.000   NSEGS=3
00290>                      MIN EL=  295.00   MAX EL=  295.70
00291>                      CHNSLP= 0.00500   FLNSLP= 0.00500
00292>                      N= 0.015  DIST=  200.00
00293>                      N=-0.015  DIST=  300.00
00294>                      N= 0.015  DIST=  500.00
00295>                        DIST    ELEV     DIST    ELEV     DIST    ELEV
00296>                        0.00  295.70   200.00  295.50   200.10  295.00
00297>                      299.90  295.00   300.00  295.50   500.00  295.70
00298>                     RFN=0.0000 PCODE=1
00299> *
00300> * Compute runoff hydrograph from area 7912
00301> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00302> *
00303> COMPUTE FLOWRATE    ID=1 NHD=7912 AREA=   0.0270 Sq km  L=   450 m  W=    50 m
00304>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00305>                      1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
00306>                    RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
00307>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00308>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00309>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00310>                    GWFACT=0.00 GWON=0
00311>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00312> *
00313> * Rooftop Infiltration for 7912
00314> *
00315> ROUTE SPECIAL POND  ID=4 HYD NO=6912 INFLOW=1 PCODE=0 OPTION= 5
00316>                    Inflow controls:
00317>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00318>                        GWPCT=  0% GWDIV=0
00319>                    Maximum level for Routing Tables:  ZMAX= 101.300
00320>                    Recharge characteristics for Compartment A
00321>                      LEVELA= 100.000              EVAPA= 0.0 mm/d ACODE=0
00322>                      CDA=   0.000 mm/h  DZA= 10.00 m
00323>                    Recharge characteristics for Compartment B
00324>                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00325>                      CDB=  15.000 mm/h  DZB= 10.00 m
00326>                    Irrigation Pond Controls: IPOND=0
00327>                    Number of points=  5
00328>                                  Compartment  A          Compartment B
00329>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00330>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00331>                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0672
00332>                     100.999     0.000  0.0000  0.0000   0.000  0.0671  0.0672
00333>                     101.000     0.000  0.0000  0.0000   0.001  0.0672  0.0672
00334>                     101.200     0.000  0.0000  0.0000   0.480  0.0900  0.0672
00335>                     101.300     0.000  0.0000  0.0000   0.520  0.1000  0.0672
00336> *
00337> * Compute runoff hydrograph from area 8912
00338> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00339> *
00340> COMPUTE FLOWRATE    ID=1 NHD=8912 AREA=   0.1410 Sq km  L=   450 m  W=    50 m
00341>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00342>                     46.4   0.0  0.0  53.6  0.0   0.0  0.0   0.0  0.0
00343>                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00344>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00345>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00346>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00347>                    GWFACT=0.00 GWON=0
00348>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00349> *
00350> * Sum hydr. 6912 & 8912 call result 3912
00351> *
00352> ADD HYD            ID=5 HYD NO=3912 IDA=4 IDB=1 ICODE=0                  AREA=
00353> *
00354> * 1912 End-of-Pipe Infiltration (for Catchment 3912)
00355> *
00356> ROUTE SPECIAL POND  ID=1 HYD NO=1912 INFLOW=5 PCODE=0 OPTION=15
00357>                    Inflow controls:
00358>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00359>                        GWPCT=  0% GWDIV=0
00360>                    Maximum level for Routing Tables:  ZMAX= 200.300
00361>                    Recharge characteristics for Compartment A
00362>                      LEVELA= 198.340              EVAPA= 0.0 mm/d ACODE=0
00363>                      CDA=   0.000 mm/h  DZA= 10.00 m
00364>                    Recharge characteristics for Compartment B
00365>                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00366>                      CDB=  15.000 mm/h  DZB= 10.00 m
00367>                    Irrigation Pond Controls: IPOND=0
00368>                    Number of points=  5
00369>                                  Compartment  A          Compartment B
00370>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00371>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00372>                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0504
00373>                     199.990     0.000  0.0000  0.0000   0.000  0.0839  0.0504
00374>                     200.010     0.000  0.0000  0.0000   0.001  0.0840  0.0504
00375>                     200.100     0.000  0.0000  0.0000   0.400  0.1100  0.0504
00376>                     200.300     0.000  0.0000  0.0000   2.500  0.2200  0.0504
00377> *
00378> * 5912 Quantity SWM Basin
00379> *
00380> ROUTE SPECIAL POND  ID=4 HYD NO=5912 INFLOW=1 PCODE=0 OPTION=15
00381>                    Inflow controls:
00382>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00383>                        GWPCT=  0% GWDIV=0
00384>                    Maximum level for Routing Tables:  ZMAX= 203.600
00385>                    Recharge characteristics for Compartment A
00386>                      LEVELA= 200.000              EVAPA= 1.4 mm/d ACODE=0
00387>                      CDA=   0.000 mm/h  DZA= 10.00 m
00388>                    Recharge characteristics for Compartment B
00389>                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
00390>                      CDB=   0.000 mm/h  DZB= 10.00 m
00391>                    Irrigation Pond Controls: IPOND=0
00392>                    Number of points= 10
00393>                                  Compartment  A          Compartment B
00394>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00395>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00396>                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.1660
00397>                     200.000     0.000  0.0000  0.0000   0.000  0.0034  0.1660
00398>                     200.500     0.000  0.0000  0.0000   0.010  0.0400  0.2111
00399>                     201.000     0.000  0.0000  0.0000   0.014  0.0616  0.2650
00400>                     201.400     0.000  0.0000  0.0000   0.016  0.2675  0.2700
00401>                     202.400     0.000  0.0000  0.0000   0.155  0.3570  0.3100
00402>                     203.000     0.000  0.0000  0.0000   0.847  0.5680  0.3600
00403>                     203.300     0.000  0.0000  0.0000   1.162  0.6500  0.3683
00404>                     203.400     0.000  0.0000  0.0000   3.000  0.7000  0.3795
00405>                     203.600     0.000  0.0000  0.0000   5.106  0.7200  0.4020
00406> *
00407> * Go to event file: 5912 Quantity SWM Basin
00408> *
00409> CHANGE INPUT FILE
00410> *
00411> * Sum hydr. 2001 & 5912 call result 2002
00412> *
00413> ADD HYD            ID=1 HYD NO=2002 IDA=3 IDB=4 ICODE=0                  AREA=
00414> *
00415> * Compute runoff hydrograph from area 7913
00416> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00417> *
00418> COMPUTE FLOWRATE    ID=3 NHD=7913 AREA=   0.0180 Sq km  L=   450 m  W=    50 m
00419>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00420>                      1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
00421>                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00422>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00423>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00424>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00425>                    GWFACT=0.00 GWON=0
00426>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00427> *
00428> * Rooftop Infiltration for 7913
00429> *
00430> ROUTE SPECIAL POND  ID=4 HYD NO=6913 INFLOW=3 PCODE=0 OPTION= 5
00431>                    Inflow controls:
00432>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00433>                        GWPCT=  0% GWDIV=0
00434>                    Maximum level for Routing Tables:  ZMAX= 101.300
00435>                    Recharge characteristics for Compartment A
00436>                      LEVELA= 100.000              EVAPA= 0.0 mm/d ACODE=0
00437>                      CDA=   0.000 mm/h  DZA= 10.00 m
00438>                    Recharge characteristics for Compartment B
00439>                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00440>                      CDB=  15.000 mm/h  DZB= 10.00 m
00441>                    Irrigation Pond Controls: IPOND=0
00442>                    Number of points=  5
00443>                                  Compartment  A          Compartment B
00444>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00445>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00446>                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0440
00447>                     100.999     0.000  0.0000  0.0000   0.000  0.0439  0.0440
00448>                     101.000     0.000  0.0000  0.0000   0.001  0.0440  0.0440
00449>                     101.200     0.000  0.0000  0.0000   0.450  0.0500  0.0440
00450>                     101.300     0.000  0.0000  0.0000   0.500  0.0600  0.0440
00451> *
00452> * Compute runoff hydrograph from area 8913
00453> * VS=   8.000 is main channel & VS=   8.000 is off-channel
00454> *
00455> COMPUTE FLOWRATE    ID=3 NHD=8913 AREA=   0.0920 Sq km  L=   450 m  W=    50 m
00456>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
00457>                     46.4   0.0  0.0  18.4  0.0  35.2  0.0   0.0  0.0
00458>                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
00459>                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
00460>                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
00461>                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
00462>                    GWFACT=0.00 GWON=0
00463>                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
00464> *
00465> * Sum hydr. 6913 & 8913 call result 3913
00466> *
00467> ADD HYD            ID=5 HYD NO=3913 IDA=4 IDB=3 ICODE=0                  AREA=
00468> *
00469> * 1913 End-of-Pipe Infiltration
00470> *
00471> ROUTE SPECIAL POND  ID=3 HYD NO=1913 INFLOW=5 PCODE=0 OPTION=15
00472>                    Inflow controls:
00473>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00474>                        GWPCT=  0% GWDIV=0
00475>                    Maximum level for Routing Tables:  ZMAX= 200.300
00476>                    Recharge characteristics for Compartment A
00477>                      LEVELA= 198.340              EVAPA= 0.0 mm/d ACODE=0
00478>                      CDA=   0.000 mm/h  DZA= 10.00 m
00479>                    Recharge characteristics for Compartment B
00480>                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
00481>                      CDB=  15.000 mm/h  DZB= 10.00 m
00482>                    Irrigation Pond Controls: IPOND=0
00483>                    Number of points=  5
00484>                                  Compartment  A          Compartment B
00485>                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
00486>                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
00487>                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0330
00488>                     199.990     0.000  0.0000  0.0000   0.000  0.0549  0.0330
00489>                     200.010     0.000  0.0000  0.0000   0.001  0.0550  0.0330
00490>                     200.100     0.000  0.0000  0.0000   0.400  0.0800  0.0330
00491>                     200.300     0.000  0.0000  0.0000   2.100  0.2000  0.0330
00492> *
00493> * 5913 Quantity SWM Basin
00494> *
00495> ROUTE SPECIAL POND  ID=4 HYD NO=5913 INFLOW=3 PCODE=0 OPTION=15
00496>                    Inflow controls:
00497>                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
00498>                        GWPCT=  0% GWDIV=0
00499>                    Maximum level for Routing Tables:  ZMAX= 202.950
00500>                    Recharge characteristics for Compartment A
00501>                      LEVELA= 200.000              EVAPA= 1.4 mm/d ACODE=0
00502>                      CDA=   0.000 mm/h  DZA= 10.00 m
00503>                    Recharge characteristics for Compartment B
00504>                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
00505>                      CDB=   0.000 mm/h  DZB= 10.00 m
00506>                    Irrigation Pond Controls: IPOND=0
00507>                    Number of points= 10
00508>                                  Compartment  A          Compartment B
```

```
                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                      199.990     0.000  0.0000  0.0000   0.000  0.0000  0.1660
                      200.000     0.000  0.0000  0.0000   0.000  0.0022  0.1660
                      200.500     0.000  0.0000  0.0000   0.010  0.0400  0.2111
                      201.000     0.000  0.0000  0.0000   0.011  0.0616  0.2650
                      201.500     0.000  0.0000  0.0000   0.013  0.1700  0.2700
                      202.600     0.000  0.0000  0.0000   0.123  0.2052  0.3100
                      202.700     0.000  0.0000  0.0000   0.676  0.3080  0.3600
                      202.800     0.000  0.0000  0.0000   1.162  0.4000  0.3683
                      202.900     0.000  0.0000  0.0000   2.382  0.5284  0.3795
                      202.950     0.000  0.0000  0.0000   4.106  0.7685  0.4020
*
* Go to event file: 5913 Quantity SWM Basin
*
CHANGE INPUT FILE
*
* Sum hydr. 2002 & 5913 call result 2003
*
ADD HYD             ID=3 HYD NO=2003 IDA=1 IDB=4 ICODE=0                  AREA=
*
* Beaver Creek at Conservation Drive
*
ADD HYD             ID=1 HYD NO=2004 IDA=2 IDB=3 ICODE=0                  AREA=
*
* Go to event file: Beaver Creek at Conservation Drive
*
CHANGE INPUT FILE
*
* Beaver Creek in subcatchment 391, from Conservation Drive to           19
*
COMPUTE RATING CURVE ID=4  VS=     5.000   NSEGS=3
                      MIN EL=  342.02   MAX EL=  343.63
                      CHNSLP= 0.02600   FLNSLP= 0.02600
                      N= 0.100  DIST=    8.25
                      N=-0.045  DIST=   13.28
                      N= 0.100  DIST=   20.67
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  343.63     2.03  343.62     4.62  343.55
                         6.99  343.56     8.25  343.43     8.51  343.03
                         8.62  342.91     9.44  342.90    10.02  342.85
                        10.39  342.82    11.57  342.91    12.16  342.88
                        12.40  342.94    12.63  342.02    12.98  343.17
                        13.28  343.33    14.36  343.36    17.52  343.46
                        20.67  343.40
                     RFN=0.0000 PCODE=1
*
* Beaver Creek through 391, south of Conservation Drive
* Using Valley Section      5.000 As channel Rating Curve
*
ROUTE CHANNEL       ID=2 HYD NO= 131 INFLOW=1 LENGTH=   870 m  SLOPE=0.00250
                    RCID=4 NS=1 PCODE=1 INDEX=1 PIPE=0 CANOPY=  0.0%
*
* Compute runoff hydrograph from area 7914
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=1 NHD=7914 AREA=   0.0270 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7914
*
ROUTE SPECIAL POND  ID=3 HYD NO=6914 INFLOW=1 PCODE=0 OPTION= 5
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 101.300
                    Recharge characteristics for Compartment A
                      LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0684
                     100.999     0.000  0.0000  0.0000   0.000  0.0683  0.0684
                     101.000     0.000  0.0000  0.0000   0.001  0.0684  0.0684
                     101.200     0.000  0.0000  0.0000   0.300  0.0750  0.0684
                     101.300     0.000  0.0000  0.0000   0.400  0.0770  0.0684
*
* Compute runoff hydrograph from area 8914
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=1 NHD=8914 AREA=   0.1440 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                    46.4   0.0  0.0  24.4  0.0  28.2  1.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6914 & 8914 call result 3914
*
ADD HYD             ID=4 HYD NO=3914 IDA=3 IDB=1 ICODE=0                  AREA=
*
* 1914 End-of-Pipe Infiltration (Accepts flow from 7291)
*
ROUTE SPECIAL POND  ID=1 HYD NO=1914 INFLOW=4 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 200.300
                    Recharge characteristics for Compartment A
                      LEVELA= 198.340               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0513
                     199.990     0.000  0.0000  0.0000   0.000  0.0844  0.0513
                     200.010     0.000  0.0000  0.0000   0.001  0.0855  0.0513
                     200.100     0.000  0.0000  0.0000   0.400  0.1350  0.0513
                     200.300     0.000  0.0000  0.0000   2.100  0.2200  0.0513
*
* 5914 Quantity SWM Basin
*
ROUTE SPECIAL POND  ID=3 HYD NO=5914 INFLOW=1 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 203.000
                    Recharge characteristics for Compartment A
                      LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
                      CDB=   0.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points= 10
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.2200
                     200.000     0.000  0.0000  0.0000   0.000  0.0034  0.2200
                     200.500     0.000  0.0000  0.0000   0.009  0.0350  0.2370
                     201.000     0.000  0.0000  0.0000   0.013  0.0508  0.3120
                     202.000     0.000  0.0000  0.0000   0.014  0.2980  0.3280
                     202.100     0.000  0.0000  0.0000   0.127  0.3525  0.3450
                     202.400     0.000  0.0000  0.0000   0.699  0.5800  0.3900
                     202.500     0.000  0.0000  0.0000   0.719  0.6992  0.3962
                     202.500     0.000  0.0000  0.0000   1.285  0.7393  0.4075
                     203.000     0.000  0.0000  0.0000   3.922  0.8031  0.4303
*
* Go to event file: 5914 Quantity SWM Basin
*
CHANGE INPUT FILE
*
* Compute runoff hydrograph from area 7915
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=1 NHD=7915 AREA=   0.0040 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7915
*
ROUTE SPECIAL POND  ID=4 HYD NO=6915 INFLOW=1 PCODE=0 OPTION= 5
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 101.300
                    Recharge characteristics for Compartment A
                      LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0096
                     100.999     0.000  0.0000  0.0000   0.000  0.0095  0.0096
                     101.000     0.000  0.0000  0.0000   0.001  0.0096  0.0096
                     101.200     0.000  0.0000  0.0000   0.080  0.0150  0.0096
                     101.300     0.000  0.0000  0.0000   0.100  0.0200  0.0096
*
* Compute runoff hydrograph from area 8915
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=1 NHD=8915 AREA=   0.0200 Sq km  L=   450 m  W=    50 m
               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                    46.4   0.0  0.0  18.9  0.0  34.6  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6915 & 8915 call result 3915
*
ADD HYD             ID=5 HYD NO=3915 IDA=4 IDB=1 ICODE=0                  AREA=
*
* 1915 End-of-Pipe Infiltration
*
ROUTE SPECIAL POND  ID=1 HYD NO=1915 INFLOW=5 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 200.300
                    Recharge characteristics for Compartment A
                      LEVELA= 198.340               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                  Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0072
                     199.990     0.000  0.0000  0.0000   0.000  0.0119  0.0072
                     200.010     0.000  0.0000  0.0000   0.001  0.0120  0.0072
                     200.100     0.000  0.0000  0.0000   0.400  0.0400  0.0072
                     200.300     0.000  0.0000  0.0000   1.100  0.0800  0.0072
*
* 5915 Quantity SWM Basin
*
ROUTE SPECIAL POND  ID=4 HYD NO=5915 INFLOW=1 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 202.500
                    Recharge characteristics for Compartment A
                      LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
```

```
                      CDB=   0.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  9
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)      (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.0370
                     200.000     0.000  0.0000  0.0000   0.000  0.0005  0.0370
                     201.500     0.000  0.0000  0.0000   0.002  0.0080  0.0380
                     201.000     0.000  0.0000  0.0000   0.003  0.0144  0.0390
                     201.600     0.000  0.0000  0.0000   0.004  0.0370  0.0530
                     202.200     0.000  0.0000  0.0000   0.042  0.0413  0.0760
                     202.300     0.000  0.0000  0.0000   0.231  0.0486  0.0943
                     202.450     0.000  0.0000  0.0000   0.462  0.0844  0.1044
                     202.500     0.000  0.0000  0.0000   2.706  0.1263  0.1145
*
* Go to event file: 5915 Quantity SWM Basin
*
CHANGE INPUT FILE
*
* Sum hydr. 5914 & 5915 call result 2005
*
ADD HYD             ID=1 HYD NO=2005 IDA=3 IDB=4 ICODE=0                  AREA=
*
* Typical off-channel (Flat slopes)                                       6
*
COMPUTE RATING CURVE ID=6  VS=     1.100   NSEGS=3
                      MIN EL=  100.00   MAX EL=  100.60
                      CHNSLP= 0.01000   FLNSLP= 0.01000
                      N= 0.350  DIST=   39.15
                      N=-0.150  DIST=   40.85
                      N= 0.350  DIST=   80.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  100.60    39.15  100.20    39.75  100.00
                        40.25  100.00    40.85  100.20    80.00  100.60
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 3911
* VS=   5.000 is main channel & VS=   1.100 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=3911 AREA=   0.1950 Sq km  L=   400 m  W=   250 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0   3.0 27.0   3.0 12.0  11.0 43.0   0.0  0.0
                    RATING CURVES: IDMC=4 IDOC=6 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 2005 & 3911 call result 2006
*
ADD HYD             ID=4 HYD NO=2006 IDA=1 IDB=3 ICODE=0                  AREA=
*
* Compute runoff hydrograph from area 7917
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=1 NHD=7917 AREA=   0.0040 Sq km  L=   450 m  W=    50 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7917
*
ROUTE SPECIAL POND  ID=3 HYD NO=6917 INFLOW=1 PCODE=0 OPTION= 5
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 101.300
                    Recharge characteristics for Compartment A
                      LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)      (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0108
                     100.999     0.000  0.0000  0.0000   0.000  0.0107  0.0108
                     101.000     0.000  0.0000  0.0000   0.001  0.0108  0.0108
                     101.200     0.000  0.0000  0.0000   0.080  0.0130  0.0108
                     101.300     0.000  0.0000  0.0000   0.100  0.0160  0.0108
*
* Compute runoff hydrograph from area 8917
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=1 NHD=8917 AREA=   0.0230 Sq km  L=   450 m  W=    50 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                       46.4   5.4  0.0   40.0  0.0   8.1  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6917 & 8917 call result 3917
*
ADD HYD             ID=5 HYD NO=3917 IDA=3 IDB=1 ICODE=0                  AREA=
*
* 1917 End-of-Pipe Infiltration
*
ROUTE SPECIAL POND  ID=1 HYD NO=1917 INFLOW=5 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 200.300
                    Recharge characteristics for Compartment A
                      LEVELA= 198.340               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)      (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0081
                     199.990     0.000  0.0000  0.0000   0.000  0.0134  0.0081
                     200.010     0.000  0.0000  0.0000   0.001  0.0135  0.0081
                     200.100     0.000  0.0000  0.0000   0.300  0.0250  0.0081
                     200.300     0.000  0.0000  0.0000   1.000  0.0800  0.0081
*
* 5917 Quantity SWM Basin
*
ROUTE SPECIAL POND  ID=3 HYD NO=5917 INFLOW=1 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 202.200
                    Recharge characteristics for Compartment A
                      LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
                      CDB=   0.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  9
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)      (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.0540
                     200.000     0.000  0.0000  0.0000   0.000  0.0005  0.0540
                     200.500     0.000  0.0000  0.0000   0.001  0.0080  0.0590
                     201.000     0.000  0.0000  0.0000   0.002  0.0092  0.0640
                     201.600     0.000  0.0000  0.0000   0.003  0.0480  0.0690
                     201.900     0.000  0.0000  0.0000   0.027  0.0585  0.0740
                     202.000     0.000  0.0000  0.0000   0.148  0.0910  0.0790
                     202.100     0.000  0.0000  0.0000   1.162  0.1200  0.0840
                     202.200     0.000  0.0000  0.0000   2.500  0.1300  0.0900
*
* Go to event file: 5917 Quantity SWM Basin
*
CHANGE INPUT FILE
*
* Sum hydr. 2006 & 5917 call result 2007
*
ADD HYD             ID=1 HYD NO=2007 IDA=4 IDB=3 ICODE=0                  AREA=
*
*  Main channel Parabolic Swale - Flat                                     7
*
COMPUTE RATING CURVE ID=1  VS=     7.000   NSEGS=3
                      MIN EL=  100.70   MAX EL=  103.00
                      CHNSLP= 0.01000   FLNSLP= 0.01000
                      N= 0.070  DIST=   20.00
                      N=-0.050  DIST=   30.00
                      N= 0.070  DIST=   50.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  103.00    20.00  101.00    23.00  100.80
                        25.00  100.70    27.00  100.80    30.00  101.00
                        50.00  103.00
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 3918
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=3918 AREA=   0.0060 Sq km  L=    50 m  W=   100 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0   0.0 20.0   0.0 79.0   0.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 2007 & 3918 call result 2008
*
ADD HYD             ID=4 HYD NO=2008 IDA=1 IDB=3 ICODE=0                  AREA=
*
* Beaver Creek at south end of Site
*
ADD HYD             ID=1 HYD NO=2009 IDA=2 IDB=4 ICODE=0                  AREA=
*
* Go to event file: Beaver Creek at south end of Site
*
CHANGE INPUT FILE
*
* Compute runoff hydrograph from area 3092
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=3092 AREA=   0.0400 Sq km  L=   300 m  W=   100 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0  28.0  7.0  34.0  0.0  30.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Compute runoff hydrograph from area 3093
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=3093 AREA=   0.0070 Sq km  L=   150 m  W=   100 m
                 SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                        1.0   0.0 40.0  18.0 41.0   0.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Total outflow from 309
*
ADD HYD             ID=4 HYD NO=2010 IDA=2 IDB=3 ICODE=0                  AREA=
*
*   Typical Urban Cross-Section                                           6
*
COMPUTE RATING CURVE ID=1  VS=     8.000   NSEGS=3
                      MIN EL=  295.00   MAX EL=  295.70
                      CHNSLP= 0.00500   FLNSLP= 0.00500
                      N= 0.015  DIST=  200.00
                      N=-0.015  DIST=  300.00
                      N= 0.015  DIST=  500.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  295.70   200.00  295.50   200.10  295.00
                       299.90  295.00   300.00  295.50   500.00  295.70
                      RFN=0.0000 PCODE=1
*
*   Typical Urban Cross-Section                                           6
*
COMPUTE RATING CURVE ID=6  VS=     8.000   NSEGS=3
                      MIN EL=  295.00   MAX EL=  295.70
```

```
01017>                       CHNSLP= 0.00500   FLNSLP= 0.00500
01018>                       N= 0.015  DIST=  200.00
01019>                       N=-0.015  DIST=  300.00
01020>                       N= 0.015  DIST=  500.00
01021>                         DIST    ELEV     DIST    ELEV     DIST    ELEV
01022>                          0.00  295.70   200.00  295.50   200.10  295.00
01023>                        299.90  295.00   300.00  295.50   500.00  295.70
01024>                       RFN=0.0000 PCODE=1
01025> *
01026> * Compute runoff hydrograph from area 7101
01027> * VS=   8.000 is main channel & VS=   8.000 is off-channel
01028> * Residential rooftop areas to infiltration galleries
01029> *
01030> COMPUTE FLOWRATE    ID=2 NHD=7101 AREA=   0.02266 Sq km  L=    20 m  W=    10 m
01031>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
01032>                         1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
01033>                      RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
01034>                      ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
01035>                      SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
01036>                      RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
01037>                      GWFACT=0.00 GWON=0
01038>                      SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
01039> *
01040> *
01041> PRINT HYD           ID=2 PCODE=1 MODE=10
01042> *
01043> * Rooftop Infiltration for 7101
01044> *
01045> ROUTE SPECIAL POND  ID=3 HYD NO=6101 INFLOW=2 PCODE=0 OPTION= 5
01046>                      Inflow controls:
01047>                          USPCT=100% USDIV=0     PCTA=  0% ADIV=0
01048>                          GWPCT=  0% GWDIV=0
01049>                      Maximum level for Routing Tables:  ZMAX= 100.873
01050>                      Recharge characteristics for Compartment A
01051>                        LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
01052>                        CDA=   0.000 mm/h  DZA= 10.00 m
01053>                      Recharge characteristics for Compartment B
01054>                        LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
01055>                        CDB=  15.000 mm/h  DZB= 10.00 m
01056>                      Irrigation Pond Controls: IPOND=0
01057>                      Number of points=  4
01058>                                  Compartment  A          Compartment B
01059>                      Elevation  Outflow Storage  SFArea Outflow Storage SFArea
01060>                         (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
01061>                       100.000     0.000  0.0000  0.0000   0.000  0.0000  0.2590
01062>                       100.749     0.000  0.0000  0.0000   0.000  0.0680  0.2590
01063>                       100.750     0.000  0.0000  0.0000   0.001  0.0680  0.2590
01064>                       100.873     0.000  0.0000  0.0000   0.800  0.0760  0.2590
01065> *
01066> *
01067> PRINT HYD           ID=3 PCODE=1 MODE=10
01068> *
01069> * Compute runoff hydrograph from area 4101
01070> * VS=   8.000 is main channel & VS=   8.000 is off-channel
01071> * Residential pervious area to amended soil
01072> *
01073> COMPUTE FLOWRATE    ID=2 NHD=4101 AREA=   0.02507 Sq km  L=    30 m  W=    14 m
01074>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
01075>                         0.0   0.0  0.0  96.1  0.0   3.9   0.0  0.0  0.0
01076>                      RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
01077>                      ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
01078>                      SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
01079>                      RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
01080>                      GWFACT=0.00 GWON=0
01081>                      SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
01082> *
01083> *
01084> PRINT HYD           ID=2 PCODE=1 MODE=10
01085> *
01086> * Pervious Area through amdended soil
01087> * 450mm @ 30% void ratio, considered 60mm depth volume to be conservative
01088> *
01089> ROUTE SPECIAL POND  ID=4 HYD NO=5101 INFLOW=2 PCODE=0 OPTION=15
01090>                      Inflow controls:
01091>                          USPCT=100% USDIV=0     PCTA=  0% ADIV=0
01092>                          GWPCT=  0% GWDIV=0
01093>                      Maximum level for Routing Tables:  ZMAX= 100.069
01094>                      Recharge characteristics for Compartment A
01095>                        LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
01096>                        CDA=   0.000 mm/h  DZA= 10.00 m
01097>                      Recharge characteristics for Compartment B
01098>                        LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
01099>                        CDB=   4.000 mm/h  DZB= 10.00 m
01100>                      Irrigation Pond Controls: IPOND=0
01101>                      Number of points=  4
01102>                                  Compartment  A          Compartment B
01103>                      Elevation  Outflow Storage  SFArea Outflow Storage SFArea
01104>                         (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
01105>                       100.000     0.000  0.0000  0.0000   0.000  0.0000  2.5070
01106>                       100.059     0.000  0.0000  0.0000   0.000  0.1504  2.5070
01107>                       100.060     0.000  0.0000  0.0000   0.001  0.1530  2.5070
01108>                       100.069     0.000  0.0000  0.0000   0.800  0.1700  2.5070
01109> *
01110> *
01111> PRINT HYD           ID=4 PCODE=1 MODE=10
01112> *
01113> * Sum hydr. 5101 & 6101 call result 1101
01114> *
01115> ADD HYD             ID=2 HYD NO=1101 IDA=3 IDB=4 ICODE=0                  AREA=
01116> *
01117> * Compute runoff hydrograph from area 8101 (remaining development area)
01118> * VS=   8.000 is main channel & VS=   8.000 is off-channel
01119> *
01120> COMPUTE FLOWRATE    ID=3 NHD=8101 AREA=   0.03297 Sq km  L=   450 m  W=    50 m
01121>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
01122>                        87.6   0.0  0.0  11.9  0.0   0.5  0.0   0.0  0.0
01123>                      RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
01124>                      ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
01125>                      SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
01126>                      RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
01127>                      GWFACT=0.00 GWON=0
01128>                      SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
01129> *
01130> *
01131> PRINT HYD           ID=3 PCODE=1 MODE=10
01132> *
01133> * Sum hydr. 1101 & 8101 call result 2101
01134> *
01135> ADD HYD             ID=4 HYD NO=2101 IDA=2 IDB=3 ICODE=0                  AREA=
01136> *
01137> PRINT HYD           ID=4 PCODE=1 MODE=10
01138> NEW DUMP OUTPUT     MODE=10 ID=4 IOPT=4 FTYPE=0
01139> *
01140> * Compute runoff hydrograph from area 9101 (existing Conservation Drive area)
01141> * VS=   8.000 is main channel & VS=   8.000 is off-channel
01142> *
01143> COMPUTE FLOWRATE    ID=2 NHD=9101 AREA=   0.0239 Sq km  L=   450 m  W=    50 m
01144>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
01145>                         42.5   0.0  0.0  57.5  0.0   0.0  0.0   0.0  0.0
01146>                      RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
01147>                      ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
01148>                      SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
01149>                      RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
01150>                      GWFACT=0.00 GWON=0
01151>                      SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
01152> *
01153> *
01154> PRINT HYD           ID=2 PCODE=1 MODE=10
01155> *
01156> * Sum hydr. 2101 & 9101 call result 3101
01157> *
01158> ADD HYD             ID=5 HYD NO=3101 IDA=4 IDB=2 ICODE=0                  AREA=
01159> *
01160> *
01161> PRINT HYD           ID=5 PCODE=1 MODE=10
01162> NEW DUMP OUTPUT     MODE=10 ID=5 IOPT=4 FTYPE=0
01163> *
01164> * 5101 Interim SWM Basin (surge protection only)
01165> *
01166> ROUTE SPECIAL POND  ID=2 HYD NO=5101 INFLOW=5 PCODE=0 OPTION=15
01167>                      Inflow controls:
01168>                          USPCT=100% USDIV=0     PCTA=  0% ADIV=0
01169>                          GWPCT=  0% GWDIV=0
01170>                      Maximum level for Routing Tables:  ZMAX= 203.500
01171>                      Recharge characteristics for Compartment A
01172>                        LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
01173>                        CDA=   0.000 mm/h  DZA= 10.00 m
01174>                      Recharge characteristics for Compartment B
01175>                        LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
01176>                        CDB=   0.000 mm/h  DZB= 10.00 m
01177>                      Irrigation Pond Controls: IPOND=0
01178>                      Number of points=  9
01179>                                  Compartment  A          Compartment B
01180>                      Elevation  Outflow Storage  SFArea Outflow Storage SFArea
01181>                         (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
01182>                       199.990     0.000  0.0000  0.0000   0.000  0.0000  0.4400
01183>                       201.500     0.000  0.0000  0.0000   0.014  0.0050  0.4600
01184>                       201.520     0.000  0.0000  0.0000   0.252  0.0055  0.5100
01185>                       201.600     0.000  0.0000  0.0000   0.470  0.0070  0.5450
01186>                       202.000     0.000  0.0000  0.0000   0.470  0.1420  0.5910
01187>                       202.100     0.000  0.0000  0.0000   1.000  0.1590  0.5950
01188>                       202.600     0.000  0.0000  0.0000   2.500  0.8700  0.6058
01189>                       202.700     0.000  0.0000  0.0000   3.500  0.8900  0.6354
01190>                       203.500     0.000  0.0000  0.0000   4.500  0.9100  0.6650
01191> *
01192> * Compute runoff hydrograph from area 7107
01193> * VS=   8.000 is main channel & VS=   8.000 is off-channel
01194> *
01195> COMPUTE FLOWRATE    ID=3 NHD=7107 AREA=   0.0210 Sq km  L=   450 m  W=    50 m
01196>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
01197>                         1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
01198>                      RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
01199>                      ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
01200>                      SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
01201>                      RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
01202>                      GWFACT=0.00 GWON=0
01203>                      SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
01204> *
01205> * Rooftop Infiltration for 7107
01206> *
01207> ROUTE SPECIAL POND  ID=5 HYD NO=6107 INFLOW=3 PCODE=0 OPTION= 5
01208>                      Inflow controls:
01209>                          USPCT=100% USDIV=0     PCTA=  0% ADIV=0
01210>                          GWPCT=  0% GWDIV=0
01211>                      Maximum level for Routing Tables:  ZMAX= 101.300
01212>                      Recharge characteristics for Compartment A
01213>                        LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
01214>                        CDA=   0.000 mm/h  DZA= 10.00 m
01215>                      Recharge characteristics for Compartment B
01216>                        LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
01217>                        CDB=  15.000 mm/h  DZB= 10.00 m
01218>                      Irrigation Pond Controls: IPOND=0
01219>                      Number of points=  5
01220>                                  Compartment  A          Compartment B
01221>                      Elevation  Outflow Storage  SFArea Outflow Storage SFArea
01222>                         (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
01223>                       100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0520
01224>                       100.999     0.000  0.0000  0.0000   0.000  0.0519  0.0520
01225>                       101.000     0.000  0.0000  0.0000   0.001  0.0520  0.0520
01226>                       101.200     0.000  0.0000  0.0000   0.380  0.0600  0.0520
01227>                       101.300     0.000  0.0000  0.0000   0.460  0.0700  0.0520
01228> *
01229> * Compute runoff hydrograph from area 8107
01230> * VS=   8.000 is main channel & VS=   8.000 is off-channel
01231> *
01232> COMPUTE FLOWRATE    ID=3 NHD=8107 AREA=   0.1090 Sq km  L=   450 m  W=    50 m
01233>               SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
01234>                        46.4   0.0  0.0  42.6  0.0  10.9  0.0   0.0  0.0
01235>                      RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
01236>                      ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
01237>                      SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
01238>                      RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
01239>                      GWFACT=0.00 GWON=0
01240>                      SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
01241> *
01242> * Sum hydr. 6107 & 8107 call result 3107
01243> *
01244> ADD HYD             ID=6 HYD NO=3107 IDA=5 IDB=3 ICODE=0                  AREA=
01245> *
01246> * Sum hydr. 5101 & 3107 call result 2012
01247> *
01248> ADD HYD             ID=3 HYD NO=2012 IDA=2 IDB=6 ICODE=0                  AREA=
01249> *
01250> *  Main channel Parabolic Swale - Flat                                     7
01251> *
01252> COMPUTE RATING CURVE ID=1  VS=     7.000   NSEGS=3
01253>                       MIN EL=  100.70   MAX EL=  103.00
01254>                       CHNSLP= 0.01000   FLNSLP= 0.01000
01255>                       N= 0.070  DIST=   20.00
01256>                       N=-0.050  DIST=   30.00
01257>                       N= 0.070  DIST=   50.00
01258>                         DIST    ELEV     DIST    ELEV     DIST    ELEV
01259>                          0.00  103.00    20.00  101.00    23.00  100.80
01260>                         25.00  100.70    27.00  100.80    30.00  101.00
01261>                         50.00  103.00
01262>                       RFN=0.0000 PCODE=1
01263> *
01264> * Typical off-channel (Flat slopes)                                       6
01265> *
01266> COMPUTE RATING CURVE ID=6  VS=     1.100   NSEGS=3
01267>                       MIN EL=  100.00   MAX EL=  100.60
01268>                       CHNSLP= 0.01000   FLNSLP= 0.01000
01269>                       N= 0.350  DIST=   39.15
01270>                       N=-0.150  DIST=   40.85
```

```
                      N= 0.350  DIST=   80.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  100.60    39.15  100.20    39.75  100.00
                        40.25  100.00    40.85  100.20    80.00  100.60
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 3105
* VS=   7.000 is main channel & VS=   1.100 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=3105 AREA=   0.0350 Sq km  L=   200 m  W=   180 m
              SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                    1.0   0.0  0.0  74.0  0.0  25.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 2012 & 3105 call result 2013
*
ADD HYD             ID=5 HYD NO=2013 IDA=3 IDB=2 ICODE=0                  AREA=
*
*   Typical Urban Cross-Section                                          6
*
COMPUTE RATING CURVE ID=1  VS=     8.000   NSEGS=3
                      MIN EL=  295.00   MAX EL=  295.70
                      CHNSLP= 0.00500   FLNSLP= 0.00500
                      N= 0.015  DIST=  200.00
                      N=-0.015  DIST=  300.00
                      N= 0.015  DIST=  500.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  295.70   200.00  295.50   200.10  295.00
                       299.90  295.00   300.00  295.50   500.00  295.70
                      RFN=0.0000 PCODE=1
*
*   Typical Urban Cross-Section                                          6
*
COMPUTE RATING CURVE ID=6  VS=     8.000   NSEGS=3
                      MIN EL=  295.00   MAX EL=  295.70
                      CHNSLP= 0.00500   FLNSLP= 0.00500
                      N= 0.015  DIST=  200.00
                      N=-0.015  DIST=  300.00
                      N= 0.015  DIST=  500.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  295.70   200.00  295.50   200.10  295.00
                       299.90  295.00   300.00  295.50   500.00  295.70
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 7102
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=7102 AREA=   0.0150 Sq km  L=   450 m  W=    50 m
              SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                    1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                    RATING CURVES: IDMC=1 IDOC=6 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7102
*
ROUTE SPECIAL POND  ID=3 HYD NO=6102 INFLOW=2 PCODE=0 OPTION= 5
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 101.300
                    Recharge characteristics for Compartment A
                      LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.0364
                     100.999     0.000  0.0000  0.0000   0.000  0.0363  0.0364
                     101.000     0.000  0.0000  0.0000   0.001  0.0364  0.0364
                     101.200     0.000  0.0000  0.0000   0.120  0.0390  0.0364
                     101.300     0.000  0.0000  0.0000   0.200  0.0440  0.0364
*
* Compute runoff hydrograph from area 8102
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=8102 AREA=   0.0760 Sq km  L=   450 m  W=    50 m
              SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     46.4   0.0  0.0   0.0  0.0  53.6  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=1 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6102 & 8102 call result 3102
*
ADD HYD             ID=6 HYD NO=3102 IDA=3 IDB=2 ICODE=0                  AREA=
*
* Sum hydr. 2013 & 3102 call result 2014
*
ADD HYD             ID=2 HYD NO=2014 IDA=5 IDB=6 ICODE=0                  AREA=
*
* 1102 End-of-Pipe Infiltration
*
ROUTE SPECIAL POND  ID=3 HYD NO=1102 INFLOW=2 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 200.500
                    Recharge characteristics for Compartment A
                      LEVELA= 198.340               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  7
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.800     0.000  0.0000  0.0000   0.000  0.0000  0.1611
                     199.990     0.000  0.0000  0.0000   0.000  0.2684  0.1611
                     200.010     0.000  0.0000  0.0000   0.001  0.2685  0.1611
                     200.100     0.000  0.0000  0.0000   0.400  0.3000  0.1611
                     200.300     0.000  0.0000  0.0000   1.600  0.3500  0.1611
                     200.400     0.000  0.0000  0.0000   3.000  0.4000  0.1611
                     200.500     0.000  0.0000  0.0000   5.500  0.4300  0.1611
*
* 5102 Quantity SWM Basin
*
ROUTE SPECIAL POND  ID=2 HYD NO=5102 INFLOW=3 PCODE=0 OPTION=15
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 203.500
                    Recharge characteristics for Compartment A
                      LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
                      CDB=   0.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points= 10
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     199.990     0.000  0.0000  0.0000   0.000  0.0000  0.4400
                     200.000     0.000  0.0000  0.0000   0.000  0.0062  0.4400
                     201.500     0.000  0.0000  0.0000   0.014  0.0600  0.4600
                     201.520     0.000  0.0000  0.0000   0.039  0.1156  0.5100
                     201.600     0.000  0.0000  0.0000   0.500  0.3500  0.5450
                     202.000     0.000  0.0000  0.0000   1.500  0.4500  0.5910
                     202.100     0.000  0.0000  0.0000   2.500  0.5000  0.5950
                     202.600     0.000  0.0000  0.0000   3.500  0.5547  0.6058
                     202.700     0.000  0.0000  0.0000   4.500  0.6788  0.6354
                     203.500     0.000  0.0000  0.0000   5.500  0.7431  0.6650
*
* Go to event file: 5102 Quantity SWM Basin
*
CHANGE INPUT FILE
*
*
*  Main channel Parabolic Swale - Flat                                   7
*
COMPUTE RATING CURVE ID=1  VS=     7.000   NSEGS=3
                      MIN EL=  100.70   MAX EL=  103.00
                      CHNSLP= 0.01000   FLNSLP= 0.01000
                      N= 0.070  DIST=   20.00
                      N=-0.050  DIST=   30.00
                      N= 0.070  DIST=   50.00
                        DIST    ELEV     DIST    ELEV     DIST    ELEV
                         0.00  103.00    20.00  101.00    23.00  100.80
                        25.00  100.70    27.00  100.80    30.00  101.00
                        50.00  103.00
                      RFN=0.0000 PCODE=1
*
* Compute runoff hydrograph from area 3103
* VS=   7.000 is main channel & VS=   1.000 is off-channel
*
COMPUTE FLOWRATE    ID=3 NHD=3103 AREA=   0.0020 Sq km  L=    50 m  W=    50 m
              SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                    1.0   0.0 25.0   0.0  0.0  74.0  0.0   0.0  0.0
                    RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 2.0 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Outflow from 310 WEST of Beaver Creek Road
*
ADD HYD             ID=5 HYD NO=2015 IDA=2 IDB=3 ICODE=0                  AREA=
*
* Compute runoff hydrograph from area 7106
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=7106 AREA=   0.0520 Sq km  L=   450 m  W=    50 m
              SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                    1.0   0.0  0.0   0.0  0.0   0.0  0.0  99.0  0.0
                    RATING CURVES: IDMC=6 IDOC=6 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Rooftop Infiltration for 7106
*
ROUTE SPECIAL POND  ID=3 HYD NO=6106 INFLOW=2 PCODE=0 OPTION= 5
                    Inflow controls:
                        USPCT=100% USDIV=0     PCTA=  0% ADIV=0
                        GWPCT=  0% GWDIV=0
                    Maximum level for Routing Tables:  ZMAX= 101.300
                    Recharge characteristics for Compartment A
                      LEVELA= 100.000               EVAPA= 0.0 mm/d ACODE=0
                      CDA=   0.000 mm/h  DZA= 10.00 m
                    Recharge characteristics for Compartment B
                      LEVELB= 100.000 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
                      CDB=  15.000 mm/h  DZB= 10.00 m
                    Irrigation Pond Controls: IPOND=0
                    Number of points=  5
                                    Compartment  A          Compartment B
                    Elevation  Outflow Storage  SFArea Outflow Storage SFArea
                       (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
                     100.000     0.000  0.0000  0.0000   0.000  0.0000  0.1304
                     100.999     0.000  0.0000  0.0000   0.000  0.1303  0.1304
                     101.000     0.000  0.0000  0.0000   0.001  0.1304  0.1304
                     101.200     0.000  0.0000  0.0000   0.950  0.1510  0.1304
                     101.300     0.000  0.0000  0.0000   1.050  0.1520  0.1304
*
* Compute runoff hydrograph from area 8106
* VS=   8.000 is main channel & VS=   8.000 is off-channel
*
COMPUTE FLOWRATE    ID=2 NHD=8106 AREA=   0.2740 Sq km  L=   450 m  W=    50 m
              SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
                     46.4   0.0  0.0  48.3  2.1   2.0  1.1   0.0  0.0
                    RATING CURVES: IDMC=6 IDOC=6 QRMC=  0.50 QROC=  0.05
                    ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
                    SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
                    RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
                    GWFACT=0.00 GWON=0
                    SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
*
* Sum hydr. 6106 & 8106 call result 3106
*
ADD HYD             ID=6 HYD NO=3106 IDA=3 IDB=2 ICODE=0                  AREA=
*
* Compute runoff hydrograph from area 3104
* VS=   7.000 is main channel & VS=   1.000 is off-channel
```

```
01525> *
01526> COMPUTE FLOWRATE    ID=2 NHD=3104 AREA=   0.0540 Sq km  L=   200 m  W=   150 m
01527>                SOIL ZONE I    II  III    IV    V    VI  VII  VIII   IX
01528>                      10.0   0.0  0.0  23.0 67.0   0.0  0.0   0.0  0.0
01529>                     RATING CURVES: IDMC=1 IDOC=5 QRMC=  0.50 QROC=  0.05
01530>                     ROUTING MODEL=2 CONSTANTS: OVERLAND FTB= 1.2 TLO= 0.0
01531>                     SUBSURFACE: KSS= 5.0 KGW= 384 h PCODE=1 WQPCODE=1
01532>                     RBASIN=0 IDA=0 IDB=0 IDC=0 IDD=0 RBDUMP=0
01533>                     GWFACT=0.00 GWON=0
01534>                     SWQTH=   0.0 L/s SWPUMP=   0.0 L/s SWCODE=0
01535> *
01536> * Sum hydr. 3106 & 3104 call result 2016
01537> *
01538> ADD HYD             ID=3 HYD NO=2016 IDA=6 IDB=2 ICODE=0                  AREA=
01539> *
01540> * 1106 End-of-Pipe Infiltration
01541> *
01542> ROUTE SPECIAL POND  ID=2 HYD NO=1106 INFLOW=3 PCODE=0 OPTION=15
01543>                     Inflow controls:
01544>                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
01545>                         GWPCT=  0% GWDIV=0
01546>                     Maximum level for Routing Tables:  ZMAX= 200.300
01547>                     Recharge characteristics for Compartment A
01548>                       LEVELA= 198.340               EVAPA= 0.0 mm/d ACODE=0
01549>                       CDA=   0.000 mm/h  DZA= 10.00 m
01550>                     Recharge characteristics for Compartment B
01551>                       LEVELB= 198.340 CCBA= 0.00000  EVAPB= 0.0 mm/d BCODE=1
01552>                       CDB=  15.000 mm/h  DZB= 10.00 m
01553>                     Irrigation Pond Controls: IPOND=0
01554>                     Number of points=  6
01555>                                  Compartment  A          Compartment B
01556>                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
01557>                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
01558>                      199.800     0.000  0.0000  0.0000   0.000  0.0000  0.0978
01559>                      199.990     0.000  0.0000  0.0000   0.000  0.1629  0.0978
01560>                      200.010     0.000  0.0000  0.0000   0.001  0.1630  0.0978
01561>                      200.100     0.000  0.0000  0.0000   0.400  0.1750  0.0978
01562>                      200.200     0.000  0.0000  0.0000   1.000  0.1800  0.0978
01563>                      200.300     0.000  0.0000  0.0000   2.000  0.1830  0.0978
01564> *
01565> * 5106 Quantity SWM Basin
01566> *
01567> ROUTE SPECIAL POND  ID=3 HYD NO=5106 INFLOW=2 PCODE=0 OPTION=15
01568>                     Inflow controls:
01569>                         USPCT=100% USDIV=0     PCTA=  0% ADIV=0
01570>                         GWPCT=  0% GWDIV=0
01571>                     Maximum level for Routing Tables:  ZMAX= 202.900
01572>                     Recharge characteristics for Compartment A
01573>                       LEVELA= 200.000               EVAPA= 1.4 mm/d ACODE=0
01574>                       CDA=   0.000 mm/h  DZA= 10.00 m
01575>                     Recharge characteristics for Compartment B
01576>                       LEVELB= 200.000 CCBA= 0.00000  EVAPB= 1.4 mm/d BCODE=0
01577>                       CDB=   0.000 mm/h  DZB= 10.00 m
01578>                     Irrigation Pond Controls: IPOND=0
01579>                     Number of points=  9
01580>                                  Compartment  A          Compartment B
01581>                     Elevation  Outflow Storage  SFArea Outflow Storage SFArea
01582>                        (m)       (cms)  (ha*m)    (ha)   (cms)  (ha*m)    (ha)
01583>                      199.990     0.000  0.0000  0.0000   0.000  0.0000  0.6520
01584>                      200.000     0.000  0.0000  0.0000   0.000  0.0065  0.6520
01585>                      201.500     0.000  0.0000  0.0000   0.019  0.0900  0.6570
01586>                      201.600     0.000  0.0000  0.0000   0.021  0.1304  0.6620
01587>                      202.000     0.000  0.0000  0.0000   0.500  0.1800  0.6670
01588>                      202.100     0.000  0.0000  0.0000   1.000  0.2300  0.6720
01589>                      202.400     0.000  0.0000  0.0000   1.500  0.2800  0.6770
01590>                      202.600     0.000  0.0000  0.0000   2.000  0.3300  0.6820
01591>                      202.900     0.000  0.0000  0.0000   3.000  0.3800  0.6870
01592> *
01593> * Go to event file: 5106 Quantity SWM Basin
01594> *
01595> CHANGE INPUT FILE
01596> *
01597> *
01598> * This is the total outflow from 310 in the Primary Study Area
01599> *
01600> ADD HYD             ID=2 HYD NO=2017 IDA=5 IDB=3 ICODE=0                  AREA=
01601> *
01602> * Go to event file: This is the total outflow from 310 in the Primary Study Area
01603> *
01604> CHANGE INPUT FILE
01605> *
01606> FINISH
01607>
```

```
                    GAWSER V6.9.12 - Released -Sept. 30, 2010
                    =========================================

                       Upper River Watershed Model
                     Generalized Water Balance Summary
                         Demonstration
                    =========================================

    Input file 1=wbsum1.dat
    Input file 2=
    Output file =wbsum1.lst
 * ============================================================================
 * File created by Dr. H.O. Schroeter, January 10, 2000
 * ============================================================================
 START               KUNITS=2 TOTAL WATERSHED AREA=167    SQ KM
                     INITIAL BASEFLOW AT OUTLET: QBSS= 0.0000 QBGW= 0.000
                     PRINT OPTIONS: ECHO=3 OUTPUT=1 PLOTS=0 RCS=1 SUBW=1
                       PLOT CUTOFF=576 SUM=4 FREE=0
                     PARAMETER ADJUSTMENT FACTORS: FDS=1.00 FKEFF=0.25
                       FCS=0.30 FD=0.30 FSAV=1.0 FKO=1.00 FKSS=1.0 FKMF=1.00
                     INITIAL SOIL/SNOW WATER FACTORS:
                       FIMCI=1.00 FIMCII=1.00 FIWE=0.0000
                     GLOBAL RAINFALL SCALING FACTOR: GFRF=1.0000
                     SIMULATION CONTROLS: TTI=1.00000 IDEL=2 HOURS=576
                     SUBWATERSHED INITIAL BASEFLOWS: -999
 ♀

                  WATER BALANCE SUMMARY FOR HYDROGRAPH 3101
                  =========================================

       Location:       Hydrograph 3101
       Scenario File: wbsum1.dat
       Period:        1951/01/01 to 2005/12/30      Area:     0.0930 km^2

                              Water Balance Quantities (in mm)
                                                  Infiltration       Total
        Month    Precip        ET    Runoff  (Baseflow) (Losses)     Flow
         JAN       48.0       7.9      12.9       9.7      17.5      22.6
         FEB       42.6       7.1      18.4       8.2       9.0      26.5
         MAR       60.4       8.9      49.8       8.6      -6.9      58.4
         APR       76.7      32.8      36.3      11.3      -3.7      47.6
         MAY       77.8      55.7      24.7      11.7     -14.2      36.4
         JUN       76.7      56.1      24.2       6.8     -10.4      31.0
         JUL       85.1      51.3      30.4       3.6      -0.2      34.0
         AUG       86.0      44.3      29.0       2.0      10.7      31.0
         SEP       79.4      32.4      25.8       1.9      19.4      27.6
         OCT       66.5      24.5      21.5       2.9      17.6      24.4
         NOV       82.3      13.2      29.2       5.2      34.7      34.4
         DEC       63.2       7.2      19.3       8.8      27.9      28.1

        Total     844.8     341.5     321.5      80.6     101.2     402.1

                              Extreme Flows Summary
                              =====================

         Return Period         High Flows       Low Flows
          (Years)               (m^3/s)          (m^3/s)
             1.25                0.160            0.0000
             2.00                0.270            0.0000
             5.00                0.440            0.0000
            10.00                0.580            0.0000
            20.00                0.710            0.0000
            25.00                0.760            0.0000
            50.00                0.900            0.0000
           100.00                1.050            0.0000
           200.00                1.220            0.0000
           500.00                1.440            0.0000

                              Flow-Duration Summary
                              =====================

         PCT% Time   Flow (m^3/s)      PCT% Time  Flow (m^3/s)
              98.0    0.00000              50.0    0.00034
              90.0    0.00002              40.0    0.00042
              80.0    0.00007              30.0    0.00049
              70.0    0.00015              20.0    0.00086
              60.0    0.00025              10.0    0.00300
 ♀

       MONTHLY LOW FLOW SUMMARY
       ========================
       7 Day    for  Hydrograph 3101

  Year          JAN       FEB       MAR       APR       MAY       JUN       JUL
  1951        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1952        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1953        0.000     0.000     0.000     0.000     0.000     0.001     0.000
  1954        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1955        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1956        0.000     0.000     0.000     0.000     0.001     0.000     0.000
  1957        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1958        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1959        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1960        0.001     0.000     0.000     0.001     0.001     0.000     0.000
  1961        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1962        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1963        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1964        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1965        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1966        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1967        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1968        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1969        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1970        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1971        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1972        0.000     0.000     0.001     0.000     0.000     0.000     0.000
  1973        0.000     0.000     0.000     0.001     0.000     0.000     0.000
  1974        0.000     0.000     0.000     0.000     0.001     0.000     0.000
  1975        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1976        0.000     0.000     0.002     0.000     0.000     0.000     0.000
  1977        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1978        0.001     0.000     0.000     0.000     0.000     0.000     0.000
  1979        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1980        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1981        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1982        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1983        0.001     0.001     0.000     0.000     0.001     0.000     0.000
  1984        0.000     0.000     0.000     0.000     0.001     0.000     0.000
  1985        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1986        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1987        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1989        0.001     0.000     0.000     0.000     0.000     0.000     0.000
  1990        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1991        0.001     0.000     0.000     0.001     0.000     0.000     0.000
  1992        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1993        0.001     0.000     0.000     0.000     0.000     0.000     0.000
  1994        0.000     0.000     0.000     0.000     0.001     0.000     0.000
  1995        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1996        0.000     0.000     0.000     0.000     0.001     0.001     0.000
  1997        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1998        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1999        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  2000        0.000     0.000     0.000     0.000     0.001     0.001     0.000
  2001        0.000     0.000     0.000     0.001     0.000     0.000     0.000
  2002        0.001     0.001     0.001     0.000     0.001     0.001     0.000
  2003        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  2004        0.001     0.000     0.000     0.000     0.001     0.000     0.000
  2005        0.000     0.000     0.000     0.000     0.000     0.000     0.000

Minimum       0.000     0.000     0.000     0.000     0.000     0.000     0.000
Maximum       0.001     0.001     0.002     0.001     0.001     0.001     0.000
 Mean         0.000     0.000     0.000     0.000     0.000     0.000     0.000
Number          55.       55.       55.       55.       55.       55.       55.


       LOW FLOW FREQUENCY REGIME FOR EACH MONTH
       ========================================
       7 Day    for  Hydrograph 3101

 Return        Low Flows in m^3/s
 Period         JAN       FEB       MAR       APR       MAY       JUN       JUL
   1.25       0.000     0.000     0.001     0.000     0.001     0.000     0.000
   2.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000
   5.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000
  10.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000
  20.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000
  25.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000
  50.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000
 100.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000
 200.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000
 500.00       0.000     0.000     0.000     0.000     0.000     0.000     0.000

       Distribution fitted Norm MM
 ♀

                  WATER BALANCE SUMMARY FOR HYDROGRAPH 5102
                  =========================================

       Location:       Hydrograph 5102
       Scenario File: wbsum1.dat
       Period:        1951/01/01 to 2005/12/30      Area:     0.3490 km^2

                              Water Balance Quantities (in mm)
                                                  Infiltration       Total
        Month    Precip        ET    Runoff  (Baseflow) (Losses)     Flow
         JAN       48.0       7.9      11.3      11.0      17.8      22.2
         FEB       42.6       7.1      16.4       8.8      10.3      25.2
         MAR       60.4       9.2      43.1      10.5      -2.4      53.6
         APR       76.7      36.0      28.7      11.1       0.9      39.8
         MAY       77.8      61.1      12.4       6.0      -1.7      18.5
         JUN       76.7      60.8       7.7       2.3       5.9      10.0
         JUL       85.1      55.3      12.5       1.0      16.4      13.5
         AUG       86.0      47.7       9.6       0.8      27.9      10.4
         SEP       79.4      34.5       8.6       0.8      35.5       9.4
         OCT       66.5      26.1       9.6       1.7      29.1      11.3
         NOV       82.3      13.9      20.4       5.5      42.5      25.9
         DEC       63.2       7.3      16.2      10.1      29.7      26.3

        Total     844.8     366.9     196.3      69.7     211.9     266.0

                              Extreme Flows Summary
                              =====================

         Return Period         High Flows       Low Flows
          (Years)               (m^3/s)          (m^3/s)
             1.25                0.220            0.0000
             2.00                0.520            0.0000
             5.00                0.990            0.0000
            10.00                1.320            0.0000
            20.00                1.660            0.0000
            25.00                1.770            0.0000
            50.00                2.130            0.0000
           100.00                2.500            0.0000
           200.00                2.890            0.0000
           500.00                3.440            0.0000

                              Flow-Duration Summary
                              =====================

         PCT% Time   Flow (m^3/s)      PCT% Time  Flow (m^3/s)
              98.0    0.00000              50.0    0.00050
              90.0    0.00000              40.0    0.00100
              80.0    0.00000              30.0    0.00200
              70.0    0.00000              20.0    0.00200
              60.0    0.00000              10.0    0.00700
 ♀

       MONTHLY LOW FLOW SUMMARY
       ========================
       7 Day    for  Hydrograph 5102

  Year          JAN       FEB       MAR       APR       MAY       JUN       JUL
  1951        0.000     0.000     0.001     0.001     0.000     0.000     0.000
  1952        0.000     0.001     0.001     0.001     0.000     0.000     0.000
  1953        0.001     0.001     0.001     0.001     0.000     0.000     0.000
  1954        0.000     0.000     0.001     0.001     0.000     0.000     0.000
  1955        0.002     0.002     0.002     0.001     0.000     0.000     0.000
  1956        0.002     0.001     0.001     0.001     0.000     0.000     0.000
  1957        0.001     0.001     0.001     0.001     0.000     0.000     0.000
  1958        0.002     0.001     0.001     0.000     0.000     0.000     0.000
  1959        0.001     0.001     0.001     0.001     0.000     0.000     0.000
  1960        0.002     0.001     0.001     0.002     0.000     0.000     0.000
  1961        0.000     0.000     0.002     0.001     0.000     0.000     0.000
  1962        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1963        0.001     0.000     0.000     0.000     0.000     0.000     0.000
  1964        0.000     0.000     0.001     0.001     0.000     0.000     0.000
  1965        0.000     0.001     0.001     0.001     0.000     0.000     0.000
  1966        0.002     0.002     0.001     0.001     0.000     0.000     0.000
  1967        0.002     0.002     0.001     0.001     0.000     0.000     0.000
  1968        0.002     0.002     0.002     0.001     0.000     0.000     0.000
  1969        0.002     0.002     0.002     0.002     0.000     0.000     0.000
  1970        0.001     0.000     0.000     0.001     0.000     0.000     0.000
  1971        0.001     0.001     0.001     0.001     0.000     0.000     0.000
  1972        0.001     0.001     0.002     0.000     0.000     0.000     0.000
  1973        0.002     0.002     0.002     0.001     0.000     0.000     0.000
  1974        0.002     0.002     0.002     0.001     0.000     0.000     0.000
  1975        0.001     0.001     0.001     0.001     0.000     0.000     0.000
```

1976	0.002	0.002	0.008	0.001	0.000	0.000	0.000
1977	0.001	0.000	0.002	0.001	0.000	0.000	0.000
1978	0.002	0.001	0.001	0.000	0.000	0.000	0.000
1979	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1980	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1981	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1982	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1983	0.002	0.002	0.002	0.001	0.001	0.000	0.000
1984	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1985	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1986	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1987	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1988	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1989	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1990	0.001	0.001	0.002	0.001	0.000	0.000	0.000
1991	0.002	0.002	0.003	0.002	0.000	0.000	0.000
1992	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1993	0.003	0.002	0.001	0.001	0.000	0.000	0.000
1994	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1995	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1996	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1997	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1998	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1999	0.000	0.000	0.000	0.001	0.000	0.000	0.000
2000	0.002	0.002	0.001	0.001	0.000	0.000	0.000
2001	0.000	0.000	0.000	0.001	0.000	0.000	0.000
2002	0.002	0.002	0.002	0.001	0.000	0.000	0.000
2003	0.001	0.000	0.000	0.000	0.000	0.000	0.000
2004	0.003	0.002	0.002	0.001	0.000	0.000	0.000
2005	0.002	0.002	0.002	0.001	0.000	0.000	0.000
Minimum	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maximum	0.003	0.002	0.008	0.002	0.001	0.000	0.000
Mean	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Number	55.	55.	55.	55.	55.	55.	55.

LOW FLOW FREQUENCY REGIME FOR EACH MONTH

7 Day for Hydrograph 5102

Return Period	Low Flows in m^3/s JAN	FEB	MAR	APR	MAY	JUN	JUL
1.25	0.002	0.002	0.002	0.001	0.000	0.000	0.000
2.00	0.001	0.001	0.001	0.001	0.000	0.000	0.000
5.00	0.001	0.001	0.001	0.001	0.000	0.000	0.000
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
200.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
500.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Distribution fitted Norm MM

♀

WATER BALANCE SUMMARY FOR HYDROGRAPH 5106

Location: Hydrograph 5106
Scenario File: wbsum1.dat
Period: 1951/01/01 to 2005/12/30 Area: 0.3800 km^2

Water Balance Quantities (in mm)

Month	Precip	ET	Runoff	Infiltration (Baseflow) (Losses)	Total Flow
JAN	48.0	7.9	11.5	10.5	18.0	22.1
FEB	42.6	7.1	16.7	8.6	10.2	25.3
MAR	60.4	9.3	44.2	10.5	-3.6	54.7
APR	76.7	36.8	30.5	12.0	-2.6	42.5
MAY	77.8	63.0	15.5	8.3	-9.0	23.8
JUN	76.7	63.7	12.2	4.3	-3.4	16.4
JUL	85.1	59.2	16.9	1.8	7.2	18.7
AUG	86.0	49.6	14.3	1.1	21.0	15.5
SEP	79.4	35.6	13.2	1.2	29.5	14.3
OCT	66.5	26.6	13.0	2.1	24.8	15.2
NOV	82.3	14.1	22.5	5.3	40.4	27.8
DEC	63.2	7.3	16.7	9.5	29.8	26.2
Total	844.8	380.0	227.3	75.2	162.3	302.5

Extreme Flows Summary

Return Period (Years)	High Flows (m^3/s)	Low Flows (m^3/s)
1.25	0.440	0.0000
2.00	0.770	0.0000
5.00	1.320	0.0000
10.00	1.740	0.0000
20.00	2.170	0.0000
25.00	2.320	0.0000
50.00	2.790	0.0000
100.00	3.290	0.0000
200.00	3.830	0.0000
500.00	4.590	0.0000

Flow-Duration Summary

PCT% Time	Flow (m^3/s)	PCT% Time	Flow (m^3/s)
98.0	0.00000	50.0	0.00100
90.0	0.00000	40.0	0.00200
80.0	0.00000	30.0	0.00200
70.0	0.00000	20.0	0.00300
60.0	0.00036	10.0	0.00900

♀

MONTHLY LOW FLOW SUMMARY

7 Day for Hydrograph 5106

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL
1951	0.000	0.001	0.001	0.001	0.001	0.000	0.000
1952	0.001	0.002	0.002	0.001	0.001	0.000	0.000
1953	0.001	0.001	0.001	0.001	0.001	0.000	0.000
1954	0.000	0.000	0.001	0.001	0.000	0.000	0.000
1955	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1956	0.002	0.001	0.001	0.001	0.001	0.000	0.000
1957	0.001	0.001	0.001	0.002	0.001	0.000	0.000
1958	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1959	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1960	0.002	0.002	0.001	0.003	0.001	0.000	0.000
1961	0.000	0.000	0.002	0.001	0.000	0.000	0.000
1962	0.000	0.000	0.000	0.001	0.000	0.000	0.000
1963	0.001	0.000	0.000	0.001	0.000	0.000	0.000
1964	0.000	0.000	0.001	0.001	0.000	0.000	0.000
1965	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1966	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1967	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1968	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1969	0.002	0.002	0.002	0.003	0.000	0.000	0.000
1970	0.000	0.000	0.000	0.001	0.000	0.000	0.000
1971	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1972	0.001	0.001	0.002	0.001	0.000	0.000	0.000
1973	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1974	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1975	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1976	0.002	0.002	0.008	0.002	0.000	0.000	0.000
1977	0.001	0.000	0.002	0.001	0.000	0.000	0.000
1978	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1979	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1980	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1981	0.001	0.001	0.001	0.002	0.000	0.000	0.000
1982	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1983	0.003	0.003	0.002	0.002	0.002	0.000	0.000
1984	0.001	0.001	0.001	0.001	0.001	0.000	0.000
1985	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1986	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1987	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1988	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1989	0.003	0.002	0.002	0.001	0.001	0.001	0.000
1990	0.001	0.001	0.002	0.001	0.000	0.000	0.000
1991	0.003	0.002	0.003	0.002	0.000	0.000	0.000
1992	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1993	0.003	0.002	0.001	0.001	0.000	0.000	0.000
1994	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1995	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1996	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1997	0.002	0.002	0.003	0.001	0.000	0.000	0.000
1998	0.001	0.002	0.002	0.001	0.000	0.000	0.000
1999	0.000	0.000	0.001	0.001	0.000	0.000	0.000
2000	0.002	0.002	0.001	0.001	0.001	0.000	0.000
2001	0.000	0.000	0.001	0.002	0.000	0.000	0.000
2002	0.003	0.002	0.003	0.002	0.000	0.000	0.000
2003	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	0.003	0.002	0.002	0.002	0.001	0.000	0.000
2005	0.002	0.002	0.002	0.001	0.000	0.000	0.000
Minimum	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maximum	0.003	0.003	0.008	0.003	0.002	0.001	0.000
Mean	0.001	0.001	0.002	0.001	0.000	0.000	0.000
Number	55.	55.	55.	55.	55.	55.	55.

LOW FLOW FREQUENCY REGIME FOR EACH MONTH

7 Day for Hydrograph 5106

Return Period	Low Flows in m^3/s JAN	FEB	MAR	APR	MAY	JUN	JUL
1.25	0.002	0.002	0.003	0.002	0.001	0.000	0.000
2.00	0.001	0.001	0.002	0.001	0.000	0.000	0.000
5.00	0.001	0.001	0.001	0.001	0.000	0.000	0.000
10.00	0.000	0.000	0.000	0.001	0.000	0.000	0.000
20.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
200.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
500.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Distribution fitted Norm MM

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                  GAWSER V6.9.12 - Released -Sept. 30, 2010
                  =========================================

                     Upper River Watershed Model
                   Generalized Water Balance Summary
                       Demonstration
                  =========================================

    Input file 1=wbsum1.dat
    Input file 2=
    Output file =wbsum1.lst
* ============================================================================
* File created by Dr. H.O. Schroeter, January 10, 2000
* ============================================================================
START               KUNITS=2 TOTAL WATERSHED AREA=167    SQ KM
                    INITIAL BASEFLOW AT OUTLET: QBSS= 0.0000 QBGW= 0.000
                    PRINT OPTIONS: ECHO=3 OUTPUT=1 PLOTS=0 RCS=1 SUBW=1
                      PLOT CUTOFF=576 SUM=4 FREE=0
                    PARAMETER ADJUSTMENT FACTORS: FDS=1.00 FKEFF=0.25
                      FCS=0.30 FD=0.30 FSAV=1.0 FKO=1.00 FKSS=1.0 FKMF=1.00
                    INITIAL SOIL/SNOW WATER FACTORS:
                      FIMCI=1.00 FIMCII=1.00 FIWE=0.0000
                    GLOBAL RAINFALL SCALING FACTOR: GFRF=1.0000
                    SIMULATION CONTROLS: TTI=1.00000 IDEL=2 HOURS=576
                    SUBWATERSHED INITIAL BASEFLOWS: -999
♠

                  WATER BALANCE SUMMARY FOR HYDROGRAPH 2101
                  =========================================

       Location:       Hydrograph 2101
       Scenario File: wbsum1.dat
       Period:        1951/01/01 to 2005/12/30      Area:     0.0807 km^2

                              Water Balance Quantities (in mm)
                                                 Infiltration       Total
        Month    Precip        ET    Runoff  (Baseflow) (Losses)     Flow
         JAN       48.0       7.9       9.8       1.1      29.2     10.9
         FEB       42.6       7.1      13.1       1.0      21.5     14.1
         MAR       60.4       8.7      32.4       1.3      18.0     33.7
         APR       76.7      29.0      24.8       1.2      21.6     26.1
         MAY       77.8      48.3      20.7       1.3       7.6     22.0
         JUN       76.7      48.5      21.4       0.8       6.0     22.2
         JUL       85.1      44.9      26.5       0.4      13.4     26.9
         AUG       86.0      39.4      25.9       0.2      20.6     26.0
         SEP       79.4      29.4      22.6       0.2      27.3     22.7
         OCT       66.5      22.2      18.6       0.3      25.4     18.9
         NOV       82.3      12.2      24.3       0.6      45.2     24.9
         DEC       63.2       7.2      14.9       1.0      40.1     15.9

       Total     844.8     304.7     255.0       9.3     275.8     264.3


                           Extreme Flows Summary
                           =====================

         Return Period         High Flows       Low Flows
          (Years)               (m^3/s)          (m^3/s)
             1.25                0.120           0.0000
             2.00                0.180           0.0000
             5.00                0.290           0.0000
            10.00                0.360           0.0000
            20.00                0.450           0.0000
            25.00                0.470           0.0000
            50.00                0.560           0.0000
           100.00                0.650           0.0000
           200.00                0.750           0.0000
           500.00                0.890           0.0000


                           Flow-Duration Summary
                           =====================

         PCT% Time   Flow (m^3/s)      PCT% Time  Flow (m^3/s)
              98.0    0.00000              50.0    0.00003
              90.0    0.00000              40.0    0.00004
              80.0    0.00001              30.0    0.00005
              70.0    0.00002              20.0    0.00049
              60.0    0.00003              10.0    0.00200
♠

       MONTHLY LOW FLOW SUMMARY
       ========================
       7 Day    for  Hydrograph 2101

  Year          JAN       FEB       MAR       APR       MAY       JUN       JUL
  1951        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1952        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1953        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1954        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1955        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1956        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1957        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1958        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1959        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1960        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1961        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1962        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1963        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1964        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1965        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1966        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1967        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1968        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1969        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1970        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1971        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1972        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1973        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1974        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1975        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1976        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1977        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1978        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1979        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1980        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1981        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1982        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1983        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1984        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1985        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1986        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1987        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1988        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1989        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1990        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1991        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1992        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1993        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1994        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1995        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1996        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1997        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1998        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1999        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  2000        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  2001        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  2002        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  2003        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  2004        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  2005        0.000     0.000     0.000     0.000     0.000     0.000     0.000

Minimum       0.000     0.000     0.000     0.000     0.000     0.000     0.000
Maximum       0.000     0.000     0.001     0.000     0.000     0.000     0.000
 Mean         0.000     0.000     0.000     0.000     0.000     0.000     0.000
Number          55.       55.       55.       55.       55.       55.       55.


       LOW FLOW FREQUENCY REGIME FOR EACH MONTH
       ========================================
       7 Day    for  Hydrograph 2101

 Return        Low Flows in m^3/s
 Period        JAN       FEB       MAR       APR       MAY       JUN       JUL
   1.25        0.000     0.000     0.000     0.000     0.000     0.000     0.000
   2.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000
   5.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  10.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  20.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  25.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  50.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000
 100.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000
 200.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000
 500.00        0.000     0.000     0.000     0.000     0.000     0.000     0.000

       Distribution fitted Norm MM
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                  WATER BALANCE SUMMARY FOR HYDROGRAPH 3101
                  =========================================

       Location:       Hydrograph 3101
       Scenario File: wbsum1.dat
       Period:        1951/01/01 to 2005/12/30      Area:     0.1046 km^2

                              Water Balance Quantities (in mm)
                                                 Infiltration       Total
        Month    Precip        ET    Runoff  (Baseflow) (Losses)     Flow
         JAN       48.0       7.9      10.8       3.7      25.6     14.5
         FEB       42.6       7.1      14.8       3.1      17.6     17.9
         MAR       60.4       8.8      38.0       3.5      10.1     41.5
         APR       76.7      31.1      28.5       4.2      12.9     32.7
         MAY       77.8      52.3      22.0       4.4      -0.9     26.4
         JUN       76.7      52.7      22.3       2.5      -0.9     24.9
         JUL       85.1      48.5      27.6       1.3       7.8     28.9
         AUG       86.0      42.1      26.7       0.7      16.5     27.4
         SEP       79.4      31.0      23.5       0.6      24.3     24.1
         OCT       66.5      23.5      19.6       1.1      22.4     20.6
         NOV       82.3      12.7      25.9       1.9      41.7     27.8
         DEC       63.2       7.2      16.4       3.3      36.2     19.8

       Total     844.8     325.0     276.1      30.3     213.4     306.4


                           Extreme Flows Summary
                           =====================

         Return Period         High Flows       Low Flows
          (Years)               (m^3/s)          (m^3/s)
             1.25                0.160           0.0000
             2.00                0.250           0.0000
             5.00                0.400           0.0000
            10.00                0.510           0.0000
            20.00                0.620           0.0000
            25.00                0.660           0.0000
            50.00                0.780           0.0000
           100.00                0.910           0.0000
           200.00                1.040           0.0000
           500.00                1.230           0.0000


                           Flow-Duration Summary
                           =====================

         PCT% Time   Flow (m^3/s)      PCT% Time  Flow (m^3/s)
              98.0    0.00000              50.0    0.00015
              90.0    0.00001              40.0    0.00018
              80.0    0.00003              30.0    0.00022
              70.0    0.00006              20.0    0.00074
              60.0    0.00011              10.0    0.00300
♠

       MONTHLY LOW FLOW SUMMARY
       ========================
       7 Day    for  Hydrograph 3101

  Year          JAN       FEB       MAR       APR       MAY       JUN       JUL
  1951        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1952        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1953        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1954        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1955        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1956        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1957        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1958        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1959        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1960        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1961        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1962        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1963        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1964        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1965        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1966        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1967        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1968        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1969        0.000     0.000     0.000     0.000     0.001     0.000     0.000
  1970        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1971        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1972        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1973        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1974        0.000     0.000     0.000     0.000     0.000     0.000     0.000
  1975        0.000     0.000     0.000     0.000     0.000     0.000     0.000
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1976	0.000	0.000	0.001	0.000	0.000	0.000	0.000
1977	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1978	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1979	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1980	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1981	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1982	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1983	0.000	0.000	0.000	0.000	0.001	0.000	0.000
1984	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1985	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1986	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1987	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1988	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1989	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1990	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1991	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1992	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1993	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1994	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Minimum	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maximum	0.000	0.000	0.001	0.001	0.001	0.000	0.000
Mean	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Number	55.	55.	55.	55.	55.	55.	55.

LOW FLOW FREQUENCY REGIME FOR EACH MONTH

7 Day for Hydrograph 3101

Return Period	Low Flows in m^3/s JAN	FEB	MAR	APR	MAY	JUN	JUL
1.25	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
200.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
500.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Distribution fitted Norm MM

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WATER BALANCE SUMMARY FOR HYDROGRAPH 5102

Location: Hydrograph 5102
Scenario File: wbsum1.dat
Period: 1951/01/01 to 2005/12/30 Area: 0.3606 km^2

Water Balance Quantities (in mm)

Month	Precip	ET	Runoff	Infiltration (Baseflow)	(Losses)	Total Flow
JAN	48.0	7.9	10.7	9.2	20.2	19.9
FEB	42.6	7.1	15.4	7.4	12.8	22.8
MAR	60.4	9.2	39.9	9.0	2.4	48.9
APR	76.7	35.4	26.5	9.3	5.6	35.8
MAY	77.8	59.8	11.8	5.1	1.2	16.9
JUN	76.7	59.6	7.4	2.0	7.7	9.4
JUL	85.1	54.3	12.1	0.9	17.9	12.9
AUG	86.0	47.0	9.4	0.7	28.9	10.1
SEP	79.4	34.1	8.3	0.7	36.3	9.0
OCT	66.5	25.8	9.3	1.4	30.0	10.7
NOV	82.3	13.7	19.6	4.6	44.3	24.3
DEC	63.2	7.2	15.4	8.5	32.0	23.9
Total	844.8	361.1	185.8	58.7	239.2	244.5

Extreme Flows Summary

Return Period (Years)	High Flows (m^3/s)	Low Flows (m^3/s)
1.25	0.210	0.0000
2.00	0.490	0.0000
5.00	0.940	0.0000
10.00	1.260	0.0000
20.00	1.590	0.0000
25.00	1.690	0.0000
50.00	2.030	0.0000
100.00	2.390	0.0000
200.00	2.760	0.0000
500.00	3.280	0.0000

Flow-Duration Summary

PCT% Time	Flow (m^3/s)	PCT% Time	Flow (m^3/s)
98.0	0.00000	50.0	0.00040
90.0	0.00000	40.0	0.00095
80.0	0.00000	30.0	0.00100
70.0	0.00000	20.0	0.00200
60.0	0.00000	10.0	0.00700

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MONTHLY LOW FLOW SUMMARY

7 Day for Hydrograph 5102

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL
1951	0.000	0.000	0.001	0.001	0.000	0.000	0.000
1952	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1953	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1954	0.000	0.000	0.001	0.001	0.000	0.000	0.000
1955	0.002	0.001	0.002	0.001	0.000	0.000	0.000
1956	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1957	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1958	0.002	0.001	0.001	0.000	0.000	0.000	0.000
1959	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1960	0.002	0.001	0.001	0.002	0.000	0.000	0.000
1961	0.000	0.000	0.001	0.001	0.000	0.000	0.000
1962	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1963	0.001	0.000	0.000	0.000	0.000	0.000	0.000
1964	0.000	0.000	0.001	0.001	0.000	0.000	0.000
1965	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1966	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1967	0.002	0.001	0.001	0.000	0.000	0.000	0.000
1968	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1969	0.002	0.001	0.001	0.002	0.000	0.000	0.000
1970	0.001	0.000	0.000	0.000	0.000	0.000	0.000
1971	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1972	0.001	0.001	0.002	0.000	0.000	0.000	0.000
1973	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1974	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1975	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1976	0.002	0.001	0.007	0.001	0.000	0.000	0.000
1977	0.001	0.000	0.002	0.001	0.000	0.000	0.000
1978	0.002	0.001	0.001	0.000	0.000	0.000	0.000
1979	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1980	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1981	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1982	0.001	0.001	0.000	0.000	0.000	0.000	0.000
1983	0.002	0.002	0.002	0.001	0.001	0.000	0.000
1984	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1985	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1986	0.002	0.001	0.001	0.000	0.000	0.000	0.000
1987	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1988	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1989	0.002	0.002	0.001	0.000	0.000	0.000	0.000
1990	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1991	0.002	0.002	0.003	0.001	0.000	0.000	0.000
1992	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1993	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1994	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1995	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1996	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1997	0.002	0.002	0.002	0.000	0.000	0.000	0.000
1998	0.001	0.002	0.001	0.000	0.000	0.000	0.000
1999	0.000	0.000	0.001	0.000	0.000	0.000	0.000
2000	0.002	0.001	0.001	0.000	0.000	0.000	0.000
2001	0.000	0.000	0.001	0.001	0.000	0.000	0.000
2002	0.002	0.002	0.002	0.001	0.000	0.000	0.000
2003	0.001	0.000	0.000	0.000	0.000	0.000	0.000
2004	0.002	0.001	0.002	0.001	0.000	0.000	0.000
2005	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Minimum	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maximum	0.002	0.002	0.007	0.002	0.001	0.000	0.000
Mean	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Number	55.	55.	55.	55.	55.	55.	55.

LOW FLOW FREQUENCY REGIME FOR EACH MONTH

7 Day for Hydrograph 5102

Return Period	Low Flows in m^3/s JAN	FEB	MAR	APR	MAY	JUN	JUL
1.25	0.002	0.002	0.002	0.001	0.000	0.000	0.000
2.00	0.001	0.001	0.001	0.001	0.000	0.000	0.000
5.00	0.001	0.001	0.000	0.000	0.000	0.000	0.000
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
200.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
500.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Distribution fitted Norm MM

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WATER BALANCE SUMMARY FOR HYDROGRAPH 5106

Location: Hydrograph 5106
Scenario File: wbsum1.dat
Period: 1951/01/01 to 2005/12/30 Area: 0.3800 km^2

Water Balance Quantities (in mm)

Month	Precip	ET	Runoff	Infiltration (Baseflow)	(Losses)	Total Flow
JAN	48.0	7.9	11.5	10.5	18.0	22.1
FEB	42.6	7.1	16.7	8.6	10.2	25.3
MAR	60.4	9.3	44.2	10.5	-3.6	54.7
APR	76.7	36.8	30.5	12.0	-2.6	42.5
MAY	77.8	63.0	15.5	8.3	-9.0	23.8
JUN	76.7	63.7	12.2	4.3	-3.4	16.4
JUL	85.1	59.2	16.9	1.8	7.2	18.7
AUG	86.0	49.6	14.3	1.1	21.0	15.5
SEP	79.4	35.6	13.2	1.2	29.5	14.3
OCT	66.5	26.6	13.0	2.1	24.8	15.2
NOV	82.3	14.1	22.5	5.3	40.4	27.8
DEC	63.2	7.3	16.7	9.5	29.8	26.2
Total	844.8	380.0	227.3	75.2	162.3	302.5

Extreme Flows Summary

Return Period (Years)	High Flows (m^3/s)	Low Flows (m^3/s)
1.25	0.440	0.0000
2.00	0.770	0.0000
5.00	1.320	0.0000
10.00	1.740	0.0000
20.00	2.170	0.0000
25.00	2.320	0.0000
50.00	2.790	0.0000
100.00	3.290	0.0000
200.00	3.830	0.0000
500.00	4.590	0.0000

Flow-Duration Summary

PCT% Time	Flow (m^3/s)	PCT% Time	Flow (m^3/s)
98.0	0.00000	50.0	0.00100
90.0	0.00000	40.0	0.00200
80.0	0.00000	30.0	0.00200
70.0	0.00000	20.0	0.00300
60.0	0.00036	10.0	0.00900

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MONTHLY LOW FLOW SUMMARY

7 Day for Hydrograph 5106

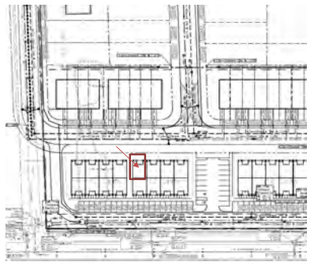
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL
1951	0.000	0.001	0.001	0.001	0.001	0.000	0.000
1952	0.001	0.002	0.002	0.001	0.001	0.000	0.000
1953	0.001	0.001	0.001	0.001	0.001	0.000	0.000
1954	0.000	0.000	0.001	0.001	0.000	0.000	0.000
1955	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1956	0.002	0.001	0.001	0.001	0.001	0.000	0.000
1957	0.001	0.001	0.001	0.002	0.001	0.000	0.000
1958	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1959	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1960	0.002	0.002	0.001	0.003	0.001	0.000	0.000
1961	0.000	0.000	0.002	0.001	0.000	0.000	0.000
1962	0.000	0.000	0.000	0.001	0.000	0.000	0.000
1963	0.001	0.000	0.000	0.001	0.000	0.000	0.000
1964	0.000	0.000	0.001	0.001	0.000	0.000	0.000
1965	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1966	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1967	0.002	0.002	0.001	0.001	0.000	0.000	0.000
1968	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1969	0.002	0.002	0.002	0.003	0.000	0.000	0.000
1970	0.000	0.000	0.000	0.001	0.000	0.000	0.000
1971	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1972	0.001	0.001	0.002	0.001	0.000	0.000	0.000
1973	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1974	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1975	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1976	0.002	0.002	0.008	0.002	0.000	0.000	0.000
1977	0.001	0.000	0.002	0.001	0.000	0.000	0.000
1978	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1979	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1980	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1981	0.001	0.001	0.001	0.002	0.000	0.000	0.000
1982	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1983	0.003	0.003	0.002	0.002	0.002	0.000	0.000
1984	0.001	0.001	0.001	0.001	0.001	0.000	0.000
1985	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1986	0.002	0.002	0.002	0.001	0.000	0.000	0.000
1987	0.002	0.001	0.001	0.001	0.000	0.000	0.000
1988	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1989	0.003	0.002	0.002	0.001	0.001	0.001	0.000
1990	0.001	0.001	0.002	0.001	0.000	0.000	0.000
1991	0.003	0.002	0.003	0.002	0.000	0.000	0.000
1992	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1993	0.003	0.002	0.001	0.001	0.000	0.000	0.000
1994	0.001	0.001	0.001	0.001	0.000	0.000	0.000
1995	0.000	0.001	0.001	0.001	0.000	0.000	0.000
1996	0.002	0.002	0.002	0.002	0.000	0.000	0.000
1997	0.002	0.002	0.003	0.001	0.000	0.000	0.000
1998	0.001	0.002	0.002	0.001	0.000	0.000	0.000
1999	0.000	0.000	0.001	0.001	0.000	0.000	0.000
2000	0.002	0.002	0.001	0.001	0.001	0.000	0.000
2001	0.000	0.000	0.001	0.002	0.000	0.000	0.000
2002	0.003	0.002	0.003	0.002	0.000	0.000	0.000
2003	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	0.003	0.002	0.002	0.002	0.001	0.000	0.000
2005	0.002	0.002	0.002	0.001	0.000	0.000	0.000
Minimum	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maximum	0.003	0.003	0.008	0.003	0.002	0.001	0.000
Mean	0.001	0.001	0.002	0.001	0.000	0.000	0.000
Number	55.	55.	55.	55.	55.	55.	55.

LOW FLOW FREQUENCY REGIME FOR EACH MONTH

7 Day for Hydrograph 5106

Return Period	Low Flows in m^3/s JAN	FEB	MAR	APR	MAY	JUN	JUL
1.25	0.002	0.002	0.003	0.002	0.001	0.000	0.000
2.00	0.001	0.001	0.002	0.001	0.000	0.000	0.000
5.00	0.001	0.001	0.001	0.001	0.000	0.000	0.000
10.00	0.000	0.000	0.000	0.001	0.000	0.000	0.000
20.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
200.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
500.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Distribution fitted Norm MM



Lawn			Rock Trench		
Impervious Area To Lawn	0	sq.m	Impervious Area	0	sq.m
Lawn Area		sq.m	Lawn over RT	0	sq.m
			Directly to Trench	70	sq.m
Total area:	0	sq.m	Total area:	70	sq.m
			Trench surf. area:	9.5	sq.m
			Trench depth:	0.6	m
			Trench porosity:	0.35	
			Trench full:	1.995	cu.m
			Trench initial vol:	0	cu.m
Subsoil exfil. rate:	4	mm/hr	Subsoil exfil. rate:	4	mm/hr
Soil depth:	150	mm	Soil depth:	0	mm
Soil porosity:	0.35		Soil porosity:	0.35	
Soil field cap:	0.15		Soil field cap:	0.15	
Soil wilt point:	0.1		Soil wilt point:	0.1	
Soil infil. rate	3.5	mm/hr	Soil infil. rate	3.5	mm/hr
Soil wilt point vol:	0.0	cu.m	Soil wilt point vol:	0.0	cu.m
Soil porosity vol:	0.0	cu.m	Soil porosity vol:	0.0	cu.m
Soil field cap vol:	0.0	cu.m	Soil field cap vol:	0.0	cu.m
Soil initial vol:	0.0	cu.m	Soil initial vol:	0.0	cu.m
			Ponding	0	m

Actual footprint — SF — 15%

10.925

7.37 m2 of roof/m2 of trench

Summary	Lawns	Rain Garden	Total
Total evaporation		0.0	0.0
Total exfiltration		0.0	2.1
Total drainflow		0.0	0.0
Total runoff		0.0	0.0
Total Reused			
Sum	0.0	2.1	2.1
Total rainfall	0.0	2.1	2.1
% Treated		100%	100%
% untreated		0%	0%
% Captured		100%	100%
EIA		0%	0%

* Lawn Runoff goes to Rock Trench

		Lawns										Rock Trench - Multi block roof area to trench											
		All in cubic metres										All in cubic metres											
		Rain Water onto pervious	Unsaturated Runoff	Rain into Soil	beginning Soil Water Volume	Water from Soil to GW	Water that does not exfiltrate	Water that Stays in Soil	beginning water that runsoff	Total Runoff	Evaporation	Rain Water into Swale	Rain Water Directly to trench	Rain into Ponding	Beginning Ponding Vol	out ponding	Unsaturated Runoff	Rain into Soil	Beginning Soil Water Volume	Water from Soil to Trench	Water that Stays in Soil	Beginning Trench Water Volume	Trench Exfiltration	Underdrain Drainflow	Evaporation
30/06/1964 23:55	Precip (mm)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/07/1964 00:00	0.147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/07/1964 00:05	0.154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
01/07/1964 00:10	0.163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
01/07/1964 00:15	0.172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
01/07/1964 00:20	0.183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
01/07/1964 00:25	0.196	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
01/07/1964 00:30	0.210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
01/07/1964 00:35	0.228	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
01/07/1964 00:40	0.248	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
01/07/1964 00:45	0.274	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
01/07/1964 00:50	0.306	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
01/07/1964 00:55	0.347	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
01/07/1964 01:00	0.403	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
01/07/1964 01:05	0.482	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
01/07/1964 01:10	0.603	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
01/07/1964 01:15	0.812	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
01/07/1964 01:20	1.254	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
01/07/1964 01:25	2.722	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00
01/07/1964 01:30	7.493	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00
01/07/1964 01:35	3.144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00
01/07/1964 01:40	1.684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00
01/07/1964 01:45	1.137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00
01/07/1964 01:50	0.857	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00
01/07/1964 01:55	0.689	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00
01/07/1964 02:00	0.577	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00
01/07/1964 02:05	0.497	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
01/07/1964 02:10	0.438	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
01/07/1964 02:15	0.392	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00
01/07/1964 02:20	0.355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00
01/07/1964 02:25	0.325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00
01/07/1964 02:30	0.300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00
01/07/1964 02:35	0.279	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00
01/07/1964 02:40	0.260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00
01/07/1964 02:45	0.245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00
01/07/1964 02:50	0.231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00
01/07/1964 02:55	0.219	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.00	0.00	0.00
01/07/1964 03:00	0.208	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00
01/07/1964 03:05	0.198	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00
01/07/1964 03:10	0.189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00
01/07/1964 03:15	0.181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.00	0.00
01/07/1964 03:20	0.174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00	0.00
01/07/1964 03:25	0.167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00
01/07/1964 03:30	0.161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00
01/07/1964 03:35	0.156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00
01/07/1964 03:40	0.150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00
01/07/1964 03:45	0.145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00
01/07/1964 03:50	0.141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.00	0.00	0.00
01/07/1964 03:55	0.137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.00	0.00	0.00
01/07/1964 04:00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00
01/07/1964 04:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00
01/07/1964 04:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.00	0.00	0.00
01/07/1964 04:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.00	0.00	0.00
01/07/1964 04:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.00	0.00	0.00
01/07/1964 04:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00
01/07/1964 04:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00
01/07/1964 04:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00
01/07/1964 04:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00
01/07/1964 04:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00
01/07/1964 04:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00
01/07/1964 04:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00
01/07/1964 05:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00
01/07/1964 05:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00
01/07/1964 05:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00
01/07/1964 05:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00
01/07/1964 05:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00
01/07/1964 05:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00
01/07/1964 05:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00	0.00
01/07/1964 05:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00	0.00
01/07/1964 05:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00	0.00
01/07/1964 05:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.00	0.00
01/07/1964 05:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.00	0.00
01/07/1964 05:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.00	0.00
01/07/1964 06:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00
01/07/1964 06:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00
01/07/1964 06:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00
01/07/1964 06:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00
01/07/1964 06:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00
01/07/1964 06:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00
01/07/1964 06:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00
01/07/1964 06:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00
01/07/1964 06:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00
01/07/1964 06:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00
01/07/1964 06:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.00	0.00	0.00
01/07/1964 06:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.00	0.00	0.00
01/07/1964 07:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.00	0.00	0.00
01/07/1964 07:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00

01/07/1964 07:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00
01/07/1964 07:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00
01/07/1964 07:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00
01/07/1964 07:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00
01/07/1964 07:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00
01/07/1964 07:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00
01/07/1964 07:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00
01/07/1964 07:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00
01/07/1964 07:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00
01/07/1964 07:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00
01/07/1964 08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00
01/07/1964 08:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00
01/07/1964 08:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00
01/07/1964 08:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00
01/07/1964 08:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00
01/07/1964 08:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00
01/07/1964 08:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00
01/07/1964 08:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00
01/07/1964 08:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00
01/07/1964 08:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00
01/07/1964 08:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00
01/07/1964 08:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00
01/07/1964 09:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00
01/07/1964 09:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00
01/07/1964 09:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00
01/07/1964 09:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00
01/07/1964 09:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00
01/07/1964 09:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00
01/07/1964 09:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00
01/07/1964 09:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00
01/07/1964 09:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00
01/07/1964 09:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00
01/07/1964 09:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00
01/07/1964 09:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00
01/07/1964 10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00
01/07/1964 10:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00
01/07/1964 10:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00
01/07/1964 10:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.00	0.00	0.00
01/07/1964 10:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.00	0.00	0.00
01/07/1964 10:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.00	0.00	0.00
01/07/1964 10:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00
01/07/1964 10:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00
01/07/1964 10:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00
01/07/1964 10:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00
01/07/1964 10:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00
01/07/1964 10:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00
01/07/1964 11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00	0.00
01/07/1964 11:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00	0.00
01/07/1964 11:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00	0.00
01/07/1964 11:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
01/07/1964 11:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
01/07/1964 11:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
01/07/1964 11:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
01/07/1964 11:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.00	0.00	0.00
01/07/1964 11:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.00	0.00	0.00
01/07/1964 11:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.00	0.00	0.00
01/07/1964 11:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00
01/07/1964 11:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00
01/07/1964 12:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00
01/07/1964 12:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00
01/07/1964 12:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00
01/07/1964 12:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00
01/07/1964 12:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
01/07/1964 12:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
01/07/1964 12:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
01/07/1964 12:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00	0.00
01/07/1964 12:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00	0.00
01/07/1964 12:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00	0.00
01/07/1964 12:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
01/07/1964 12:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
01/07/1964 13:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
01/07/1964 13:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00
01/07/1964 13:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00
01/07/1964 13:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00
01/07/1964 13:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00
01/07/1964 13:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.00	0.00	0.00
01/07/1964 13:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.00	0.00	0.00
01/07/1964 13:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.00	0.00	0.00
01/07/1964 13:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00
01/07/1964 13:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00
01/07/1964 13:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00
01/07/1964 13:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.00
01/07/1964 14:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.00
01/07/1964 14:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.00
01/07/1964 14:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
01/07/1964 14:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
01/07/1964 14:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
01/07/1964 14:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00
01/07/1964 14:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00
01/07/1964 14:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00
01/07/1964 14:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00
01/07/1964 14:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00
01/07/1964 14:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00
01/07/1964 14:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00
01/07/1964 15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.00	0.00	0.00
01/07/1964 15:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.00	0.00	0.00
01/07/1964 15:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.00	0.00	0.00
01/07/1964 15:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00
01/07/1964 15:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00
01/07/1964 15:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00
01/07/1964 15:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00
01/07/1964 15:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00
01/07/1964 15:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00
01/07/1964 15:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00
01/07/1964 15:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00
01/07/1964 15:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00
01/07/1964 16:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00
01/07/1964 16:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00
01/07/1964 16:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00
01/07/1964 16:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00
01/07/1964 16:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00
01/07/1964 16:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00
01/07/1964 16:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00
01/07/1964 16:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00

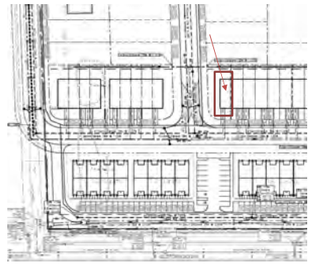
01/07/1964 16:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00
01/07/1964 16:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00
01/07/1964 16:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.00	0.00	0.00
01/07/1964 16:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.00	0.00	0.00
01/07/1964 17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.00	0.00	0.00
01/07/1964 17:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00
01/07/1964 17:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00
01/07/1964 17:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00
01/07/1964 17:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	0.00
01/07/1964 17:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	0.00
01/07/1964 17:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	0.00
01/07/1964 17:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00
01/07/1964 17:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00
01/07/1964 17:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00
01/07/1964 17:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00
01/07/1964 17:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00
01/07/1964 18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00
01/07/1964 18:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00
01/07/1964 18:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00
01/07/1964 18:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00
01/07/1964 18:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00
01/07/1964 18:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00
01/07/1964 18:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00
01/07/1964 18:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00
01/07/1964 18:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00
01/07/1964 18:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00
01/07/1964 18:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00
01/07/1964 18:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.00	0.00	0.00
01/07/1964 19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.00	0.00	0.00
01/07/1964 19:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.00	0.00	0.00
01/07/1964 19:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.00	0.00	0.00
01/07/1964 19:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.00	0.00	0.00
01/07/1964 19:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.00	0.00	0.00
01/07/1964 19:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.00	0.00	0.00
01/07/1964 19:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.00	0.00	0.00
01/07/1964 19:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.00	0.00	0.00
01/07/1964 19:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	0.00
01/07/1964 19:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	0.00
01/07/1964 19:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	0.00
01/07/1964 19:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	0.00
01/07/1964 20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00
01/07/1964 20:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00
01/07/1964 20:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00
01/07/1964 20:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.00
01/07/1964 20:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.00
01/07/1964 20:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.00
01/07/1964 20:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00
01/07/1964 20:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00
01/07/1964 20:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00
01/07/1964 20:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00
01/07/1964 20:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00
01/07/1964 20:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00
01/07/1964 21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00
01/07/1964 21:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00
01/07/1964 21:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00
01/07/1964 21:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00
01/07/1964 21:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00
01/07/1964 21:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00
01/07/1964 21:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00
01/07/1964 21:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00
01/07/1964 21:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00
01/07/1964 21:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00
01/07/1964 21:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00
01/07/1964 21:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00
01/07/1964 22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00
01/07/1964 22:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.00
01/07/1964 22:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.00
01/07/1964 22:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.00
01/07/1964 22:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00
01/07/1964 22:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00
01/07/1964 22:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00
01/07/1964 22:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00
01/07/1964 22:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00
01/07/1964 22:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00
01/07/1964 22:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00
01/07/1964 22:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00
01/07/1964 23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00
01/07/1964 23:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00
01/07/1964 23:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00
01/07/1964 23:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00
01/07/1964 23:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00
01/07/1964 23:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00
01/07/1964 23:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00
01/07/1964 23:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00
01/07/1964 23:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00
01/07/1964 23:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00
01/07/1964 23:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00
01/07/1964 23:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00
02/07/1964 00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00
02/07/1964 00:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00
02/07/1964 00:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00
02/07/1964 00:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00
02/07/1964 00:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00
02/07/1964 00:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00
02/07/1964 00:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00
02/07/1964 00:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00
02/07/1964 00:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00
02/07/1964 00:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00
02/07/1964 00:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00
02/07/1964 00:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00
02/07/1964 01:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00
02/07/1964 01:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00
02/07/1964 01:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00
02/07/1964 01:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00
02/07/1964 01:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00
02/07/1964 01:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00
02/07/1964 01:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00
02/07/1964 01:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00
02/07/1964 01:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00
02/07/1964 01:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00
02/07/1964 01:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00
02/07/1964 01:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00
02/07/1964 02:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00
02/07/1964 02:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00

02/07/1964 02:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00
02/07/1964 02:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00
02/07/1964 02:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00
02/07/1964 02:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00
02/07/1964 02:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00
02/07/1964 02:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00
02/07/1964 02:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00
02/07/1964 02:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00
02/07/1964 02:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00
02/07/1964 02:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00
02/07/1964 03:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00
02/07/1964 03:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00
02/07/1964 03:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00
02/07/1964 03:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00
02/07/1964 03:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00
02/07/1964 03:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00
02/07/1964 03:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00
02/07/1964 03:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00
02/07/1964 03:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00
02/07/1964 03:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00
02/07/1964 03:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00
02/07/1964 03:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00
02/07/1964 04:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00
02/07/1964 04:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00
02/07/1964 04:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00
02/07/1964 04:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00
02/07/1964 04:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00
02/07/1964 04:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00
02/07/1964 04:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00
02/07/1964 04:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00
02/07/1964 04:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00
02/07/1964 04:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00
02/07/1964 04:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00
02/07/1964 04:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
02/07/1964 05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
02/07/1964 05:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
02/07/1964 05:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00
02/07/1964 05:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00
02/07/1964 05:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00
02/07/1964 05:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00
02/07/1964 05:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00
02/07/1964 05:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00
02/07/1964 05:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00
02/07/1964 05:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00
02/07/1964 05:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00
02/07/1964 05:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00
02/07/1964 06:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00
02/07/1964 06:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00
02/07/1964 06:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00
02/07/1964 06:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00
02/07/1964 06:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00
02/07/1964 06:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00
02/07/1964 06:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00
02/07/1964 06:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00
02/07/1964 06:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00
02/07/1964 06:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00
02/07/1964 06:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00
02/07/1964 06:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00
02/07/1964 07:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00
02/07/1964 07:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00
02/07/1964 07:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00
02/07/1964 07:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00
02/07/1964 07:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00
02/07/1964 07:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00
02/07/1964 07:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00
02/07/1964 07:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00
02/07/1964 07:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00
02/07/1964 07:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00
02/07/1964 07:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00
02/07/1964 07:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00
02/07/1964 08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00
02/07/1964 08:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00
02/07/1964 08:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00
02/07/1964 08:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00
02/07/1964 08:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00
02/07/1964 08:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00
02/07/1964 08:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00
02/07/1964 08:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00
02/07/1964 08:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00
02/07/1964 08:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00
02/07/1964 08:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00
02/07/1964 08:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00
02/07/1964 09:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00
02/07/1964 09:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00
02/07/1964 09:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00
02/07/1964 09:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00
02/07/1964 09:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00
02/07/1964 09:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00
02/07/1964 09:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00
02/07/1964 09:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00
02/07/1964 09:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
02/07/1964 09:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
02/07/1964 09:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
02/07/1964 09:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00
02/07/1964 10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00
02/07/1964 10:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00
02/07/1964 10:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00
02/07/1964 10:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00
02/07/1964 10:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00
02/07/1964 10:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00
02/07/1964 10:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00
02/07/1964 10:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00
02/07/1964 10:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00
02/07/1964 10:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00
02/07/1964 10:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00
02/07/1964 10:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00
02/07/1964 11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00
02/07/1964 11:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00
02/07/1964 11:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00
02/07/1964 11:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00
02/07/1964 11:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00
02/07/1964 11:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00
02/07/1964 11:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00
02/07/1964 11:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00

02/07/1964 11:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00
02/07/1964 11:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00
02/07/1964 11:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00
02/07/1964 11:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00
02/07/1964 12:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00
02/07/1964 12:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00
02/07/1964 12:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00
02/07/1964 12:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00
02/07/1964 12:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00
02/07/1964 12:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00
02/07/1964 12:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00
02/07/1964 12:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00
02/07/1964 12:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00
02/07/1964 12:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00
02/07/1964 12:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00
02/07/1964 12:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00
02/07/1964 13:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00
02/07/1964 13:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00
02/07/1964 13:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00
02/07/1964 13:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00
02/07/1964 13:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00
02/07/1964 13:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00
02/07/1964 13:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00
02/07/1964 13:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00
02/07/1964 13:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00
02/07/1964 13:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00
02/07/1964 13:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00
02/07/1964 13:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00
02/07/1964 14:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00
02/07/1964 14:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
02/07/1964 14:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
02/07/1964 14:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
02/07/1964 14:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
02/07/1964 14:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00
02/07/1964 14:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00
02/07/1964 14:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00
02/07/1964 14:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00
02/07/1964 14:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00
02/07/1964 14:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00
02/07/1964 14:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00
02/07/1964 15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00
02/07/1964 15:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00
02/07/1964 15:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00
02/07/1964 15:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00
02/07/1964 15:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00
02/07/1964 15:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00
02/07/1964 15:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00
02/07/1964 15:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00
02/07/1964 15:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00
02/07/1964 15:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00
02/07/1964 15:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00
02/07/1964 15:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00
02/07/1964 16:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00
02/07/1964 16:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00
02/07/1964 16:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00
02/07/1964 16:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00
02/07/1964 16:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00
02/07/1964 16:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00
02/07/1964 16:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00
02/07/1964 16:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00
02/07/1964 16:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00
02/07/1964 16:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00
02/07/1964 16:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00
02/07/1964 16:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00
02/07/1964 17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00
02/07/1964 17:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00
02/07/1964 17:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00
02/07/1964 17:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
02/07/1964 17:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
02/07/1964 17:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
02/07/1964 17:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
02/07/1964 17:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00
02/07/1964 17:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00
02/07/1964 17:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00
02/07/1964 17:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00
02/07/1964 17:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00
02/07/1964 18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00
02/07/1964 18:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00
02/07/1964 18:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00
02/07/1964 18:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00
02/07/1964 18:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00
02/07/1964 18:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00
02/07/1964 18:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00
02/07/1964 18:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00
02/07/1964 18:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00
02/07/1964 18:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00
02/07/1964 18:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
02/07/1964 18:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
02/07/1964 19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
02/07/1964 19:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
02/07/1964 19:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
02/07/1964 19:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
02/07/1964 19:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
02/07/1964 19:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
02/07/1964 19:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
02/07/1964 19:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
02/07/1964 19:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00
02/07/1964 19:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00
02/07/1964 19:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00
02/07/1964 19:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00
02/07/1964 20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00
02/07/1964 20:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00
02/07/1964 20:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00
02/07/1964 20:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00
02/07/1964 20:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00
02/07/1964 20:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
02/07/1964 20:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
02/07/1964 20:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
02/07/1964 20:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
02/07/1964 20:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
02/07/1964 20:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
02/07/1964 20:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
02/07/1964 21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00
02/07/1964 21:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00

02/07/1964 21:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00
02/07/1964 21:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00
02/07/1964 21:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00
02/07/1964 21:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00
02/07/1964 21:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
02/07/1964 21:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
02/07/1964 21:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
02/07/1964 21:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00
02/07/1964 21:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00
02/07/1964 21:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00
02/07/1964 22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
02/07/1964 22:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
02/07/1964 22:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
02/07/1964 22:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00
02/07/1964 22:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00
02/07/1964 22:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00
02/07/1964 22:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00
02/07/1964 22:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00
02/07/1964 22:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00
02/07/1964 22:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00
02/07/1964 22:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
02/07/1964 22:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
02/07/1964 23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
02/07/1964 23:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
02/07/1964 23:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
02/07/1964 23:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
02/07/1964 23:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
02/07/1964 23:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
02/07/1964 23:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
02/07/1964 23:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
02/07/1964 23:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
02/07/1964 23:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
02/07/1964 23:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00
02/07/1964 23:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00
03/07/1964 00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00
03/07/1964 00:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
03/07/1964 00:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
03/07/1964 00:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
03/07/1964 00:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
03/07/1964 00:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
03/07/1964 00:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
03/07/1964 00:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
03/07/1964 00:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
03/07/1964 00:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
03/07/1964 00:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
03/07/1964 00:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
03/07/1964 01:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
03/07/1964 01:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
03/07/1964 01:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
03/07/1964 01:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
03/07/1964 01:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
03/07/1964 01:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
03/07/1964 01:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
03/07/1964 01:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
03/07/1964 01:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
03/07/1964 01:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
03/07/1964 01:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
03/07/1964 01:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
03/07/1964 02:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
03/07/1964 02:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
03/07/1964 02:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
03/07/1964 02:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
03/07/1964 02:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
03/07/1964 02:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
03/07/1964 02:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
03/07/1964 02:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
03/07/1964 02:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
03/07/1964 02:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
03/07/1964 02:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
03/07/1964 02:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
03/07/1964 03:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
03/07/1964 03:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
03/07/1964 03:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
03/07/1964 03:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
03/07/1964 03:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
03/07/1964 03:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
03/07/1964 03:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
03/07/1964 03:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
03/07/1964 03:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
03/07/1964 03:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
03/07/1964 03:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
03/07/1964 03:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
03/07/1964 04:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
03/07/1964 04:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
03/07/1964 04:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
03/07/1964 04:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
03/07/1964 04:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
03/07/1964 04:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
03/07/1964 04:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
03/07/1964 04:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
03/07/1964 04:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
03/07/1964 04:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
03/07/1964 04:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
03/07/1964 04:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
03/07/1964 05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
03/07/1964 05:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
03/07/1964 05:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
03/07/1964 05:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
03/07/1964 05:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
03/07/1964 05:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
03/07/1964 05:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
03/07/1964 05:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
03/07/1964 05:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
03/07/1964 05:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
03/07/1964 05:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
03/07/1964 05:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
03/07/1964 06:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
03/07/1964 06:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
03/07/1964 06:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
03/07/1964 06:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
03/07/1964 06:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
03/07/1964 06:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
03/07/1964 06:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
03/07/1964 06:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00

03/07/1964 06:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
03/07/1964 06:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
03/07/1964 06:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00



Lawn			Rock Trench		
Impervious Area	0	sq.m	Impervious Area	0	sq.m
Lawn Area	0	sq.m	Lawn over RT	0	sq.m
			Directly to Trench	90	sq.m
Total area:	0	sq.m	Total area:	90	sq.m
			Trench surf. area:	12	sq.m
			Trench depth:	0.6	m
			Trench porosity:	0.35	
			Trench full:	2.52	cu.m
			Trench initial vol:	0	cu.m
Subsoil exfil. rate:	4	mm/hr	Subsoil exfil. rate:	4	mm/hr
Soil depth:	150	mm	Soil depth:	0	mm
Soil porosity:	0.35		Soil porosity:	0.35	
Soil field cap:	0.15		Soil field cap:	0.15	
Soil wilt point:	0.1		Soil wilt point:	0.1	
Soil infil. rate	3.5	mm/hr	Soil infil. rate	3.5	mm/hr
Soil wilt point vol:	0.0	cu.m	Soil wilt point vol:	0.0	cu.m
Soil porosity vol:	0.0	cu.m	Soil porosity vol:	0.0	cu.m
Soil field cap vol:	0.0	cu.m	Soil field cap vol:	0.0	cu.m
Soil initial vol:	0.0	cu.m	Soil initial vol:	0.0	cu.m
			Ponding	0	m

Actual required footprint SF 15%
13.8
7.50 m2 of roof/m2 of trench

Summary	Lawns	Rock Trench	Total
Total evaporation	0.0	0.0	0.0
Total exfiltration	0.0	2.7	2.7
Total drainflow	0.0	0.0	0.0
Total runoff	0.0	0.0	0.0
Total Reused			
Sum	0.0	2.7	2.7
Total rainfall	0.0	2.7	2.7
% Treated		100%	100%
% untreated		0%	0%
% Captured		100%	100%
EIA		0%	0%

* Lawn Runoff goes to Rock Trench

		Lawns										Rock Trench - Multi block roof area to trench													
		All in cubic metres										All in cubic metres													
		Rain Water onto pervious	Unsaturated Runoff	Rain into Soil	beginning Soil Water Volume	Water from Soil to GW	Water that does not exfiltrate	Water that Stays in Soil	beginning water that runsoff	Total Runoff	Evaporation	Rain Water into Swale	Rain Water Directly to trench	Rain into Ponding	Beginning Ponding Vol	out ponding	Unsaturated Runoff	Rain into Soil	Beginning Soil Water Volume	Water from Soil to Trench	Water that Stays in Soil	Beginning Trench Water Volume	Trench Exfiltration	Underdrain Drainflow	Evaporation
30/06/1964 23:55	Precip (mm)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00						0.00						
01/07/1964 00:00	0.147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/07/1964 00:05	0.154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
01/07/1964 00:10	0.163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
01/07/1964 00:15	0.172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
01/07/1964 00:20	0.183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
01/07/1964 00:25	0.196	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
01/07/1964 00:30	0.210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
01/07/1964 00:35	0.228	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
01/07/1964 00:40	0.248	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
01/07/1964 00:45	0.274	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
01/07/1964 00:50	0.306	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
01/07/1964 00:55	0.347	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
01/07/1964 01:00	0.403	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
01/07/1964 01:05	0.482	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
01/07/1964 01:10	0.603	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
01/07/1964 01:15	0.812	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
01/07/1964 01:20	1.254	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00
01/07/1964 01:25	2.722	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00
01/07/1964 01:30	7.493	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00
01/07/1964 01:35	3.144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00
01/07/1964 01:40	1.684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00	0.00
01/07/1964 01:45	1.137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00
01/07/1964 01:50	0.857	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00
01/07/1964 01:55	0.689	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
01/07/1964 02:00	0.577	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.00	0.00	0.00
01/07/1964 02:05	0.497	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.00	0.00	0.00
01/07/1964 02:10	0.438	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.00	0.00	0.00
01/07/1964 02:15	0.392	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.00	0.00	0.00
01/07/1964 02:20	0.355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.00	0.00	0.00
01/07/1964 02:25	0.325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.00	0.00	0.00
01/07/1964 02:30	0.300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	0.00	0.00
01/07/1964 02:35	0.279	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.29	0.00	0.00	0.00
01/07/1964 02:40	0.260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.00	0.00	0.00
01/07/1964 02:45	0.245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.00
01/07/1964 02:50	0.231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.00
01/07/1964 02:55	0.219	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.36	0.00	0.00	0.00
01/07/1964 03:00	0.208	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00	0.00	0.00
01/07/1964 03:05	0.198	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	0.00	0.00	0.00
01/07/1964 03:10	0.189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.00	0.00	0.00
01/07/1964 03:15	0.181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	0.00	0.00	0.00
01/07/1964 03:20	0.174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00
01/07/1964 03:25	0.167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	0.00	0.00	0.00
01/07/1964 03:30	0.161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.00	0.00	0.00
01/07/1964 03:35	0.156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00
01/07/1964 03:40	0.150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	0.00	0.00	0.00
01/07/1964 03:45	0.145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	0.00	0.00	0.00
01/07/1964 03:50	0.141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	0.00	0.00	0.00
01/07/1964 03:55	0.137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
01/07/1964 04:00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00
01/07/1964 04:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00
01/07/1964 04:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
01/07/1964 04:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00
01/07/1964 04:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	0.00	0.00	0.00
01/07/1964 04:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	0.00	0.00	0.00
01/07/1964 04:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	0.00	0.00	0.00
01/07/1964 04:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	0.00	0.00	0.00
01/07/1964 04:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	0.00	0.00	0.00
01/07/1964 04:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00
01/07/1964 04:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00
01/07/1964 04:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00
01/07/1964 05:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	0.00	0.00	0.00
01/07/1964 05:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	0.00	0.00	0.00
01/07/1964 05:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.00	0.00	0.00
01/07/1964 05:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.00	0.00	0.00
01/07/1964 05:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.00	0.00	0.00
01/07/1964 05:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	0.00	0.00	0.00
01/07/1964 05:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	0.00	0.00	0.00
01/07/1964 05:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00
01/07/1964 05:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00
01/07/1964 05:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00
01/07/1964 05:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	0.00	0.00	0.00
01/07/1964 05:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	0.00	0.00	0.00
01/07/1964 06:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.00	0.00	0.00
01/07/1964 06:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.00	0.00	0.00
01/07/1964 06:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.00	0.00	0.00
01/07/1964 06:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.00	0.00	0.00
01/07/1964 06:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.00	0.00	0.00
01/07/1964 06:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	0.00	0.00	0.00
01/07/1964 06:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	0.00	0.00	0.00
01/07/1964 06:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	0.00	0.00	0.00
01/07/1964 06:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00	0.00	0.00
01/07/1964 06:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00	0.00	0.00
01/07/1964 06:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.00	0.00	0.00
01/07/1964 06:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.00	0.00	0.00
01/07/1964 07:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.00	0.00	0.00
01/07/1964 07:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.36	0.00	0.00	0.00

01/07/1964 07:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.36	0.00	0.00	0.00
01/07/1964 07:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.00
01/07/1964 07:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.00
01/07/1964 07:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.00
01/07/1964 07:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.34	0.00	0.00	0.00
01/07/1964 07:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.34	0.00	0.00	0.00
01/07/1964 07:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.00
01/07/1964 07:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.00
01/07/1964 07:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.00
01/07/1964 07:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	0.00	0.00	0.00
01/07/1964 08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	0.00	0.00	0.00
01/07/1964 08:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.00	0.00	0.00
01/07/1964 08:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.00	0.00	0.00
01/07/1964 08:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.00	0.00	0.00
01/07/1964 08:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.00	0.00	0.00
01/07/1964 08:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.00	0.00	0.00
01/07/1964 08:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.29	0.00	0.00	0.00
01/07/1964 08:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.29	0.00	0.00	0.00
01/07/1964 08:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.29	0.00	0.00	0.00
01/07/1964 08:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	0.00	0.00	0.00
01/07/1964 08:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	0.00	0.00	0.00
01/07/1964 08:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.27	0.00	0.00	0.00
01/07/1964 09:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.27	0.00	0.00	0.00
01/07/1964 09:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.27	0.00	0.00	0.00
01/07/1964 09:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	0.00	0.00
01/07/1964 09:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	0.00	0.00
01/07/1964 09:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00
01/07/1964 09:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00
01/07/1964 09:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00
01/07/1964 09:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.00	0.00	0.00
01/07/1964 09:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.00	0.00	0.00
01/07/1964 09:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.00	0.00	0.00
01/07/1964 09:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.00	0.00	0.00
01/07/1964 09:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.00	0.00	0.00
01/07/1964 10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	0.00	0.00	0.00
01/07/1964 10:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	0.00	0.00	0.00
01/07/1964 10:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.00	0.00	0.00
01/07/1964 10:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.00	0.00	0.00
01/07/1964 10:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.00	0.00	0.00
01/07/1964 10:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.00
01/07/1964 10:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.00
01/07/1964 10:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	0.00	0.00	0.00
01/07/1964 10:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	0.00	0.00	0.00
01/07/1964 10:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	0.00	0.00	0.00
01/07/1964 10:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.00	0.00	0.00
01/07/1964 10:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.00	0.00	0.00
01/07/1964 11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	0.00
01/07/1964 11:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	0.00
01/07/1964 11:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	0.00
01/07/1964 11:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.00	0.00
01/07/1964 11:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.00	0.00
01/07/1964 11:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.00	0.00	0.00
01/07/1964 11:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.00	0.00	0.00
01/07/1964 11:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.00	0.00	0.00
01/07/1964 11:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.00	0.00	0.00
01/07/1964 11:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.00	0.00	0.00
01/07/1964 11:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	0.00	0.00	0.00
01/07/1964 11:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	0.00	0.00	0.00
01/07/1964 12:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	0.00	0.00	0.00
01/07/1964 12:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12	0.00	0.00	0.00
01/07/1964 12:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12	0.00	0.00	0.00
01/07/1964 12:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.00	0.00	0.00
01/07/1964 12:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.00	0.00	0.00
01/07/1964 12:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.00	0.00	0.00
01/07/1964 12:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.00	0.00	0.00
01/07/1964 12:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.00	0.00	0.00
01/07/1964 12:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	0.00	0.00	0.00
01/07/1964 12:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	0.00	0.00	0.00
01/07/1964 12:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	0.00	0.00	0.00
01/07/1964 12:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.00	0.00	0.00
01/07/1964 13:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.00	0.00	0.00
01/07/1964 13:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.00	0.00	0.00
01/07/1964 13:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.00	0.00	0.00
01/07/1964 13:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.00	0.00	0.00
01/07/1964 13:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.00	0.00	0.00
01/07/1964 13:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.00	0.00	0.00
01/07/1964 13:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.00	0.00	0.00
01/07/1964 13:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.00	0.00	0.00
01/07/1964 13:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.00	0.00	0.00
01/07/1964 13:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	0.00	0.00	0.00
01/07/1964 13:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	0.00	0.00	0.00
01/07/1964 13:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.00	0.00	0.00
01/07/1964 14:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.00	0.00	0.00
01/07/1964 14:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.00	0.00	0.00
01/07/1964 14:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	0.00	0.00	0.00
01/07/1964 14:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	0.00	0.00	0.00
01/07/1964 14:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00
01/07/1964 14:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00
01/07/1964 14:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00
01/07/1964 14:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
01/07/1964 14:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
01/07/1964 14:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	0.00	0.00	0.00
01/07/1964 14:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	0.00	0.00	0.00
01/07/1964 14:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	0.00	0.00	0.00
01/07/1964 15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	0.00	0.00	0.00
01/07/1964 15:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	0.00	0.00	0.00
01/07/1964 15:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	0.00	0.00	0.00
01/07/1964 15:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	0.00	0.00	0.00
01/07/1964 15:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	0.00	0.00	0.00
01/07/1964 15:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	0.00	0.00	0.00
01/07/1964 15:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	0.00	0.00	0.00
01/07/1964 15:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00
01/07/1964 15:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00
01/07/1964 15:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00
01/07/1964 15:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.00	0.00	0.00
01/07/1964 15:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.00	0.00	0.00
01/07/1964 16:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00
01/07/1964 16:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00
01/07/1964 16:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00
01/07/1964 16:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00
01/07/1964 16:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00
01/07/1964 16:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00
01/07/1964 16:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00
01/07/1964 16:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00

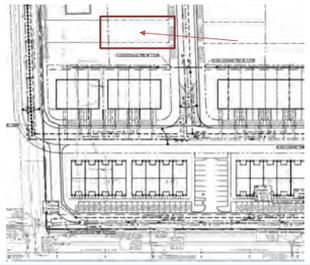
01/07/1964 16:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00
01/07/1964 16:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00
01/07/1964 16:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00	0.00
01/07/1964 16:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00	0.00
01/07/1964 17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00	0.00
01/07/1964 17:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.00	0.00
01/07/1964 17:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.00	0.00
01/07/1964 17:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00
01/07/1964 17:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00
01/07/1964 17:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00
01/07/1964 17:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00
01/07/1964 17:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00
01/07/1964 17:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00
01/07/1964 17:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00
01/07/1964 17:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00
01/07/1964 17:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.00	0.00	0.00
01/07/1964 18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.00	0.00	0.00
01/07/1964 18:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00
01/07/1964 18:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00
01/07/1964 18:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00
01/07/1964 18:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00
01/07/1964 18:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00
01/07/1964 18:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00
01/07/1964 18:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00
01/07/1964 18:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00
01/07/1964 18:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00
01/07/1964 18:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00
01/07/1964 18:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00
01/07/1964 19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00
01/07/1964 19:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00
01/07/1964 19:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00
01/07/1964 19:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00
01/07/1964 19:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00
01/07/1964 19:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00
01/07/1964 19:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00
01/07/1964 19:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00
01/07/1964 19:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00
01/07/1964 19:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00
01/07/1964 19:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00
01/07/1964 19:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00
01/07/1964 20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00
01/07/1964 20:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00
01/07/1964 20:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00
01/07/1964 20:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00
01/07/1964 20:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00
01/07/1964 20:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00
01/07/1964 20:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00
01/07/1964 20:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.00	0.00	0.00
01/07/1964 20:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.00	0.00	0.00
01/07/1964 20:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.00	0.00	0.00
01/07/1964 20:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00
01/07/1964 20:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00
01/07/1964 21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00
01/07/1964 21:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00
01/07/1964 21:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00
01/07/1964 21:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00	0.00
01/07/1964 21:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00	0.00
01/07/1964 21:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
01/07/1964 21:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
01/07/1964 21:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
01/07/1964 21:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.00	0.00	0.00
01/07/1964 21:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.00	0.00	0.00
01/07/1964 21:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00
01/07/1964 21:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00
01/07/1964 22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00
01/07/1964 22:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00
01/07/1964 22:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00
01/07/1964 22:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
01/07/1964 22:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
01/07/1964 22:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
01/07/1964 22:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00	0.00
01/07/1964 22:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00	0.00
01/07/1964 22:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
01/07/1964 22:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
01/07/1964 22:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
01/07/1964 22:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00
01/07/1964 23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00
01/07/1964 23:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.00	0.00	0.00
01/07/1964 23:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.00	0.00	0.00
01/07/1964 23:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.00	0.00	0.00
01/07/1964 23:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00
01/07/1964 23:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00
01/07/1964 23:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.00
01/07/1964 23:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.00
01/07/1964 23:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.00
01/07/1964 23:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
01/07/1964 23:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
01/07/1964 23:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00
02/07/1964 00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00
02/07/1964 00:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00
02/07/1964 00:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00
02/07/1964 00:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	0.00
02/07/1964 00:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.00	0.00	0.00
02/07/1964 00:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.00	0.00	0.00
02/07/1964 00:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.00	0.00	0.00
02/07/1964 00:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00
02/07/1964 00:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00
02/07/1964 00:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00
02/07/1964 00:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00
02/07/1964 00:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00
02/07/1964 01:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00
02/07/1964 01:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00
02/07/1964 01:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00
02/07/1964 01:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00
02/07/1964 01:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00
02/07/1964 01:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00
02/07/1964 01:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00
02/07/1964 01:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00
02/07/1964 01:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00
02/07/1964 01:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00
02/07/1964 01:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.00	0.00	0.00
02/07/1964 01:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.00	0.00	0.00
02/07/1964 02:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00
02/07/1964 02:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00

02/07/1964 02:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00
02/07/1964 02:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	0.00
02/07/1964 02:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	0.00
02/07/1964 02:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00
02/07/1964 02:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00
02/07/1964 02:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00
02/07/1964 02:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00
02/07/1964 02:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00
02/07/1964 02:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00
02/07/1964 02:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00
02/07/1964 03:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00
02/07/1964 03:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00
02/07/1964 03:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00
02/07/1964 03:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00
02/07/1964 03:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00
02/07/1964 03:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00
02/07/1964 03:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.00	0.00	0.00
02/07/1964 03:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.00	0.00	0.00
02/07/1964 03:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.00	0.00	0.00
02/07/1964 03:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.00	0.00	0.00
02/07/1964 03:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.00	0.00	0.00
02/07/1964 03:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.00	0.00	0.00
02/07/1964 04:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.00	0.00	0.00
02/07/1964 04:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	0.00
02/07/1964 04:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	0.00
02/07/1964 04:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	0.00
02/07/1964 04:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00
02/07/1964 04:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00
02/07/1964 04:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.00
02/07/1964 04:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.00
02/07/1964 04:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.00
02/07/1964 04:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00
02/07/1964 04:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00
02/07/1964 04:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00
02/07/1964 05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00
02/07/1964 05:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00
02/07/1964 05:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00
02/07/1964 05:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00
02/07/1964 05:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00
02/07/1964 05:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00
02/07/1964 05:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00
02/07/1964 05:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00
02/07/1964 05:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00
02/07/1964 05:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00
02/07/1964 05:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00
02/07/1964 05:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00
02/07/1964 06:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.00
02/07/1964 06:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.00
02/07/1964 06:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00
02/07/1964 06:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00
02/07/1964 06:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00
02/07/1964 06:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00
02/07/1964 06:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00
02/07/1964 06:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00
02/07/1964 06:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00
02/07/1964 06:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00
02/07/1964 06:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00
02/07/1964 06:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00
02/07/1964 07:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00
02/07/1964 07:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00
02/07/1964 07:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00
02/07/1964 07:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00
02/07/1964 07:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00
02/07/1964 07:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00
02/07/1964 07:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00
02/07/1964 07:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00
02/07/1964 07:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00
02/07/1964 07:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00
02/07/1964 07:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00
02/07/1964 07:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00
02/07/1964 08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00
02/07/1964 08:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00
02/07/1964 08:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00
02/07/1964 08:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00
02/07/1964 08:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00
02/07/1964 08:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00
02/07/1964 08:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00
02/07/1964 08:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00
02/07/1964 08:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00
02/07/1964 08:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00
02/07/1964 08:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00
02/07/1964 08:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00
02/07/1964 09:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00
02/07/1964 09:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00
02/07/1964 09:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00
02/07/1964 09:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00
02/07/1964 09:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00
02/07/1964 09:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00
02/07/1964 09:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00
02/07/1964 09:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00
02/07/1964 09:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00
02/07/1964 09:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00
02/07/1964 09:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00
02/07/1964 09:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00
02/07/1964 10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00
02/07/1964 10:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00
02/07/1964 10:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00
02/07/1964 10:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00
02/07/1964 10:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00
02/07/1964 10:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00
02/07/1964 10:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00
02/07/1964 10:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00
02/07/1964 10:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00
02/07/1964 10:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00
02/07/1964 10:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00
02/07/1964 10:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00
02/07/1964 11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00
02/07/1964 11:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00
02/07/1964 11:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00
02/07/1964 11:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00
02/07/1964 11:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00
02/07/1964 11:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
02/07/1964 11:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
02/07/1964 11:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00

02/07/1964 11:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00
02/07/1964 11:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00
02/07/1964 11:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00
02/07/1964 11:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00
02/07/1964 12:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00
02/07/1964 12:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00
02/07/1964 12:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00
02/07/1964 12:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00
02/07/1964 12:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00
02/07/1964 12:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00
02/07/1964 12:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00
02/07/1964 12:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00
02/07/1964 12:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00
02/07/1964 12:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00
02/07/1964 12:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00
02/07/1964 12:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00
02/07/1964 13:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00
02/07/1964 13:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00
02/07/1964 13:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00
02/07/1964 13:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00
02/07/1964 13:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00
02/07/1964 13:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00
02/07/1964 13:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00
02/07/1964 13:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00
02/07/1964 13:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00
02/07/1964 13:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00
02/07/1964 13:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00
02/07/1964 13:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00
02/07/1964 14:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00
02/07/1964 14:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00
02/07/1964 14:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00
02/07/1964 14:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00
02/07/1964 14:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00
02/07/1964 14:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00
02/07/1964 14:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00
02/07/1964 14:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00
02/07/1964 14:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00
02/07/1964 14:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00
02/07/1964 14:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00
02/07/1964 14:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00
02/07/1964 15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00
02/07/1964 15:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00
02/07/1964 15:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
02/07/1964 15:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
02/07/1964 15:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00
02/07/1964 15:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00
02/07/1964 15:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00
02/07/1964 15:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00
02/07/1964 15:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00
02/07/1964 15:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00
02/07/1964 15:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00
02/07/1964 15:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00
02/07/1964 16:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00
02/07/1964 16:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00
02/07/1964 16:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00
02/07/1964 16:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00
02/07/1964 16:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00
02/07/1964 16:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00
02/07/1964 16:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00
02/07/1964 16:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00
02/07/1964 16:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00
02/07/1964 16:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00
02/07/1964 16:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00
02/07/1964 16:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00
02/07/1964 17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00
02/07/1964 17:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00
02/07/1964 17:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00
02/07/1964 17:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00
02/07/1964 17:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00
02/07/1964 17:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00
02/07/1964 17:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00
02/07/1964 17:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00
02/07/1964 17:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00
02/07/1964 17:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00
02/07/1964 17:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00
02/07/1964 17:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00
02/07/1964 18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00
02/07/1964 18:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00
02/07/1964 18:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00
02/07/1964 18:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00
02/07/1964 18:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00
02/07/1964 18:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00
02/07/1964 18:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00
02/07/1964 18:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00
02/07/1964 18:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
02/07/1964 18:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
02/07/1964 18:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
02/07/1964 18:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00
02/07/1964 19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00
02/07/1964 19:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00
02/07/1964 19:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00
02/07/1964 19:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00
02/07/1964 19:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00
02/07/1964 19:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00
02/07/1964 19:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00
02/07/1964 19:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00
02/07/1964 19:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00
02/07/1964 19:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00
02/07/1964 19:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00
02/07/1964 19:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00
02/07/1964 20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00
02/07/1964 20:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00
02/07/1964 20:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00
02/07/1964 20:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00
02/07/1964 20:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00
02/07/1964 20:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00
02/07/1964 20:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00
02/07/1964 20:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00
02/07/1964 20:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00
02/07/1964 20:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00
02/07/1964 20:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00
02/07/1964 20:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00
02/07/1964 21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00
02/07/1964 21:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00

02/07/1964 21:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
02/07/1964 21:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
02/07/1964 21:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
02/07/1964 21:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00
02/07/1964 21:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00
02/07/1964 21:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00
02/07/1964 21:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00
02/07/1964 21:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00
02/07/1964 21:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00
02/07/1964 21:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00
02/07/1964 22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00
02/07/1964 22:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00
02/07/1964 22:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00
02/07/1964 22:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00
02/07/1964 22:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00
02/07/1964 22:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
02/07/1964 22:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
02/07/1964 22:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
02/07/1964 22:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
02/07/1964 22:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
02/07/1964 22:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
02/07/1964 22:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
02/07/1964 23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
02/07/1964 23:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00
02/07/1964 23:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00
02/07/1964 23:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00
02/07/1964 23:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00
02/07/1964 23:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00
02/07/1964 23:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00
02/07/1964 23:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00
02/07/1964 23:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
02/07/1964 23:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
02/07/1964 23:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
02/07/1964 23:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
03/07/1964 00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
03/07/1964 00:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00
03/07/1964 00:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00
03/07/1964 00:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00
03/07/1964 00:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00
03/07/1964 00:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00
03/07/1964 00:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
03/07/1964 00:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
03/07/1964 00:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
03/07/1964 00:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00
03/07/1964 00:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00
03/07/1964 00:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
03/07/1964 01:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
03/07/1964 01:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
03/07/1964 01:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00
03/07/1964 01:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00
03/07/1964 01:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00
03/07/1964 01:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00
03/07/1964 01:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00
03/07/1964 01:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
03/07/1964 01:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
03/07/1964 01:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
03/07/1964 01:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
03/07/1964 01:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00
03/07/1964 02:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
03/07/1964 02:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
03/07/1964 02:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
03/07/1964 02:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
03/07/1964 02:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
03/07/1964 02:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00
03/07/1964 02:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00
03/07/1964 02:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
03/07/1964 02:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
03/07/1964 02:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00
03/07/1964 02:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
03/07/1964 02:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
03/07/1964 03:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
03/07/1964 03:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
03/07/1964 03:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
03/07/1964 03:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
03/07/1964 03:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00
03/07/1964 03:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
03/07/1964 03:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
03/07/1964 03:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
03/07/1964 03:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
03/07/1964 03:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
03/07/1964 03:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
03/07/1964 03:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
03/07/1964 04:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
03/07/1964 04:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
03/07/1964 04:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
03/07/1964 04:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
03/07/1964 04:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
03/07/1964 04:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
03/07/1964 04:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
03/07/1964 04:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
03/07/1964 04:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
03/07/1964 04:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
03/07/1964 04:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
03/07/1964 04:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
03/07/1964 05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
03/07/1964 05:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
03/07/1964 05:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
03/07/1964 05:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
03/07/1964 05:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
03/07/1964 05:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
03/07/1964 05:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
03/07/1964 05:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
03/07/1964 05:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
03/07/1964 05:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
03/07/1964 05:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
03/07/1964 05:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
03/07/1964 06:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
03/07/1964 06:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
03/07/1964 06:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
03/07/1964 06:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
03/07/1964 06:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
03/07/1964 06:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
03/07/1964 06:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
03/07/1964 06:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00

03/07/1964 06:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
03/07/1964 06:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
03/07/1964 06:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
03/07/1964 06:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
03/07/1964 07:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
03/07/1964 07:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
03/07/1964 07:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
03/07/1964 07:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
03/07/1964 07:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
03/07/1964 07:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
03/07/1964 07:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
03/07/1964 07:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
03/07/1964 07:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
03/07/1964 07:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
03/07/1964 07:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
03/07/1964 07:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
03/07/1964 08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
03/07/1964 08:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
03/07/1964 08:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
03/07/1964 08:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/07/1964 08:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Lawn			Rock Trench		
Impervious Area	0	sq.m	Impervious Area	0	sq.m
Lawn Area	0	sq.m	Lawn over RT	0	sq.m
			Directly to Trench	150	sq.m
Total area:	0	sq.m	Total area:	150	sq.m
			Trench surf. area:	20	sq.m
			Trench depth:	0.6	m
			Trench porosity:	0.35	
			Trench full:	4.2	cu.m
			Trench initial vol:	0	cu.m
Subsoil exfil. rate:	4	mm/hr	Subsoil exfil. rate:	4	mm/hr
Soil depth:	150	mm	Soil depth:	0	mm
Soil porosity:	0.35		Soil porosity:	0.35	
Soil field cap:	0.15		Soil field cap:	0.15	
Soil wilt point:	0.1		Soil wilt point:	0.1	
Soil infil. rate	3.5	mm/hr	Soil infil. rate	3.5	mm/hr
Soil wilt point vol:	0.0	cu.m	Soil wilt point vol:	0.0	cu.m
Soil porosity vol:	0.0	cu.m	Soil porosity vol:	0.0	cu.m
Soil field cap vol:	0.0	cu.m	Soil field cap vol:	0.0	cu.m
Soil initial vol:	0.0	cu.m	Soil initial vol:	0.0	cu.m
			Ponding	0	m

Actual footprint **SF** 15%
23
7.50 **m2 of roof/m2 of trench**

Summary	Lawns	Rock Trench	Total
Total evaporation	0.0	0.0	0.0
Total exfiltration	0.0	4.5	4.5
Total drainflow	0.0	0.0	0.0
Total runoff	0.0	0.0	0.0
Total Reused			
Sum	0.0	4.5	4.5
Total rainfall	0.0	4.5	4.5
% Treated		100%	100%
% untreated		0%	0%
% Captured		100%	100%
EIA		0%	0%

		Lawns — All in cubic metres										**Rock Trench - Multi block roof area to trench** — All in cubic metres												
		Rain Water onto pervious	Unsaturated Runoff	Rain into Soil	beginning Soil Water Volume	Water from Soil to GW	Water that does not exfiltrate	Water that Stays in Soil	beginning water that runsoff	Total Runoff	Evaporation	Rain Water into Swale	Rain Water Directly to trench	Rain into Ponding	Beginning Ponding Vol	out ponding	Unsaturated Runoff	Rain into Soil	Beginning Soil Water Volume	Water from Soil to Trench	Water that Stays in Soil	Beginning Trench Water Volume	Trench Exfiltration	Underdrain Drainflow	Evaporation
30/06/1964 23:55	Precip (mm)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00
01/07/1964 00:00	0.147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:05	0.154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:10	0.163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:15	0.172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:20	0.183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:25	0.196	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:30	0.210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:35	0.228	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:40	0.248	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:45	0.274	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:50	0.306	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 00:55	0.347	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:00	0.403	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:05	0.482	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:10	0.603	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:15	0.812	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:20	1.254	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:25	2.722	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:30	7.493	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:35	3.144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:40	1.684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:45	1.137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:50	0.857	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 01:55	0.689	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:00	0.577	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:05	0.497	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:10	0.438	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:15	0.392	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:20	0.355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:25	0.325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:30	0.300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:35	0.279	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:40	0.260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:45	0.245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:50	0.231	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 02:55	0.219	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:00	0.208	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:05	0.198	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:10	0.189	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:15	0.181	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:20	0.174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:25	0.167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:30	0.161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:35	0.156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:40	0.150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:45	0.145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:50	0.141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 03:55	0.137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 04:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 05:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 06:55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 07:00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
01/07/1964 07:05		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

01/07/1964 07:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.93	0.01	0.00	0.00
01/07/1964 07:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.92	0.01	0.00	0.00
01/07/1964 07:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.92	0.01	0.00	0.00
01/07/1964 07:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.91	0.01	0.00	0.00
01/07/1964 07:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.90	0.01	0.00	0.00
01/07/1964 07:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.90	0.01	0.00	0.00
01/07/1964 07:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.89	0.01	0.00	0.00
01/07/1964 07:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.88	0.01	0.00	0.00
01/07/1964 07:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.88	0.01	0.00	0.00
01/07/1964 07:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.87	0.01	0.00	0.00
01/07/1964 08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.86	0.01	0.00	0.00
01/07/1964 08:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.86	0.01	0.00	0.00
01/07/1964 08:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.85	0.01	0.00	0.00
01/07/1964 08:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.01	0.00	0.00
01/07/1964 08:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.01	0.00	0.00
01/07/1964 08:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.83	0.01	0.00	0.00
01/07/1964 08:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.82	0.01	0.00	0.00
01/07/1964 08:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.82	0.01	0.00	0.00
01/07/1964 08:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.81	0.01	0.00	0.00
01/07/1964 08:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.01	0.00	0.00
01/07/1964 08:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.01	0.00	0.00
01/07/1964 08:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.79	0.01	0.00	0.00
01/07/1964 09:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.78	0.01	0.00	0.00
01/07/1964 09:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.78	0.01	0.00	0.00
01/07/1964 09:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.77	0.01	0.00	0.00
01/07/1964 09:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.76	0.01	0.00	0.00
01/07/1964 09:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.76	0.01	0.00	0.00
01/07/1964 09:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.75	0.01	0.00	0.00
01/07/1964 09:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.74	0.01	0.00	0.00
01/07/1964 09:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.74	0.01	0.00	0.00
01/07/1964 09:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.73	0.01	0.00	0.00
01/07/1964 09:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.72	0.01	0.00	0.00
01/07/1964 09:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.72	0.01	0.00	0.00
01/07/1964 09:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.71	0.01	0.00	0.00
01/07/1964 10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.70	0.01	0.00	0.00
01/07/1964 10:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.70	0.01	0.00	0.00
01/07/1964 10:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.69	0.01	0.00	0.00
01/07/1964 10:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.68	0.01	0.00	0.00
01/07/1964 10:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.68	0.01	0.00	0.00
01/07/1964 10:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.67	0.01	0.00	0.00
01/07/1964 10:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.66	0.01	0.00	0.00
01/07/1964 10:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.66	0.01	0.00	0.00
01/07/1964 10:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.65	0.01	0.00	0.00
01/07/1964 10:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.64	0.01	0.00	0.00
01/07/1964 10:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.64	0.01	0.00	0.00
01/07/1964 10:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63	0.01	0.00	0.00
01/07/1964 11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.62	0.01	0.00	0.00
01/07/1964 11:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.62	0.01	0.00	0.00
01/07/1964 11:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.61	0.01	0.00	0.00
01/07/1964 11:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.60	0.01	0.00	0.00
01/07/1964 11:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.60	0.01	0.00	0.00
01/07/1964 11:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.59	0.01	0.00	0.00
01/07/1964 11:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.58	0.01	0.00	0.00
01/07/1964 11:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.58	0.01	0.00	0.00
01/07/1964 11:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.57	0.01	0.00	0.00
01/07/1964 11:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.56	0.01	0.00	0.00
01/07/1964 11:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.56	0.01	0.00	0.00
01/07/1964 11:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	0.01	0.00	0.00
01/07/1964 12:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.54	0.01	0.00	0.00
01/07/1964 12:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.54	0.01	0.00	0.00
01/07/1964 12:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53	0.01	0.00	0.00
01/07/1964 12:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.01	0.00	0.00
01/07/1964 12:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.01	0.00	0.00
01/07/1964 12:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.51	0.01	0.00	0.00
01/07/1964 12:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50	0.01	0.00	0.00
01/07/1964 12:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50	0.01	0.00	0.00
01/07/1964 12:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49	0.01	0.00	0.00
01/07/1964 12:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48	0.01	0.00	0.00
01/07/1964 12:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48	0.01	0.00	0.00
01/07/1964 12:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47	0.01	0.00	0.00
01/07/1964 13:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	0.01	0.00	0.00
01/07/1964 13:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	0.01	0.00	0.00
01/07/1964 13:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.01	0.00	0.00
01/07/1964 13:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.44	0.01	0.00	0.00
01/07/1964 13:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.44	0.01	0.00	0.00
01/07/1964 13:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.43	0.01	0.00	0.00
01/07/1964 13:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.42	0.01	0.00	0.00
01/07/1964 13:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.42	0.01	0.00	0.00
01/07/1964 13:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.41	0.01	0.00	0.00
01/07/1964 13:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.01	0.00	0.00
01/07/1964 13:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.01	0.00	0.00
01/07/1964 13:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.39	0.01	0.00	0.00
01/07/1964 14:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.38	0.01	0.00	0.00
01/07/1964 14:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.38	0.01	0.00	0.00
01/07/1964 14:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	0.01	0.00	0.00
01/07/1964 14:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.36	0.01	0.00	0.00
01/07/1964 14:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.36	0.01	0.00	0.00
01/07/1964 14:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	0.01	0.00	0.00
01/07/1964 14:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.34	0.01	0.00	0.00
01/07/1964 14:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.34	0.01	0.00	0.00
01/07/1964 14:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.33	0.01	0.00	0.00
01/07/1964 14:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.32	0.01	0.00	0.00
01/07/1964 14:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.32	0.01	0.00	0.00
01/07/1964 14:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	0.01	0.00	0.00
01/07/1964 15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30	0.01	0.00	0.00
01/07/1964 15:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30	0.01	0.00	0.00
01/07/1964 15:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.29	0.01	0.00	0.00
01/07/1964 15:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	0.01	0.00	0.00
01/07/1964 15:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	0.01	0.00	0.00
01/07/1964 15:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	0.01	0.00	0.00
01/07/1964 15:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.26	0.01	0.00	0.00
01/07/1964 15:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.26	0.01	0.00	0.00
01/07/1964 15:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.25	0.01	0.00	0.00
01/07/1964 15:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.24	0.01	0.00	0.00
01/07/1964 15:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.24	0.01	0.00	0.00
01/07/1964 15:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	0.01	0.00	0.00
01/07/1964 16:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22	0.01	0.00	0.00
01/07/1964 16:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22	0.01	0.00	0.00
01/07/1964 16:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.21	0.01	0.00	0.00
01/07/1964 16:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.01	0.00	0.00
01/07/1964 16:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.01	0.00	0.00
01/07/1964 16:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	0.01	0.00	0.00
01/07/1964 16:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.18	0.01	0.00	0.00
01/07/1964 16:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.18	0.01	0.00	0.00

01/07/1964 16:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.17	0.01	0.00	0.00
01/07/1964 16:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16	0.01	0.00	0.00
01/07/1964 16:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16	0.01	0.00	0.00
01/07/1964 16:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.15	0.01	0.00	0.00
01/07/1964 17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.14	0.01	0.00	0.00
01/07/1964 17:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.14	0.01	0.00	0.00
01/07/1964 17:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	0.01	0.00	0.00
01/07/1964 17:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.12	0.01	0.00	0.00
01/07/1964 17:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.12	0.01	0.00	0.00
01/07/1964 17:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.11	0.01	0.00	0.00
01/07/1964 17:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.10	0.01	0.00	0.00
01/07/1964 17:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.10	0.01	0.00	0.00
01/07/1964 17:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.09	0.01	0.00	0.00
01/07/1964 17:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	0.01	0.00	0.00
01/07/1964 17:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	0.01	0.00	0.00
01/07/1964 17:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.07	0.01	0.00	0.00
01/07/1964 18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.06	0.01	0.00	0.00
01/07/1964 18:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.06	0.01	0.00	0.00
01/07/1964 18:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.05	0.01	0.00	0.00
01/07/1964 18:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	0.01	0.00	0.00
01/07/1964 18:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	0.01	0.00	0.00
01/07/1964 18:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	0.01	0.00	0.00
01/07/1964 18:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02	0.01	0.00	0.00
01/07/1964 18:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02	0.01	0.00	0.00
01/07/1964 18:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.01	0.01	0.00	0.00
01/07/1964 18:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.01	0.00	0.00
01/07/1964 18:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.01	0.00	0.00
01/07/1964 18:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.99	0.01	0.00	0.00
01/07/1964 19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	0.01	0.00	0.00
01/07/1964 19:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	0.01	0.00	0.00
01/07/1964 19:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.97	0.01	0.00	0.00
01/07/1964 19:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.96	0.01	0.00	0.00
01/07/1964 19:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.96	0.01	0.00	0.00
01/07/1964 19:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.95	0.01	0.00	0.00
01/07/1964 19:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.01	0.00	0.00
01/07/1964 19:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.01	0.00	0.00
01/07/1964 19:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.93	0.01	0.00	0.00
01/07/1964 19:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.92	0.01	0.00	0.00
01/07/1964 19:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.92	0.01	0.00	0.00
01/07/1964 19:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.91	0.01	0.00	0.00
01/07/1964 20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90	0.01	0.00	0.00
01/07/1964 20:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90	0.01	0.00	0.00
01/07/1964 20:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89	0.01	0.00	0.00
01/07/1964 20:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.88	0.01	0.00	0.00
01/07/1964 20:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.88	0.01	0.00	0.00
01/07/1964 20:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.87	0.01	0.00	0.00
01/07/1964 20:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.86	0.01	0.00	0.00
01/07/1964 20:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.86	0.01	0.00	0.00
01/07/1964 20:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.01	0.00	0.00
01/07/1964 20:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.84	0.01	0.00	0.00
01/07/1964 20:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.84	0.01	0.00	0.00
01/07/1964 20:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	0.01	0.00	0.00
01/07/1964 21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.82	0.01	0.00	0.00
01/07/1964 21:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.82	0.01	0.00	0.00
01/07/1964 21:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.81	0.01	0.00	0.00
01/07/1964 21:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	0.01	0.00	0.00
01/07/1964 21:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	0.01	0.00	0.00
01/07/1964 21:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.79	0.01	0.00	0.00
01/07/1964 21:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.78	0.01	0.00	0.00
01/07/1964 21:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.78	0.01	0.00	0.00
01/07/1964 21:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	0.01	0.00	0.00
01/07/1964 21:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.76	0.01	0.00	0.00
01/07/1964 21:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.76	0.01	0.00	0.00
01/07/1964 21:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.75	0.01	0.00	0.00
01/07/1964 22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	0.01	0.00	0.00
01/07/1964 22:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	0.01	0.00	0.00
01/07/1964 22:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.73	0.01	0.00	0.00
01/07/1964 22:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.72	0.01	0.00	0.00
01/07/1964 22:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.72	0.01	0.00	0.00
01/07/1964 22:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.71	0.01	0.00	0.00
01/07/1964 22:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.01	0.00	0.00
01/07/1964 22:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.01	0.00	0.00
01/07/1964 22:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	0.01	0.00	0.00
01/07/1964 22:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.68	0.01	0.00	0.00
01/07/1964 22:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.68	0.01	0.00	0.00
01/07/1964 22:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	0.01	0.00	0.00
01/07/1964 23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66	0.01	0.00	0.00
01/07/1964 23:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66	0.01	0.00	0.00
01/07/1964 23:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65	0.01	0.00	0.00
01/07/1964 23:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.64	0.01	0.00	0.00
01/07/1964 23:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.64	0.01	0.00	0.00
01/07/1964 23:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	0.01	0.00	0.00
01/07/1964 23:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	0.01	0.00	0.00
01/07/1964 23:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	0.01	0.00	0.00
01/07/1964 23:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.61	0.01	0.00	0.00
01/07/1964 23:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60	0.01	0.00	0.00
01/07/1964 23:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60	0.01	0.00	0.00
01/07/1964 23:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	0.01	0.00	0.00
02/07/1964 00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.58	0.01	0.00	0.00
02/07/1964 00:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.58	0.01	0.00	0.00
02/07/1964 00:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.57	0.01	0.00	0.00
02/07/1964 00:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.56	0.01	0.00	0.00
02/07/1964 00:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.56	0.01	0.00	0.00
02/07/1964 00:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.01	0.00	0.00
02/07/1964 00:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54	0.01	0.00	0.00
02/07/1964 00:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54	0.01	0.00	0.00
02/07/1964 00:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.53	0.01	0.00	0.00
02/07/1964 00:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.52	0.01	0.00	0.00
02/07/1964 00:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.52	0.01	0.00	0.00
02/07/1964 00:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.01	0.00	0.00
02/07/1964 01:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.01	0.00	0.00
02/07/1964 01:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.01	0.00	0.00
02/07/1964 01:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	0.01	0.00	0.00
02/07/1964 01:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	0.01	0.00	0.00
02/07/1964 01:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	0.01	0.00	0.00
02/07/1964 01:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.01	0.00	0.00
02/07/1964 01:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	0.01	0.00	0.00
02/07/1964 01:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	0.01	0.00	0.00
02/07/1964 01:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.01	0.00	0.00
02/07/1964 01:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	0.01	0.00	0.00
02/07/1964 01:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	0.01	0.00	0.00
02/07/1964 01:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.01	0.00	0.00
02/07/1964 02:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	0.01	0.00	0.00
02/07/1964 02:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	0.01	0.00	0.00

02/07/1964 02:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.01	0.00	0.00
02/07/1964 02:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.01	0.00	0.00
02/07/1964 02:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.01	0.00	0.00
02/07/1964 02:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	0.01	0.00	0.00
02/07/1964 02:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.01	0.00	0.00
02/07/1964 02:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.01	0.00	0.00
02/07/1964 02:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.01	0.00	0.00
02/07/1964 02:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.36	0.01	0.00	0.00
02/07/1964 02:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.36	0.01	0.00	0.00
02/07/1964 02:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.01	0.00	0.00
02/07/1964 03:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.34	0.01	0.00	0.00
02/07/1964 03:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.34	0.01	0.00	0.00
02/07/1964 03:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.01	0.00	0.00
02/07/1964 03:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	0.01	0.00	0.00
02/07/1964 03:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32	0.01	0.00	0.00
02/07/1964 03:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.01	0.00	0.00
02/07/1964 03:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.01	0.00	0.00
02/07/1964 03:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.01	0.00	0.00
02/07/1964 03:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.29	0.01	0.00	0.00
02/07/1964 03:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	0.01	0.00	0.00
02/07/1964 03:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	0.01	0.00	0.00
02/07/1964 03:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.27	0.01	0.00	0.00
02/07/1964 04:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.01	0.00	0.00
02/07/1964 04:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.01	0.00	0.00
02/07/1964 04:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.01	0.00	0.00
02/07/1964 04:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.01	0.00	0.00
02/07/1964 04:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.01	0.00	0.00
02/07/1964 04:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.01	0.00	0.00
02/07/1964 04:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	0.01	0.00	0.00
02/07/1964 04:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	0.01	0.00	0.00
02/07/1964 04:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.01	0.00	0.00
02/07/1964 04:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.01	0.00	0.00
02/07/1964 04:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.01	0.00	0.00
02/07/1964 04:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	0.01	0.00	0.00
02/07/1964 05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.01	0.00	0.00
02/07/1964 05:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.01	0.00	0.00
02/07/1964 05:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.01	0.00	0.00
02/07/1964 05:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	0.01	0.00	0.00
02/07/1964 05:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	0.01	0.00	0.00
02/07/1964 05:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.01	0.00	0.00
02/07/1964 05:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.01	0.00	0.00
02/07/1964 05:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.01	0.00	0.00
02/07/1964 05:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	0.01	0.00	0.00
02/07/1964 05:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12	0.01	0.00	0.00
02/07/1964 05:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12	0.01	0.00	0.00
02/07/1964 05:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.01	0.00	0.00
02/07/1964 06:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.01	0.00	0.00
02/07/1964 06:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.01	0.00	0.00
02/07/1964 06:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	0.01	0.00	0.00
02/07/1964 06:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.01	0.00	0.00
02/07/1964 06:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.01	0.00	0.00
02/07/1964 06:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.01	0.00	0.00
02/07/1964 06:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.01	0.00	0.00
02/07/1964 06:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.01	0.00	0.00
02/07/1964 06:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.01	0.00	0.00
02/07/1964 06:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	0.01	0.00	0.00
02/07/1964 06:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	0.01	0.00	0.00
02/07/1964 06:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.01	0.00	0.00
02/07/1964 07:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	0.01	0.00	0.00
02/07/1964 07:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	0.01	0.00	0.00
02/07/1964 07:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	0.01	0.00	0.00
02/07/1964 07:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.01	0.00	0.00
02/07/1964 07:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.01	0.00	0.00
02/07/1964 07:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	0.01	0.00	0.00
02/07/1964 07:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	0.01	0.00	0.00
02/07/1964 07:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	0.01	0.00	0.00
02/07/1964 07:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	0.01	0.00	0.00
02/07/1964 07:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	0.01	0.00	0.00
02/07/1964 07:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	0.01	0.00	0.00
02/07/1964 07:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.01	0.00	0.00
02/07/1964 08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.01	0.00	0.00
02/07/1964 08:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.01	0.00	0.00
02/07/1964 08:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.01	0.00	0.00
02/07/1964 08:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.01	0.00	0.00
02/07/1964 08:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.01	0.00	0.00
02/07/1964 08:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.01	0.00	0.00
02/07/1964 08:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.01	0.00	0.00
02/07/1964 08:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.01	0.00	0.00
02/07/1964 08:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.01	0.00	0.00
02/07/1964 08:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.01	0.00	0.00
02/07/1964 08:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.01	0.00	0.00
02/07/1964 08:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.01	0.00	0.00
02/07/1964 09:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.01	0.00	0.00
02/07/1964 09:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.01	0.00	0.00
02/07/1964 09:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.01	0.00	0.00
02/07/1964 09:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.01	0.00	0.00
02/07/1964 09:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.01	0.00	0.00
02/07/1964 09:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.01	0.00	0.00
02/07/1964 09:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.01	0.00	0.00
02/07/1964 09:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.01	0.00	0.00
02/07/1964 09:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.01	0.00	0.00
02/07/1964 09:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.01	0.00	0.00
02/07/1964 09:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.01	0.00	0.00
02/07/1964 09:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.01	0.00	0.00
02/07/1964 10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.01	0.00	0.00
02/07/1964 10:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.01	0.00	0.00
02/07/1964 10:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.01	0.00	0.00
02/07/1964 10:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.01	0.00	0.00
02/07/1964 10:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.01	0.00	0.00
02/07/1964 10:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.01	0.00	0.00
02/07/1964 10:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.01	0.00	0.00
02/07/1964 10:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.01	0.00	0.00
02/07/1964 10:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.01	0.00	0.00
02/07/1964 10:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.01	0.00	0.00
02/07/1964 10:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.01	0.00	0.00
02/07/1964 10:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.01	0.00	0.00
02/07/1964 11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.01	0.00	0.00
02/07/1964 11:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.01	0.00	0.00
02/07/1964 11:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.01	0.00	0.00
02/07/1964 11:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.01	0.00	0.00
02/07/1964 11:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.01	0.00	0.00
02/07/1964 11:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.01	0.00	0.00
02/07/1964 11:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.01	0.00	0.00
02/07/1964 11:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.01	0.00	0.00

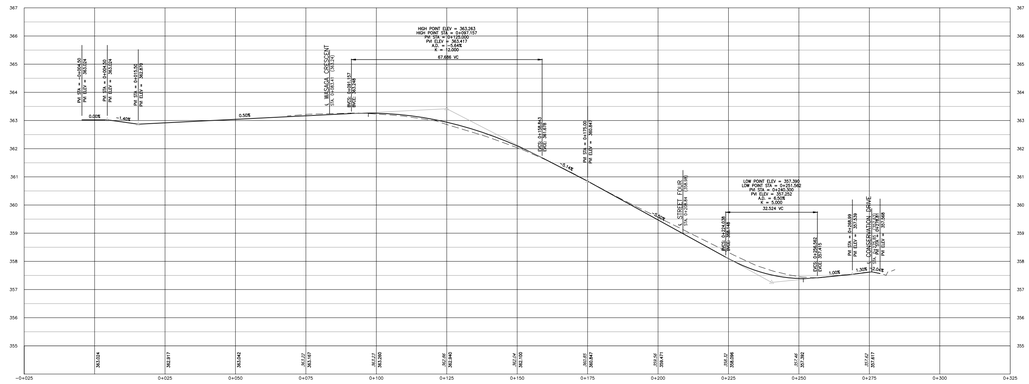
02/07/1964 11:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.01	0.00	0.00
02/07/1964 11:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.01	0.00	0.00
02/07/1964 11:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.01	0.00	0.00
02/07/1964 11:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.01	0.00	0.00
02/07/1964 12:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.01	0.00	0.00
02/07/1964 12:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.01	0.00	0.00
02/07/1964 12:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.01	0.00	0.00
02/07/1964 12:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.01	0.00	0.00
02/07/1964 12:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.01	0.00	0.00
02/07/1964 12:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.01	0.00	0.00
02/07/1964 12:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.01	0.00	0.00
02/07/1964 12:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.01	0.00	0.00
02/07/1964 12:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.01	0.00	0.00
02/07/1964 12:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.01	0.00	0.00
02/07/1964 12:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.01	0.00	0.00
02/07/1964 12:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.01	0.00	0.00
02/07/1964 13:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.01	0.00	0.00
02/07/1964 13:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.01	0.00	0.00
02/07/1964 13:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.01	0.00	0.00
02/07/1964 13:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.01	0.00	0.00
02/07/1964 13:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.01	0.00	0.00
02/07/1964 13:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.01	0.00	0.00
02/07/1964 13:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.01	0.00	0.00
02/07/1964 13:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.01	0.00	0.00
02/07/1964 13:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.01	0.00	0.00
02/07/1964 13:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.01	0.00	0.00
02/07/1964 13:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.01	0.00	0.00
02/07/1964 13:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.01	0.00	0.00
02/07/1964 14:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.01	0.00	0.00
02/07/1964 14:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.01	0.00	0.00
02/07/1964 14:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.01	0.00	0.00
02/07/1964 14:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.01	0.00	0.00
02/07/1964 14:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.01	0.00	0.00
02/07/1964 14:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.01	0.00	0.00
02/07/1964 14:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.01	0.00	0.00
02/07/1964 14:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.01	0.00	0.00
02/07/1964 14:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.01	0.00	0.00
02/07/1964 14:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.01	0.00	0.00
02/07/1964 14:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.01	0.00	0.00
02/07/1964 14:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.01	0.00	0.00
02/07/1964 15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.01	0.00	0.00
02/07/1964 15:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.01	0.00	0.00
02/07/1964 15:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.01	0.00	0.00
02/07/1964 15:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.01	0.00	0.00
02/07/1964 15:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.01	0.00	0.00
02/07/1964 15:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.01	0.00	0.00
02/07/1964 15:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.01	0.00	0.00
02/07/1964 15:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.01	0.00	0.00
02/07/1964 15:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.01	0.00	0.00
02/07/1964 15:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.01	0.00	0.00
02/07/1964 15:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.01	0.00	0.00
02/07/1964 15:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.01	0.00	0.00
02/07/1964 16:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.01	0.00	0.00
02/07/1964 16:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.01	0.00	0.00
02/07/1964 16:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.01	0.00	0.00
02/07/1964 16:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.01	0.00	0.00
02/07/1964 16:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.01	0.00	0.00
02/07/1964 16:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.01	0.00	0.00
02/07/1964 16:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.01	0.00	0.00
02/07/1964 16:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.01	0.00	0.00
02/07/1964 16:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.01	0.00	0.00
02/07/1964 16:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.01	0.00	0.00
02/07/1964 16:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.01	0.00	0.00
02/07/1964 16:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.01	0.00	0.00
02/07/1964 17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.01	0.00	0.00
02/07/1964 17:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.01	0.00	0.00
02/07/1964 17:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.01	0.00	0.00
02/07/1964 17:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.01	0.00	0.00
02/07/1964 17:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.01	0.00	0.00
02/07/1964 17:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.01	0.00	0.00
02/07/1964 17:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.01	0.00	0.00
02/07/1964 17:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.01	0.00	0.00
02/07/1964 17:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.01	0.00	0.00
02/07/1964 17:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.01	0.00	0.00
02/07/1964 17:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.01	0.00	0.00
02/07/1964 17:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.01	0.00	0.00
02/07/1964 18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.01	0.00	0.00
02/07/1964 18:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.01	0.00	0.00
02/07/1964 18:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.01	0.00	0.00
02/07/1964 18:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.01	0.00	0.00
02/07/1964 18:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.01	0.00	0.00
02/07/1964 18:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.01	0.00	0.00
02/07/1964 18:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.01	0.00	0.00
02/07/1964 18:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.01	0.00	0.00
02/07/1964 18:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.01	0.00	0.00
02/07/1964 18:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.01	0.00	0.00
02/07/1964 18:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.01	0.00	0.00
02/07/1964 18:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.01	0.00	0.00
02/07/1964 19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.01	0.00	0.00
02/07/1964 19:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.01	0.00	0.00
02/07/1964 19:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.01	0.00	0.00
02/07/1964 19:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.01	0.00	0.00
02/07/1964 19:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.01	0.00	0.00
02/07/1964 19:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.01	0.00	0.00
02/07/1964 19:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.01	0.00	0.00
02/07/1964 19:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.01	0.00	0.00
02/07/1964 19:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.01	0.00	0.00
02/07/1964 19:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.01	0.00	0.00
02/07/1964 19:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.01	0.00	0.00
02/07/1964 19:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00
02/07/1964 20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.01	0.00	0.00
02/07/1964 20:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.01	0.00	0.00
02/07/1964 20:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.01	0.00	0.00
02/07/1964 20:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.01	0.00	0.00
02/07/1964 20:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.01	0.00	0.00
02/07/1964 20:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.01	0.00	0.00
02/07/1964 20:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.01	0.00	0.00
02/07/1964 20:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.01	0.00	0.00
02/07/1964 20:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.01	0.00	0.00
02/07/1964 20:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.01	0.00	0.00
02/07/1964 20:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.01	0.00	0.00
02/07/1964 20:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.01	0.00	0.00
02/07/1964 21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.01	0.00	0.00
02/07/1964 21:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.01	0.00	0.00

02/07/1964 21:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.01	0.00	0.00
02/07/1964 21:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.01	0.00	0.00
02/07/1964 21:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.01	0.00	0.00
02/07/1964 21:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.01	0.00	0.00
02/07/1964 21:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.01	0.00	0.00
02/07/1964 21:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.01	0.00	0.00
02/07/1964 21:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.01	0.00	0.00
02/07/1964 21:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.01	0.00	0.00
02/07/1964 21:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.01	0.00	0.00
02/07/1964 21:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.01	0.00	0.00
02/07/1964 22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.01	0.00	0.00
02/07/1964 22:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.01	0.00	0.00
02/07/1964 22:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.01	0.00	0.00
02/07/1964 22:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.01	0.00	0.00
02/07/1964 22:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.01	0.00	0.00
02/07/1964 22:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.01	0.00	0.00
02/07/1964 22:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.01	0.00	0.00
02/07/1964 22:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.01	0.00	0.00
02/07/1964 22:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.01	0.00	0.00
02/07/1964 22:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.01	0.00	0.00
02/07/1964 22:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.01	0.00	0.00
02/07/1964 22:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.01	0.00	0.00
02/07/1964 23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.01	0.00	0.00
02/07/1964 23:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.01	0.00	0.00
02/07/1964 23:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.01	0.00	0.00
02/07/1964 23:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.01	0.00	0.00
02/07/1964 23:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.01	0.00	0.00
02/07/1964 23:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.01	0.00	0.00
02/07/1964 23:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.01	0.00	0.00
02/07/1964 23:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.01	0.00	0.00
02/07/1964 23:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.01	0.00	0.00
02/07/1964 23:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.01	0.00	0.00
02/07/1964 23:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.01	0.00	0.00
02/07/1964 23:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.01	0.00	0.00
03/07/1964 00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.01	0.00	0.00
03/07/1964 00:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.01	0.00	0.00
03/07/1964 00:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.01	0.00	0.00
03/07/1964 00:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.01	0.00	0.00
03/07/1964 00:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.01	0.00	0.00
03/07/1964 00:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.01	0.00	0.00
03/07/1964 00:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.01	0.00	0.00
03/07/1964 00:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.01	0.00	0.00
03/07/1964 00:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.01	0.00	0.00
03/07/1964 00:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.01	0.00	0.00
03/07/1964 00:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.01	0.00	0.00
03/07/1964 00:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.01	0.00	0.00
03/07/1964 01:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.01	0.00	0.00
03/07/1964 01:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.01	0.00	0.00
03/07/1964 01:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.01	0.00	0.00
03/07/1964 01:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.01	0.00	0.00
03/07/1964 01:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.01	0.00	0.00
03/07/1964 01:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.01	0.00	0.00
03/07/1964 01:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.01	0.00	0.00
03/07/1964 01:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.01	0.00	0.00
03/07/1964 01:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.01	0.00	0.00
03/07/1964 01:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.01	0.00	0.00
03/07/1964 01:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.01	0.00	0.00
03/07/1964 01:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.01	0.00	0.00
03/07/1964 02:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.01	0.00	0.00
03/07/1964 02:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.01	0.00	0.00
03/07/1964 02:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.01	0.00	0.00
03/07/1964 02:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.01	0.00	0.00
03/07/1964 02:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.01	0.00	0.00
03/07/1964 02:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.01	0.00	0.00
03/07/1964 02:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.01	0.00	0.00
03/07/1964 02:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.01	0.00	0.00
03/07/1964 02:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.01	0.00	0.00
03/07/1964 02:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.01	0.00	0.00
03/07/1964 02:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.01	0.00	0.00
03/07/1964 02:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.01	0.00	0.00
03/07/1964 03:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.01	0.00	0.00
03/07/1964 03:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.01	0.00	0.00
03/07/1964 03:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.01	0.00	0.00
03/07/1964 03:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.01	0.00	0.00
03/07/1964 03:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.01	0.00	0.00
03/07/1964 03:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.01	0.00	0.00
03/07/1964 03:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.01	0.00	0.00
03/07/1964 03:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.01	0.00	0.00
03/07/1964 03:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.01	0.00	0.00
03/07/1964 03:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.01	0.00	0.00
03/07/1964 03:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.01	0.00	0.00
03/07/1964 03:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.01	0.00	0.00
03/07/1964 04:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.01	0.00	0.00
03/07/1964 04:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.01	0.00	0.00
03/07/1964 04:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.01	0.00	0.00
03/07/1964 04:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.01	0.00	0.00
03/07/1964 04:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.01	0.00	0.00
03/07/1964 04:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.01	0.00	0.00
03/07/1964 04:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.01	0.00	0.00
03/07/1964 04:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.01	0.00	0.00
03/07/1964 04:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.01	0.00	0.00
03/07/1964 04:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.01	0.00	0.00
03/07/1964 04:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.01	0.00	0.00
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03/07/1964 05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.01	0.00	0.00
03/07/1964 05:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.01	0.00	0.00
03/07/1964 05:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.01	0.00	0.00
03/07/1964 05:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.01	0.00	0.00
03/07/1964 05:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.01	0.00	0.00
03/07/1964 05:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.01	0.00	0.00
03/07/1964 05:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.01	0.00	0.00
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03/07/1964 05:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.01	0.00	0.00
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03/07/1964 05:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.01	0.00	0.00
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03/07/1964 06:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.00
03/07/1964 06:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.00
03/07/1964 06:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.01	0.00	0.00
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03/07/1964 06:20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.01	0.00	0.00
03/07/1964 06:25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.01	0.00	0.00
03/07/1964 06:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.00
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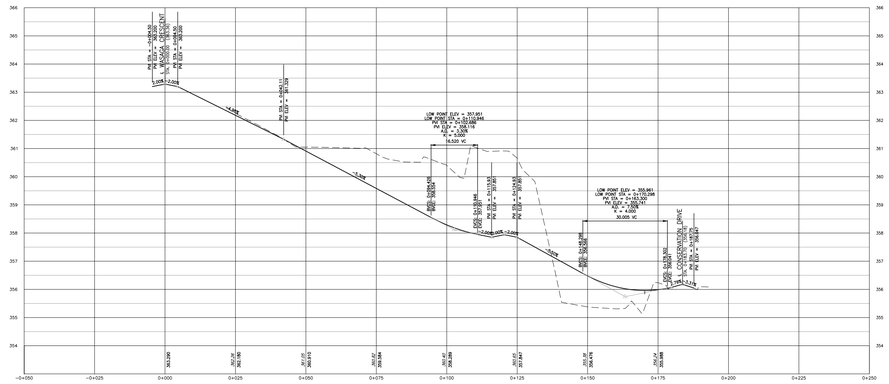
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03/07/1964 07:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00
03/07/1964 07:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00
03/07/1964 07:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00
03/07/1964 07:15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00
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03/07/1964 07:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00
03/07/1964 07:35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00
03/07/1964 07:40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00
03/07/1964 07:45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00
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03/07/1964 07:55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00
03/07/1964 08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00
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03/07/1964 08:10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
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APPENDIX B
DRAWINGS

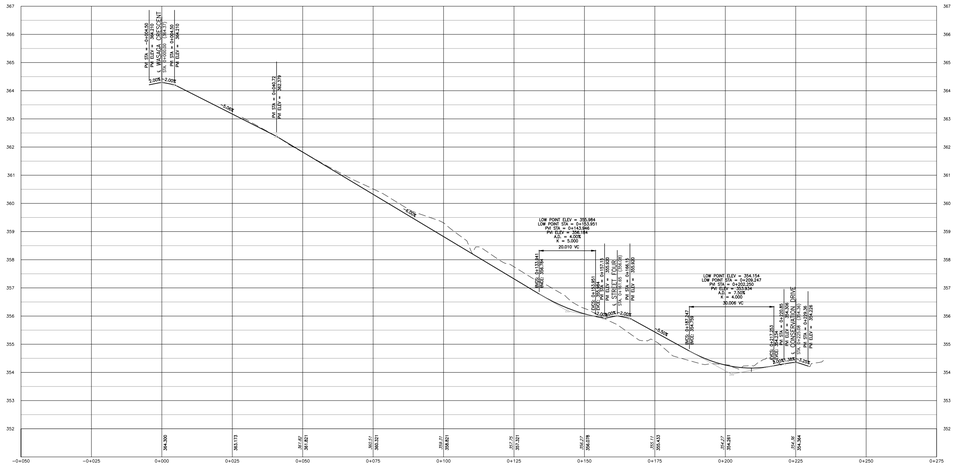
Stantec



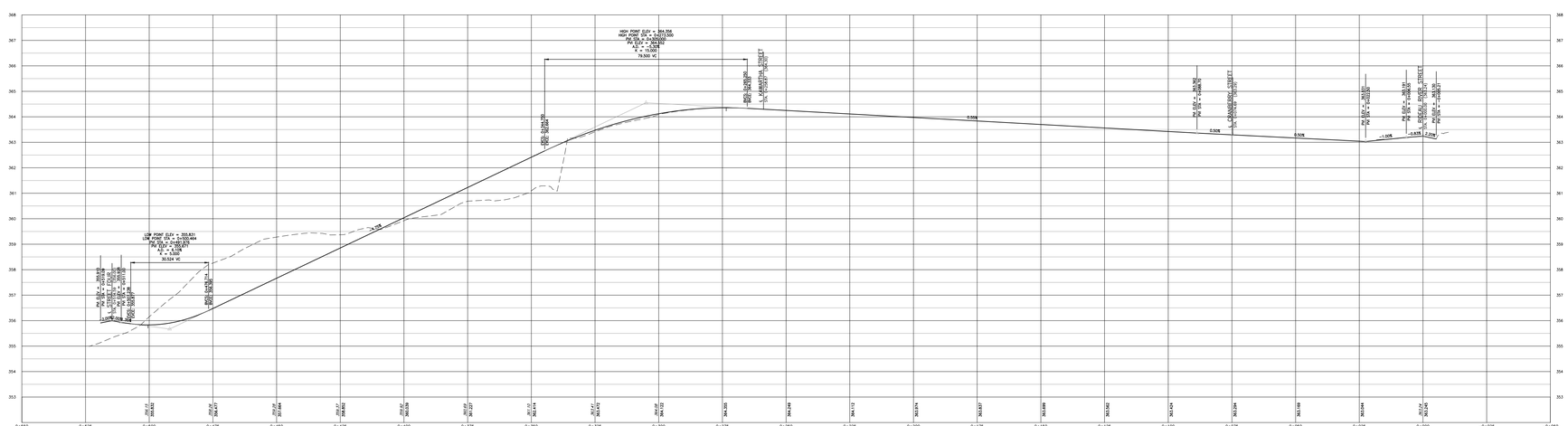
RIDEAU RIVER STREET



CRANBERRY STREET



KAWARTHA STREET



WASAGA CRESCENT

Stantec

300 Hagey Blvd. Suite 100
Waterloo, ON, N2L 0A4
Tel. 519.579.4410
www.stantec.com

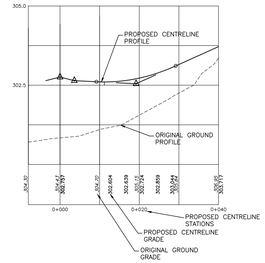
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Notes

1. BENCHMARK:
   CUT CROSS IN CONCRETE CURB, NORTH EAST CORNER OF RIDEAU RIVER STREET AND WASAGA CRESCENT, CITY OF WATERLOO.
   ELEVATION = 363.82m
2. TOPOGRAPHIC SURVEY BY STANTEC CONSULTING LTD. DATED APRIL 2016. ELEVATIONS ARE REFFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (COVD-1929:1978)
3. DRAFT PLAN FOR LANDS PROVIDED BY MHBC DATED OCTOBER 21, 2016

Legend



Revision	By	Appd.	YY.MM.DD
File Name: 60308671_C-200ST.dwg	M.A.R. Dwn.	J.L.G. Chkd.	M.A.R. Dsgn.	17.01.12 YY.MM.DD

Permit-Seal

Client/Project

ACTIVA HOLDINGS INC.

CONSERVATION MEADOWS SUBDIVISION PHASE 2

Waterloo, ON.

Title

CONCEPTUAL ROAD PROFILES

Project No. 60308671

Scale 1:1000H 0 10 30 50m
1:100V 0 1 3 5m

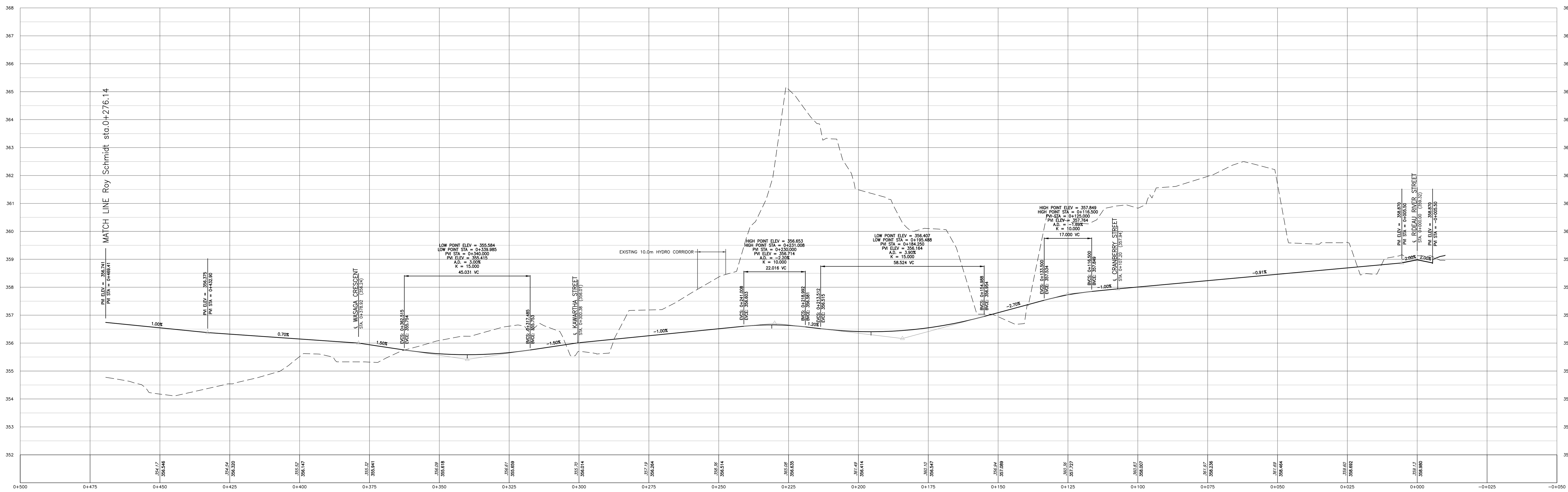
Drawing No. C-200

Sheet of

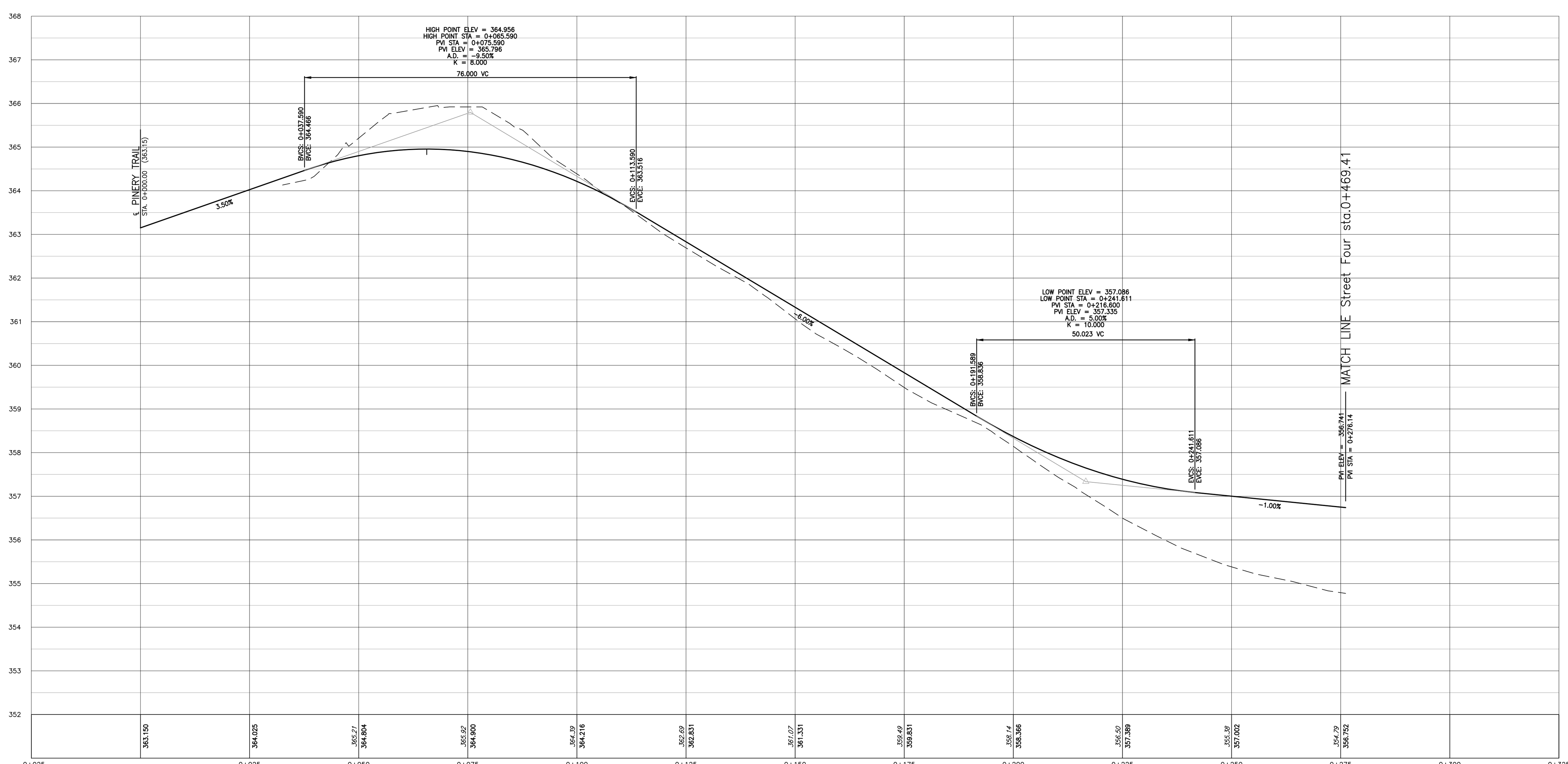
Revision 0

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2017/07/04 1:27 PM By: Kristi. Martin

ORIGINAL SHEET - ARCH D



STREET FOUR



ROY SCHMIDT ROAD

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2017/07/04 1:37 PM By: Rose, Martin

ORIGINAL SHEET - ARCH D

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Waterloo, ON, N2L 0A4
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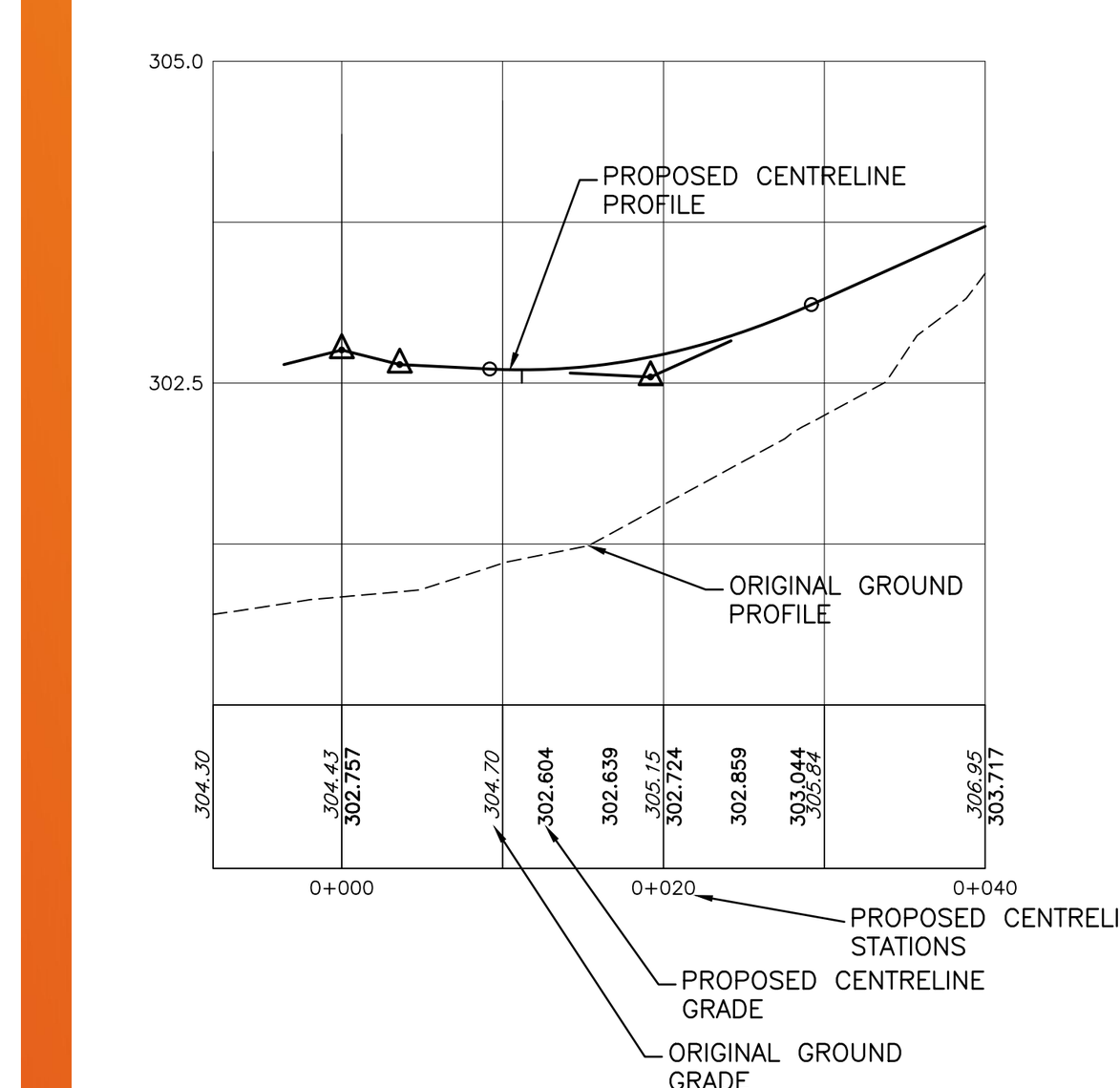
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Notes

1. BENCHMARK:
   CUT CROSS IN CONCRETE CURB, NORTH EAST CORNER OF RIDEAU RIVER STREET AND WASAGA CRESCENT, CITY OF WATERLOO.
   ELEVATION = 363.82m
2. TOPOGRAPHIC SURVEY BY STANTEC CONSULTING LTD. DATED APRIL 2016. ELEVATIONS ARE REFFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD–1929:1978)
3. DRAFT PLAN FOR LANDS PROVIDED BY MHBC DATED OCTOBER 21, 2016

Legend



Revision	By	Appd.	YY.MM.DD

File Name: 60308671_C-201ST.dwg	Dwn.	Chkd.	Dsgn.	17.01.12 YY.MM.DD

Permit-Seal

Client/Project

ACTIVA HOLDINGS INC.

CONSERVATION MEADOWS SUBDIVISION PHASE 2

Waterloo, ON.

Title

CONCEPTUAL ROAD PROFILES

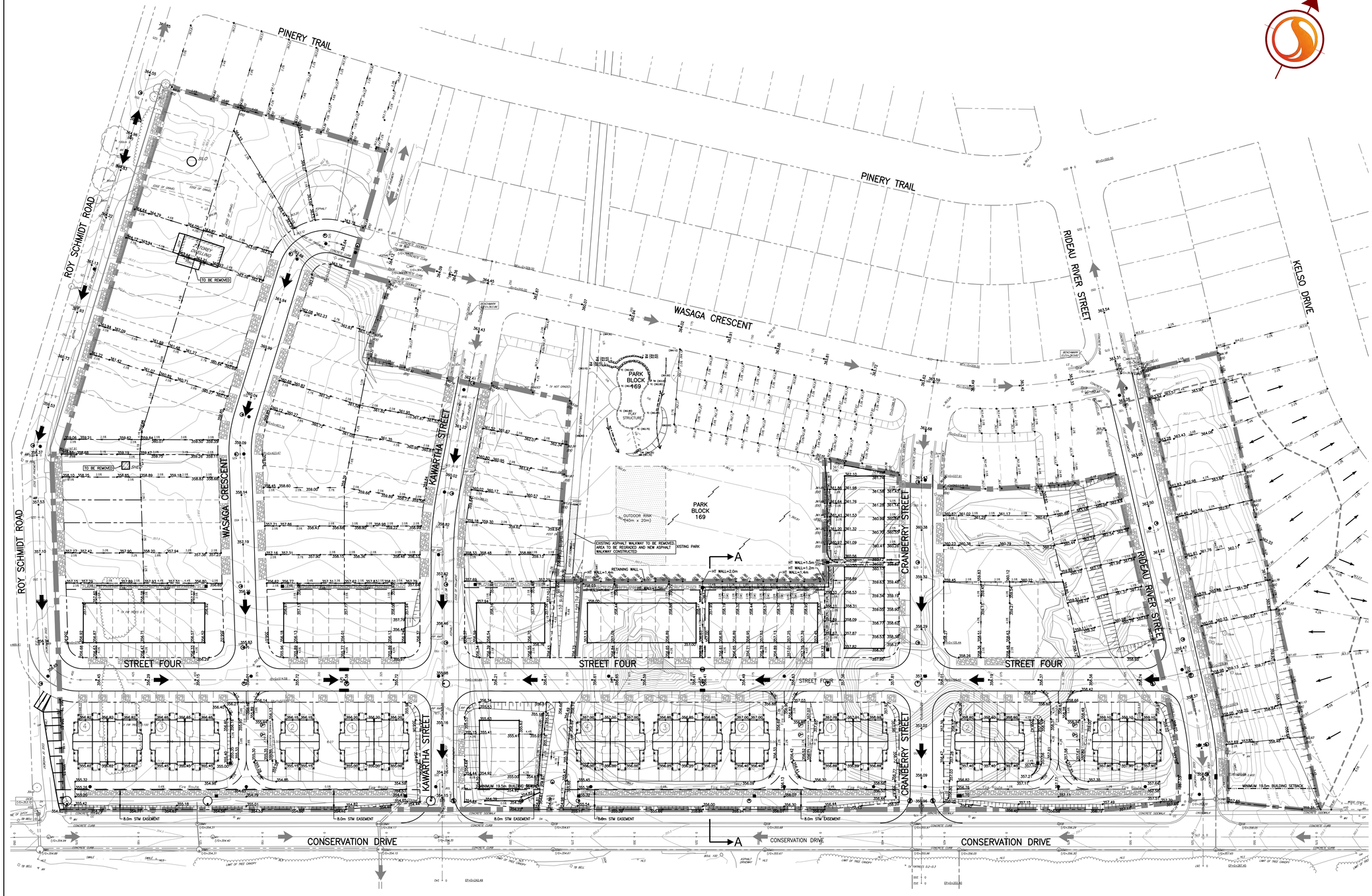
Project No. 60308671

Scale 1:1000H 1:100V

Drawing No. C-201

Sheet of

Revision 0



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Notes

1. BENCHMARK:
   CUT CROSS IN CONCRETE CURB, NORTH EAST CORNER OF RIDEAU RIVER STREET AND WASAGA CRESCENT, CITY OF WATERLOO.
   ELEVATION = 363.82m
2. TOPOGRAPHIC SURVEY BY STANTEC CONSULTING LTD. DATED APRIL 2016. ELEVATIONS ARE REFFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (COVD-1929:1978)
3. DRAFT PLAN FOR LANDS PROVIDED BY MHBC DATED APRIL 7, 2017

Legend

- PROPERTY LIMIT
- 352.82 (EX) — EXISTING ELEVATION
- 352.92 — PROPOSED ELEVATION
- 2.0% 2.0% — FLOW DIRECTION AND GRADE
- 349.00 — EXISTING CONTOUR (SURVEYED)
- EXISTING CONTOUR (CITY OF CAMBRIDGE)
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED HYDRANT
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING HYDRANT
- PROPOSED SLOPE (3:1 UNLESS NOTED OTHERWISE)
- OVERLAND FLOW DIRECTION
- EXISTING OVERLAND FLOW DIRECTION
- BH — BOREHOLE
- TP — TEST PIT
- MW — MONITORING WELL
- EXSITING TREE
- EXSITING DRIP LINE
- RETAINING WALL (BY OTHERS)
- INFILTRATION TRENCH

Revision	By	Appd.	YY.MM.DD
File Name: 60308671_C-400GP.dwg	M.A.R. Dwn.	J.L.G. Chkd.	M.A.R. Dsgn. 17.01.09 YY.MM.DD

Permit-Seal

Client/Project

ACTIVA HOLDINGS INC.

CONSERVATION MEADOWS SUBDIVISION PHASE 2

Waterloo, ON.

Title

CONCEPTUAL GRADING PLAN

Project No.	Scale	Revision
60308671	1:750 (0, 7.5, 22.5, 37.5m)	
Drawing No.	Sheet	
C-400	of	0

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2017/07/04 1:40 PM By: Ross, Martin

ORIGINAL SHEET - ARCH D

APPENDIX C

STORM AND SANITARY SEWER DESIGN SHEETS

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SUBDIVISION
Conservation Meadows Subdivision Phase 2

DATE: May 1, 2020
DESIGNED BY: MAR
CHECKED BY: JLG

STORM SEWER DESIGN SHEET

FILE NUMBER: 30T-n/a

DESIGN PARAMETERS
DESIGN STORM 1 IN 100 Years
I = a / ((tc + b) ^c)
a= 5886 MANNING'S n = 0.013
b= 28.6 MINIMUM COVER: 1.500 m
c= 0.9690 TIME OF ENTRY 10 min

LOCATION				DRAINAGE AREA							PIPE SELECTION							
	FROM M.H.	TO M.H.	AREA ID	AREA (ha)	C	A x C (ha)	ACCUM. A x C (ha)	T of C (min)	I (mm/h)	Q (Cum/s)	LENGTH (m)	PIPE SIZE (mm)	SLOPE %	CAP. (FULL) (Cum/s)	VEL. (FULL) (m/S)	(ACT) (m/S)	TIME OF FLOW (min)	CAPACITY CHECK
Townhouse Block	83	183		0.09	0.85	0.08	0.08	5.00	195.34	0.042	60.0	300	1.00	0.10	1.37	1.30	0.77	43%
Townhouse Block	183	81		0.17	0.85	0.14	0.22	5.77	191.10	0.117	68.0	375	1.00	0.18	1.59	1.71	0.66	67%
Townhouse Block	81	80		0.20	0.85	0.17	0.39	6.43	187.59	0.204	48.0	450	1.00	0.29	1.79	1.95	0.41	71%
Townhouse Block	80	79		0.18	0.85	0.15	0.54	6.84	185.49	0.280	29.0	525	1.00	0.43	1.99	2.13	0.23	65%
Townhouse Block	79	78			0.85		0.54	7.07	184.35	0.279	7.0	525	1.00	0.43	1.99	2.13	0.05	65%
Townhouse Block	78	77			0.85		0.54	7.13	184.07	0.278	26.5	525	1.00	0.43	1.99	2.13	0.21	65%
Townhouse Block	77	76		0.21	0.85	0.18	0.72	7.33	183.04	0.367	19.5	525	1.00	0.43	1.99	2.24	0.14	85%
Rideau River St.	A	B		0.86	0.50	0.43	0.43	10.00	170.77	0.204	115.0	375	3.00	0.30	2.75	2.96	0.65	67%
Rideau River St.	C	B		0.55	0.50	0.28	0.28	10.00	170.77	0.130	35.5	450	0.50	0.20	1.27	1.36	0.44	65%
Street Four	B	D		0.43	0.70	0.30	1.01	10.65	168.04	0.470	110.5	675	0.45	0.56	1.58	1.77	1.04	83%
Cranberry Street	E	D		0.87	0.65	0.57	0.57	10.00	170.77	0.268	81.0	450	2.00	0.40	2.54	2.73	0.50	67%
Street Four	D	F					1.57	11.69	163.84	0.715	66.5	900	0.45	1.21	1.91	1.99	0.56	59%
Street Four	F	K		1.96	0.40	0.78	2.36	12.25	161.67	1.058	128.5	900	0.45	1.21	1.91	2.17	0.99	87%
Kawartha Street	G	K		1.01	0.55	0.56	0.56	10.00	170.77	0.264	120.0	450	2.00	0.40	2.54	2.71	0.74	65%
Wasaga Crescent	H	I		2.06	0.55	1.13	1.13	10.00	170.77	0.537	205.0	600	1.40	0.73	2.57	2.83	1.21	74%
Roy Schmidt Road	J	I		0.96	0.70	0.67	0.67	10.00	170.77	0.319	300.0	525	1.00	0.43	1.99	2.20	2.28	74%
Street Four	I	K		0.35	0.70	0.25	2.05	12.28	161.54	0.920	70.0	750	1.00	1.11	2.52	2.83	0.41	83%
Easement	K	76					4.96	12.69	159.98	2.205	45.0	1200	0.50	2.76	2.44	2.72	0.28	80%
Storm Easement	76	75		0.28	0.85	0.24	5.92	12.97	158.95	2.615	125.0	1350	0.50	3.77	2.64	2.86	0.73	69%
Storm Easement	75	74		0.05	0.85	0.04	5.96	13.69	156.30	2.589	17.0	1350	0.50	3.77	2.64	2.86	0.10	69%
100 Year Post Dev. less 100 Year Pre Dev.										2.114		1200	0.50	2.76	2.44	2.71		77%

Stantec

SUBDIVISION
Conservation Meadows Subdivision Phase 2

DATE: May 1, 2020
DESIGNED BY: MAR
CHECKED BY: JLG

STORM SEWER DESIGN SHEET
PRE-DEVELOPMENT

FILE NUMBER: 30T·n/a

DESIGN PARAMETERS

DESIGN STORM 1 IN 100 Years

I = a / ((tc + b) ^c)

a=	5886	MANNING'S n =	0.013	
b=	28.6	MINIMUM COVER:	1.500	m
c=	0.9690	TIME OF ENTRY	10	min

LOCATION				DRAINAGE AREA							PIPE SELECTION							
	FROM M.H.	TO M.H.	AREA ID	AREA (ha)	C	A x C (ha)	ACCUM. A x C (ha)	T of C (min)	I (mm/h)	Q (Cum/s)	LENGTH (m)	PIPE SIZE (mm)	SLOPE %	CAP. (FULL) (Cum/s)	VEL. (FULL) (m/S)	(ACT) (m/S)	TIME OF FLOW (min)	CAPACITY CHECK
Townhouse Block	83	183		0.09	0.20	0.02	0.02	5.00	195.34	0.010	60.0	300	1.00	0.10	1.37	0.85	1.18	10%
Townhouse Block	183	81		0.17	0.20	0.03	0.05	6.18	188.92	0.027	68.0	300	1.00	0.10	1.37	1.16	0.97	28%
Townhouse Block	81	80		0.20	0.20	0.04	0.09	7.15	183.93	0.047	48.0	300	1.00	0.10	1.37	1.35	0.59	49%
Townhouse Block	80	79		0.18	0.20	0.04	0.13	7.74	181.03	0.064	29.0	300	1.00	0.10	1.37	1.47	0.33	67%
Townhouse Block	79	78			0.20		0.13	8.07	179.46	0.064	7.0	300	1.00	0.10	1.37	1.46	0.08	66%
Townhouse Block	78	77			0.20		0.13	8.15	179.08	0.064	26.5	300	1.00	0.10	1.37	1.46	0.30	66%
Townhouse Block	77	76		0.21	0.20	0.04	0.17	8.45	177.67	0.084	19.5	375	1.00	0.18	1.59	1.56	0.21	48%
Rideau River St.	A	B		0.86	0.20	0.17	0.17	10.00	170.77	0.082	115.0	300	3.00	0.17	2.37	2.35	0.82	49%
Rideau River St.	C	B		0.55	0.20	0.11	0.11	10.00	170.77	0.052	35.5	300	0.50	0.07	0.97	1.07	0.55	76%
Street Four	B	D		0.43	0.20	0.09	0.37	10.82	167.34	0.171	110.5	525	0.45	0.29	1.33	1.39	1.33	59%
Cranberry Street	E	D		0.87	0.20	0.17	0.17	10.00	170.77	0.083	81.0	300	2.00	0.14	1.93	2.03	0.66	60%
Street Four	D	F					0.54	12.15	162.05	0.244	66.5	600	0.45	0.41	1.46	1.52	0.73	59%
Street Four	F	K		1.96	0.20	0.39	0.93	12.88	159.28	0.413	128.5	675	0.45	0.56	1.58	1.73	1.24	73%
Kawartha Street	G	K		1.01	0.20	0.20	0.20	10.00	170.77	0.096	120.0	300	2.00	0.14	1.93	2.11	0.95	70%
Wasaga Crescent	H	I		2.06	0.20	0.41	0.41	10.00	170.77	0.195	205.0	450	1.40	0.34	2.12	2.18	1.56	58%
Roy Schmidt Road	J	I		0.96	0.20	0.19	0.19	10.00	170.77	0.091	300.0	375	1.00	0.18	1.59	1.59	3.15	52%
Street Four	I	K		0.35	0.20	0.07	0.67	13.15	158.27	0.296	70.0	525	1.00	0.43	1.99	2.16	0.54	69%
Easement	K	76					1.81	13.69	156.31	0.786	45.0	675	2.00	1.19	3.32	3.57	0.21	66%
Storm Easement	76	75		0.28	0.20	0.06	2.04	49.80	85.95	0.486	125.0	675	0.50	0.59	1.66	1.86	1.12	82%
Storm Easement	75	74		0.05	0.20	0.01	2.05	50.92	84.77	0.482	17.0	675	0.50	0.59	1.66	1.86	0.15	81%

SUBDIVISION

Conservation Meadows Subdivision Phase 2

STORM SEWER DESIGN SHEET

DATE: April 30, 2020
DESIGNED BY: MAR
CHECKED BY: JLG
FILE NUMBER: 30T·n/a

DESIGN PARAMETERS

DESIGN STORM 1 IN 5 Years

I = a / ((tc + b) ^c)

a= 1593 MANNING'S n = 0.013
b= 11 MINIMUM COVER: 1.500 m
c= 0.8789 TIME OF ENTRY 10 min

LOCATION				DRAINAGE AREA							PIPE SELECTION							
	FROM M.H.	TO M.H.	AREA ID	AREA (ha)	C	A x C (ha)	ACCUM. A x C (ha)	T of C (min)	I (mm/h)	Q (Cum/s)	LENGTH (m)	PIPE SIZE (mm)	SLOPE %	CAP. (FULL) (Cum/s)	VEL. (FULL) (m/S)	(ACT) (m/S)	TIME OF FLOW (min)	CAPACITY CHECK
Townhouse Block	84	83		0.09	0.85	0.08	0.08	5.00	139.29	0.030	60.0	300	1.00	0.10	1.37	1.19	0.84	31%
Townhouse Block	83	81		0.17	0.85	0.14	0.22	5.84	133.16	0.082	68.0	300	1.00	0.10	1.37	1.55	0.73	85%
Townhouse Block	81	80		0.20	0.85	0.17	0.39	6.57	128.27	0.139	48.0	375	1.00	0.18	1.59	1.77	0.45	79%
Townhouse Block	80	79		0.18	0.85	0.15	0.54	7.03	125.44	0.190	29.0	450	1.00	0.29	1.79	1.93	0.25	66%
Townhouse Block	79	78			0.85		0.54	7.28	123.92	0.187	7.0	450	1.00	0.29	1.79	1.92	0.06	66%
Townhouse Block	78	77			0.85		0.54	7.34	123.56	0.187	26.5	450	1.00	0.29	1.79	1.92	0.23	65%
Townhouse Block	77	76		0.21	0.85	0.18	0.72	7.57	122.21	0.245	19.5	450	1.00	0.29	1.79	2.03	0.16	86%
Rideau River St.	A	B		0.86	0.50	0.43	0.43	10.00	109.68	0.131	115.0	300	3.00	0.17	2.37	2.64	0.73	78%
Rideau River St.	C	B		0.55	0.50	0.28	0.28	10.00	109.68	0.084	35.5	375	0.50	0.12	1.12	1.21	0.49	68%
Street Four	B	D		0.43	0.70	0.30	1.01	10.73	106.45	0.297	110.5	600	0.45	0.41	1.46	1.60	1.15	72%
Cranberry Street	E	D		0.87	0.65	0.57	0.57	10.00	109.68	0.172	81.0	375	2.00	0.25	2.25	2.44	0.55	69%
Street Four	D	F					1.57	11.87	101.74	0.444	66.5	675	0.45	0.56	1.58	1.76	0.63	79%
Street Four	F	K		1.96	0.40	0.78	2.36	12.51	99.33	0.650	128.5	750	0.45	0.75	1.69	1.92	1.12	87%
Kawartha Street	G	K		1.01	0.55	0.56	0.56	10.00	109.68	0.169	120.0	375	2.00	0.25	2.25	2.44	0.82	68%
Wasaga Crescent	H	I		2.06	0.55	1.13	1.13	10.00	109.68	0.345	205.0	525	1.40	0.51	2.35	2.53	1.35	68%
Roy Schmidt Road	J	I		0.96	0.70	0.67	0.67	10.00	109.68	0.205	300.0	450	1.00	0.29	1.79	1.95	2.56	72%
Street Four	I	K		0.35	0.70	0.25	2.05	12.56	99.14	0.565	70.0	675	1.00	0.84	2.35	2.53	0.46	67%
Easement	K	76					4.96	13.62	95.36	1.314	45.0	750	2.00	1.57	3.56	4.01	0.19	83%
Storm Easement	76	75		0.28	0.85	0.24	5.92	13.81	94.73	1.558	125.0	1050	0.50	1.93	2.23	2.50	0.83	81%
Storm Easement	75	74		0.05	0.85	0.04	5.96	14.64	92.02	1.524	17.0	1050	0.50	1.93	2.23	2.49	0.11	79%

SUBDIVISION

Conservation Meadows Subdivision - Phase 2

SANITARY SEWER DESIGN SHEET

DATE: April 30, 2020
DESIGNED BY: MAR
CHECKED BY: JLG

FILE NUMBERS: 30T- n/a

DESIGN PARAMETERS

AVERAGE DAILY FLOW PER PERSON =	305	l/p/day	RESIDENTIAL:	0.0035 L/s/person
			COMMERCIAL:	1.5000 L/s/Ha
MINIMUM VELOCITY =	0.600	m/s	INDUSTRIAL:	1.0000 L/s/Ha
n =	0.013		INSTITUTIONAL:	2.5000 L/s/Ha
MAX PEAK FAC.=	4.500		INFILTRATION:	0.1500 L/s/Ha
MIN PEAK FAC.=	1.500		RESIDENTIAL HARMON PEAKING FACTOR	

LOCATION			RESIDENTIAL AREA AND POPULATION							COMM			INDUST			INSTIT			C+I+I	INFILTRATION			TOTAL	PIPE						
STREET	FROM M.H.	TO M.H.	AREA ID	AREA (ha)	POP. DENSITY (p/ha)	POP.	CUMULATIVE AREA (ha)	CUMULATIVE POP.	PEAK FACT.	PEAK FLOW (L/s)	AREA ID	AREA (ha)	ACCU. AREA (ha)	AREA ID	AREA (ha)	ACCU. AREA (ha)	AREA ID	AREA (ha)	ACCU. AREA (ha)	PEAK FLOW (L/s)	TOTAL AREA (ha)	ACCU. AREA (ha)	INFILT. FLOW (L/s)	FLOW (L/s)	DIST (m)	DIA (mm)	SLOPE (%)	CAP. (FULL) (L/s)	VEL. (FULL) (m/s)	VEL. (ACT.) (m/s)	% Capacity
Site																															
	117A	Ex. Plug		10.00		511	10.00	511	3.969	7.160											10.00	10.00	1.500	8.660	2.5	200	0.62	25.825	0.82	0.728	33.5%
	Ex. Plug	Ex. 12A					10.00	511	3.969	7.160												10.00	1.500	8.660	16.4	200	0.62	25.825	0.82	0.728	33.5%
	Ex. 12A	Ex. 11A					10.00	511	3.969	7.160												10.00	1.500	8.660	90.0	200	0.50	23.191	0.74	0.672	37.3%
	117A	Ex. Plug		10.00		852	10.00	852	3.844	11.561											10.00	10.00	1.500	13.061	2.5	200	0.62	25.825	0.82	0.822	50.6%
	Ex. Plug	Ex. 12A					10.00	852	3.844	11.561												10.00	1.500	13.061	16.4	200	0.62	25.825	0.82	0.822	50.6%
	Ex. 12A	Ex. 11A					10.00	852	3.844	11.561												10.00	1.500	13.061	90.0	200	0.50	23.191	0.74	0.760	56.3%