



El Paso County Planning & Community Development 2880 International Circle, Suite 110 Colorado Springs, CO 80910

Attn.: Project Manager

RE: Paint Brush Hills Filing No. 14

Dear Project Manager:

On behalf of The Landuis Company, M&S Civil Consultants hereby requests that the street, storm sewer and BMP improvements installed as a part of Paint Brush Hills Filing No. 13E be accepted for County Maintenance. The as-built construction plans which include; street, storm sewer, and water quality and detention basin improvements are attached. It should be noted that the sidewalks for the subdivision are being constructed as the homes/lots are built/developed.

Street Improvements

The street improvements for Paint Brush Hills Filing No. 14 consist of asphalt paving, curb and gutter, cross pans, pedestrian ramps and street signage for the following streets:

- Keynes Drive Sta: 1+00.00 Sta: 25+61.12
- Devoncove Drive Sta: 1+00.00 Sta: 19+00.00
- Grace Manor Drive Sta: 1+00.00 Sta: 5+66.88
- Waterloo Drive Sta: 1+00.00 Sta: 11+50.92
- Finsbury Court Sta: 1+00.00 Sta: 6+32.40
- Kingsbury Drive Sta: 1+00.00 Sta: 18+21.19
- Country Manor Drive Sta: 1+00.00 Sta: 17+89.61
- Harwood Drive Sta: 1+00.00 Sta 15+89.51
- Minor offsite improvements along Keating and Londonderry Drive

Based upon this information gathered during periodic site visits to the project, M&S Civil Consultants, Inc. is of the opinion that the street improvements have been constructed in general compliance with the approved design plans, and specifications as filed with El Paso County.

On behalf of The Landuis company, M&S Civil Consultants hereby requests that probationary inspection of these facilities by the County so that the warranty period may begin.

Storm Sewer Improvements

Per the approved construction drawings for "Paint Brush Hills Filing 14" drainage improvements were made to construct storm sewer infrastructure and a water quality and detention facility in compliance with the current El Paso County Drainage Criteria and with the approved Final Drainage Report for this project.



The drainage related improvements for Paint Brush Hills Filing No. 14 consist of:

- Type I and Type II manholes,
- 5', 10', 15' and 20' Type R inlet boxes
- 18", 24", 30", 36", 42", 48", 54", 60" and 66" Reinforced Concrete Pipe
- 18", 36" & 66" Reinforced Concrete Pipe Flared End Sections
- Water Quality and Detention Facility
 - Concrete Trickle Channel
 - o Concrete Forebay w/ Riprap Apron
 - o 24'x 10' Outlet Box w/ Micropool
 - o Buried 'M' Soil Riprap Spillway
 - Maintenance Access Road

Based upon this information gathered during periodic site visits to the project, M&S Civil Consultants, Inc. is of the opinion that the street improvements have been constructed in general compliance with the approved design plans, and specifications as filed with El Paso County.

Statement of Engineer In Responsible Charge

To the best of my knowledge, information and belief, for the referenced project above, the improvements have been constructed in general compliance with the approved design plans and specifications as filed with El Paso County to provide the required storage volume and meet the required release rates documented by the SDI design form, the stage areas, elevations and outlet dimensions. In addition, to the best of my knowledge, information and belief, for the referenced project above, the site and adjacent properties (as affected by work performed under the County permit) are stable with respect to settlement and subsidence, sloughing of cut and fill slopes, revegetation or other ground cover, and that the improvements (public improvements, common development improvements, site grading and paving) meet or exceed the minimum design requirements.

Respectfully submitted,

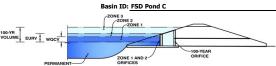
10/31/2024

Virgil A. Sanchez Colorado P.E. No.37160 For and on behalf of M&S Civil Consultants, Inc.

DETENTION BASIN STAGE-STORAGE TABLE BUILDER

MHFD-Detention, Version 4.03 (May 2020)

Project: Paint Brush Hills Filing No.14



clouds/bubbles around changes to the spreadsheet dentify what was changed from the original design.

ZONE	2 ONE 1		_		AS-BUIL	т	Plaa	se ado	d rad	\overline{a}
100-YR VOLUME EURV WQCV					AS-DUIL	I				
VOLUME EURY WOCV				_	1		to mo	ore cle	early i	d٥
ZONE	1 AND 2	100-YEA	AR E		Depth Increment =		ft		,	_
PERMANENT ORIFIC		n (Retention	Pond)		Stage - Storage	Stage	Optional Override	Length	Width	
Example 2011c	Joinigulation	i (ittotoittioii	i oliuj		Description	(ft)	Stage (ft)	(ft)	(ft)	
Watershed Information			718	9.94	Top of Micropool		0.00			П
Selected BMP Type =	EDB			190			0.06			T
Watershed Area =	137.58	acres					1.06			Ħ
Watershed Length =	3,440	ft					2.06			╁
Watershed Length to Centroid =	2,149	ft					3.06			╁
Watershed Erigin to Centrold = Watershed Slope =	0.025	ft/ft					4.06			╁
·		+	710	NE 00				-		H
Watershed Imperviousness =	32.80%	percent		5.00			5.06			⊬
Percentage Hydrologic Soil Group A =	0.0%	percent		6.00			6.06			⊬
Percentage Hydrologic Soil Group B =	100.0%	percent		7.00			7.06			┾
Percentage Hydrologic Soil Groups C/D =	0.0%	percent	/19	8.00			8.06			⊦
Target WQCV Drain Time =	40.0	hours					9.06			L
Location for 1-hr Rainfall Depths =	User Input						10.06			L
After providing required inputs above incl										L
depths, click 'Run CUHP' to generate runo										L
the embedded Colorado Urban Hydro	graphi rioceddi	1	Optional User Overrides							L
Water Quality Capture Volume (WQCV) =	1.834	acre-feet	acre-feet	t						
Excess Urban Runoff Volume (EURV) =	4.664	acre-feet	acre-feet	t						
2-yr Runoff Volume (P1 = 1.19 in.) =	4.688	acre-feet	1.19 inches							
5-yr Runoff Volume (P1 = 1.5 in.) =	7.414	acre-feet	1.50 inches							
10-yr Runoff Volume (P1 = 1.75 in.) =	9.906	acre-feet	1.75 inches							П
25-yr Runoff Volume (P1 = 2 in.) =	13.603	acre-feet	2.00 inches							П
50-yr Runoff Volume (P1 = 2.25 in.) =	16.440	acre-feet	2.25 inches							Г
100-yr Runoff Volume (P1 = 2.52 in.) =	20.186	acre-feet	2.52 inches							T
500-yr Runoff Volume (P1 = 3.14 in.) =	27.480	acre-feet	inches							Т
Approximate 2-yr Detention Volume =	3.368	acre-feet								T
Approximate 5-yr Detention Volume =	4.783	acre-feet								T
Approximate 10-yr Detention Volume =	6.844	acre-feet								T
Approximate 25-yr Detention Volume =	7.840	acre-feet								Ħ
Approximate 50-yr Detention Volume =	8.251	acre-feet								t
Approximate 100-yr Detention Volume =	9.664	acre-feet								t
Approximate 100 yr Beterition Volume	3,001	dere rece								t
Define Zones and Basin Geometry										╁
Zone 1 Volume (WQCV) =	1.834	acre-feet								╁
Zone 2 Volume (EURV - Zone 1) =	2.831	acre-feet								╁
Zone 3 Volume (100-year - Zones 1 & 2) =	5.000	acre-feet								╁
		+								H
Total Detention Basin Volume =	9.664 user	acre-feet ft ³								⊬
Initial Surcharge Volume (ISV) =		+								⊬
Initial Surcharge Depth (ISD) =	user	ft								⊬
Total Available Detention Depth (H _{total}) =	user	ft								⊦
Depth of Trickle Channel (H_{TC}) =	user	ft								⊦
Slope of Trickle Channel (S _{TC}) =	user	ft/ft								⊦
Slopes of Main Basin Sides (S _{main}) =	user	H:V								L
Basin Length-to-Width Ratio $(R_{L/W})$ =	user									L
		1 .								L
Initial Surcharge Area $(A_{ISV}) =$	user	ft²								L
Surcharge Volume Length $(L_{ISV}) =$	user	ft								L
Surcharge Volume Width $(W_{ISV}) =$	user	ft								L
Depth of Basin Floor (H _{FLOOR}) =	user	ft								L
Length of Basin Floor (L_{FLOOR}) =	user	ft								L
Width of Basin Floor (W_{FLOOR}) =	user	ft								
Area of Basin Floor (A_{FLOOR}) =	user	ft²								
Volume of Basin Floor $(V_{FLOOR}) =$	user	ft ³								L
Depth of Main Basin (H_{MAIN}) =	user	ft								Г
Length of Main Basin (L_{MAIN}) =	user	ft								Π
Width of Main Basin (W _{MAIN}) =	user	ft								Π
Area of Main Basin (A _{MAIN}) =	user	ft ²								Г
Volume of Main Basin (V _{MAIN}) =	user	ft ³								T
Calculated Total Basin Volume (V _{total}) =	user	acre-feet								T
· · · · · · · · · · · · · · · · · · ·										t

Stage Stage Description (tt) Stage (tt) (ncrement =		ft				
Top of Micropool 0.00 180 0.004						Volume	Volume (ac-ft)
90						(10)	(uc it)
1.06						11	0.000
							0.009
3.06 33,004 0.895 34,30 4.06 59,90 1.377 83,80 5.06							0.178
00							0.788
0.00						83,802	1.924
00				 -		149,867	3.440
.00						225,300	5.172
9.06 96,379 2.213 486,3 10.06 103,109 2.367 586,0 10.07 103,109 2.367 586,0 10.08 103,109 2.367 586,0 10.09 103,10			7.06		1.928	306,660	7.040
10.06			8.06	 89,476	2.054	393,394	9.031
			9.06	 96,379	2.213	486,322	11.164
			10.06	 103,109	2.367	586,066	13.454
		-					

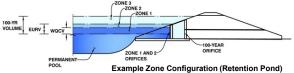
AS-BUILT

DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.03 (May 2020)



Basin ID: FSD Pond C



	Estimated	Estimated	
	Stage (ft)	Volume (ac-ft)	Outlet Type
Zone 1 (WQCV)	4.00	1.834	Orifice Plate
Zone 2 (EURV)	5.78	2.831	Orifice Plate
Zone 3 (100-year)	8.37	5.000	Weir&Pipe (Restrict)
•	Total (all zones)	9.664	

<u>User Input: Orifice at Underdrain Outlet (typically used to drain WQCV in a Filtration BMP)</u>

Underdrain Orifice Invert Depth = N/A ft (distance below the filtration media surface) Underdrain Orifice Diameter = N/A

Calculated Parameters for Underdrain Underdrain Orifice Area N/A Underdrain Orifice Centroid = N/A

User Input: Orifice Plate with one or more orifices or Elliptical Slot Weir (typically used to drain WQCV and/or EURV in a sedimentati Invert of Lowest Orifice = 0.00 ft (relative to basin bottom at Stage = 0 ft) Depth at top of Zone using Orifice Plate : 5.56 ft (relative to basin bottom at Stage = 0 ft)

Orifice Plate: Orifice Vertical Spacing = N/A inches Orifice Plate: Orifice Area per Row = N/A inches

tion BMP)	Calculated Parameters for Plate				
WQ Orifice Area per Row =	N/A	ft ²			
Elliptical Half-Width =	N/A	feet			
Elliptical Slot Centroid =	N/A	feet			
Elliptical Slot Area =	N/A	ft ²			

User Input: Stage and Total Area of Each Orifice Row (numbered from lowest to highest)

Row 1 (required) Row 2 (optional) Row 3 (optional) Row 4 (optional) Row 5 (optional) Row 6 (optional) Row 7 (optional) Row 8 (optional) Stage of Orifice Centroid (ft 0.00 2.13 3.85 Orifice Area (sq. inches) 6.62 6.62

Row 9 (optional) Row 10 (optional) Row 11 (optional) Row 12 (optional) Row 13 (optional) Row 14 (optional) Row 15 (optional) Row 16 (optional) Stage of Orifice Centroid (ft Orifice Area (sq. inches)

User Input: Vertical Orifice (Circular or Rectangular)

osci inputi vertical orinice (circular or rectaring	uiui j	
	Not Selected	Not Selected
Invert of Vertical Orifice =	N/A	N/A
Depth at top of Zone using Vertical Orifice =	N/A	N/A
Vertical Orifice Diameter =	N/A	N/A

Not Selected Not Selected ft (relative to basin bottom at Stage = 0 ft) Vertical Orifice Area N/A ft (relative to basin bottom at Stage = 0 ft) Vertical Orifice Centroid : N/A inches

User Input: Overflow Weir (Dropbox with Flat or Sloped Grate and Outlet Pipe OR Rectangular/Trapezoidal Weir (and No Outlet Pipe)

Input: Overflow Weir (Dropbox with Flat or Sloped Grate and Outlet Pipe OR Rectangular/Trapezoidal Weir (and No Outlet Pipe) Calculated Parameters for Overflow Weir								
	Zone 3 Weir	Not Selected		Zone 3 Weir	Not Selected			
Overflow Weir Front Edge Height, Ho =	5.48	N/A	ft (relative to basin bottom at Stage = 0 ft) Height of Grate Upper Edge, H_t =	5.48	N/A	feet		
Overflow Weir Front Edge Length =	8.50	N/A	feet Overflow Weir Slope Length =	2.90	N/A	feet		
Overflow Weir Grate Slope =	0.00	N/A	H:V Grate Open Area / 100-yr Orifice Area =	1.37	N/A			
Horiz. Length of Weir Sides =	2.90	N/A	feet Overflow Grate Open Area w/o Debris =	17.26	N/A	ft ²		
Overflow Grate Open Area % =	70%	N/A	%, grate open area/total area Overflow Grate Open Area w/ Debris =	8.63	N/A	ft ²		
Debris Clogging % =	50%	N/A	%	•		='		

Stage = 0 ft)

User Input: Outlet Pipe w/ Flow Restriction Plate (Circular Orifice, Restrictor Plate, or Rectangular Orifice)

	Zone 3 Restrictor	Not Selected	
Depth to Invert of Outlet Pipe =			ft (distance below basin bottom at Stage = 0 ft)
Outlet Pipe Diameter =	48.00	N/A	inches
Restrictor Plate Height Above Pipe Invert =	48.00		inches Half-Central Angle

Zone 3 Restrictor Not Selected Outlet Orifice Area 12.57 N/A Outlet Orifice Centroid = 2.00 N/A feet Half-Central Angle of Restrictor Plate on Pipe 3.14 N/A radians

Calculated Parameters for Outlet Pipe w/ Flow Restriction Plate

Calculated Parameters for Vertical Orifice

N/A

N/A

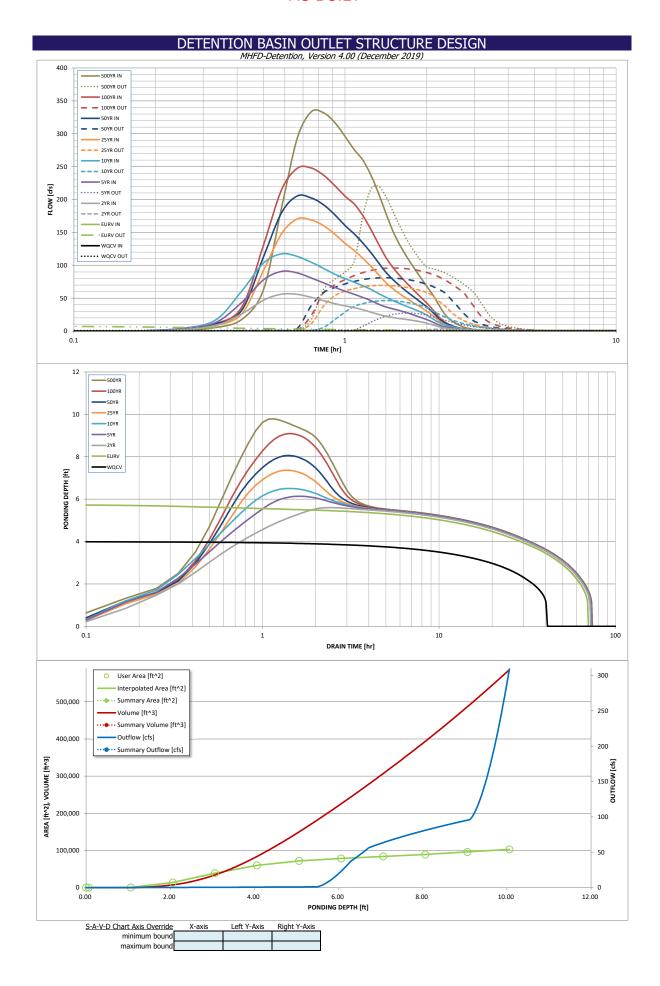
feet

User Input: Emergency Spillway (Rectangular or Trapezoidal)

Spillway Invert Stage=	9.11	ft (relative to basin bottom at
Spillway Crest Length =	63.62	feet
Spillway End Slopes =	11.50	H:V
Freeboard above Max Water Surface =	1.00	feet

Calculated Parameters for Spillway Spillway Design Flow Depth= feet 1.08 Stage at Top of Freeboard = 11.19 feet Basin Area at Top of Freeboard = 2.37 acres Basin Volume at Top of Freeboard = 13.45 acre-ft

Routed Hydrograph Results 7	he user can ove	rride the default CU	HP hydrographs an	d runoff volumes b	y entering new valu	ues in the Inflow H	ydrographs table (C	Columns W through	AF).
Design Storm Return Period =	WQCV	EURV	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year	500 Year
One-Hour Rainfall Depth (in) =	N/A	N/A	1.19	1.50	1.75	2.00	2.25	2.52	3.14
CUHP Runoff Volume (acre-ft) =	1.834	4.664	4.688	7.414	9.906	13.603	16.440	20.186	27.480
Inflow Hydrograph Volume (acre-ft) =	N/A	N/A	4.688	7.414	9.906	13.603	16.440	20.186	27.480
CUHP Predevelopment Peak Q (cfs) =	N/A	N/A	13.4	37.5	57.3	104.5	131.2	167.6	233.6
OPTIONAL Override Predevelopment Peak Q (cfs) =	N/A	N/A							
Predevelopment Unit Peak Flow, q (cfs/acre) =	N/A	N/A	0.10	0.27	0.42	0.76	0.95	1.22	1.70
Peak Inflow Q (cfs) =	N/A	N/A	56.0	90.7	117.3	170.5	205.3	248.0	333.2
Peak Outflow Q (cfs) =	0.8	8.5	3.2	27.3	46.4	69.4	81.0	95.8	219.8
Ratio Peak Outflow to Predevelopment Q =	N/A	N/A	N/A	0.7	0.8	0.7	0.6	0.6	0.9
Structure Controlling Flow =	Plate	Overflow Weir 1	Overflow Weir 1	Overflow Weir 1	Overflow Weir 1	Overflow Weir 1	Overflow Weir 1	Overflow Weir 1	Spillway
Max Velocity through Grate 1 (fps) =	N/A	0.47	0.12	1.5	2.6	3.9	4.6	5.4	5.9
Max Velocity through Grate 2 (fps) =	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Time to Drain 97% of Inflow Volume (hours) =	38	64	66	64	62	59	57	55	51
Time to Drain 99% of Inflow Volume (hours) =	40	68	70	69	69	67	66	65	63
Maximum Ponding Depth (ft) =	4.00	5.78	5.60	6.13	6.51	7.36	8.06	9.09	9.78
Area at Maximum Ponding Depth (acres) =	1.35	1.76	1.74	1.82	1.86	1.97	2.05	2.22	2.32
Maximum Volume Stored (acre-ft) =	1.842	4.672	4.339	5.299	5.979	7.624	9.011	11.231	12.798



AS-BUILT

DETENTION BASIN OUTLET STRUCTURE DESIGN Outflow Hydrograph Workbook Filename:

Inflow Hydrographs

The user can override the calculated inflow hydrographs from this workbook with inflow hydrographs developed in a separate program.

	SOURCE	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP
Time Interval	TIME	WQCV [cfs]	EURV [cfs]	2 Year [cfs]	5 Year [cfs]	10 Year [cfs]	25 Year [cfs]	50 Year [cfs]	100 Year [cfs]	500 Year [cfs]
5.00 min	0:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.02	0.76
	0:15:00 0:20:00	0.00	0.00	1.99 8.39	3.30 12.96	4.11 16.93	2.78 8.92	3.64 10.64	3.44 11.40	5.44 17.91
	0:25:00	0.00	0.00	26.34	43.86	61.18	26.51	31.98	36.78	62.34
	0:30:00	0.00	0.00	46.89	77.60	103.21	91.54	112.33	129.91	186.76
	0:35:00	0.00	0.00	56.03	90.69	117.31	147.73	179.60	214.31	293.25
	0:40:00	0.00	0.00	55.89	88.40	113.46	170.46	205.33	247.53	333.19
	0:45:00 0:50:00	0.00	0.00	51.40 46.26	80.81 73.36	104.73 95.32	168.89 160.35	202.47 192.08	247.99 237.03	331.98 317.04
	0:55:00	0.00	0.00	41.79	66.43	86.57	147.49	176.88	221.13	296.05
	1:00:00	0.00	0.00	38.32	60.66	79.87	133.52	160.62	205.25	275.59
	1:05:00	0.00	0.00	35.54	55.78	74.18	122.18	147.46	192.91	259.37
	1:10:00	0.00	0.00	32.24	51.05	68.61	110.22	133.37	174.99	235.99
	1:15:00 1:20:00	0.00	0.00	28.66	46.02	63.14	97.87	118.67	153.56	208.13
	1:25:00	0.00	0.00	25.26 22.59	40.78 36.73	56.89 51.34	85.20 73.54	103.34 89.28	131.53 111.80	178.84 152.80
	1:30:00	0.00	0.00	20.71	33.87	46.59	64.78	78.71	97.18	133.00
	1:35:00	0.00	0.00	19.22	31.46	42.38	57.46	69.84	85.54	117.05
	1:40:00	0.00	0.00	17.90	28.74	38.58	51.21	62.21	75.55	103.28
	1:45:00 1:50:00	0.00	0.00	16.63 15.37	25.84 23.03	35.08 31.74	45.53 40.37	55.27 48.95	66.53 58.19	90.81 79.29
	1:50:00	0.00	0.00	13.79	23.03	28.29	40.37 35.41	48.95 42.88	58.19	79.29 68.41
	2:00:00	0.00	0.00	12.05	17.68	24.48	30.63	37.05	42.90	58.19
	2:05:00	0.00	0.00	10.01	14.54	20.00	25.20	30.41	34.96	47.12
	2:10:00	0.00	0.00	7.91	11.30	15.51	19.47	23.40	26.68	35.70
	2:15:00	0.00	0.00	6.02	8.54	11.97	14.18	16.98	19.11	25.69
	2:20:00 2:25:00	0.00	0.00	4.64 3.75	6.66 5.40	9.58 7.83	10.33 7.79	12.53 9.55	13.93 10.40	19.12 14.47
	2:30:00	0.00	0.00	3.06	4.41	6.40	5.99	7.38	7.78	10.92
	2:35:00	0.00	0.00	2.52	3.61	5.20	4.63	5.71	5.79	8.18
	2:40:00	0.00	0.00	2.05	2.93	4.18	3.59	4.43	4.27	6.05
	2:45:00 2:50:00	0.00	0.00	1.66	2.35	3.31	2.77	3.41	3.09	4.40
	2:55:00	0.00	0.00	1.34	1.86 1.47	2.60 2.03	2.13 1.65	2.61	2.25 1.76	3.22 2.51
	3:00:00	0.00	0.00	0.89	1.16	1.59	1.31	1.60	1.41	1.99
	3:05:00	0.00	0.00	0.71	0.90	1.24	1.03	1.26	1.13	1.59
	3:10:00 3:15:00	0.00	0.00	0.56	0.69	0.95	0.80	0.97	0.88	1.24
	3:20:00	0.00	0.00	0.42	0.51	0.72 0.51	0.60 0.44	0.73 0.53	0.66 0.48	0.93
	3:25:00	0.00	0.00	0.21	0.24	0.34	0.30	0.36	0.32	0.44
	3:30:00	0.00	0.00	0.13	0.16	0.21	0.19	0.23	0.20	0.26
	3:35:00	0.00	0.00	0.07	0.09	0.11	0.11	0.12	0.10	0.13
	3:40:00 3:45:00	0.00	0.00	0.03	0.04	0.04 0.01	0.04	0.05	0.04	0.04
	3:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:05:00 4:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:25:00 4:30:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:35:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:40:00 4:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:55:00 5:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:15:00 5:20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:25:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:30:00 5:35:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:40:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:45:00	0.00 0.00	0.00	0.00 0.00	0.00	0.00 0.00	0.00	0.00	0.00 0.00	0.00
	5:50:00 5:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

