



LEGEND	
—	BASIN 10 LIMITS (OVERALL)
—	BASIN 10 LIMITS (SUB-BASINS)
- - -	OFFSITE BASIN LIMITS
—	TIME OF CONCENTRATION FLOW PATH
—	MAJOR CONTOURS (1-FOOT)
—	MINOR CONTOURS (0.5-FOOT)

TOTAL BASIN SUMMARY						
NODE NAME	STRUCTURE NAME	AREA (AC)	MIN. FFE (WARNING STAGE)	MIN. PVMT (ALERT STAGE)	**Tc (MIN)	*CN (HSG A)
BASIN 10A	S-100	17,266	8.50	6.70	21.0	73
BASIN 10B	S-101	1,276	8.00	6.57	11.0	74
BASIN 10C	S-102	0,519	7.75	6.71	10.0	74
BASIN 10D	S-103	0,792	8.00	6.95	10.0	74
BASIN 10E	S-104	5,002	8.50	6.95	22.0	73
BASIN 10F	S-105	4,502	8.50	6.82	20.0	74
BASIN 10G	S-106	4,810	9.50	7.13	22.0	74
BASIN 10H	S-107	0,353	8.50	6.73	10.0	75
BASIN 10I	S-108	3,369	10.00	9.09	22.0	73
BASIN 10J	S-109	6,244	10.25	8.05	21.0	73
BASIN 10K	S-110	3,217	9.75	8.98	18.0	74
BASIN 10L	S-111	1,262	8.50	7.77	10.0	73
BASIN 10M	S-112	3,705	10.25	7.62	20.0	74
BASIN 10N	S-113	3,829	9.75	7.78	17.0	74
BASIN 10O	S-114	4,477	10.50	6.98	24.0	75
BASIN 10P	S-115	0,531	8.25	6.71	10.0	75
BASIN 10Q	S-116	2,461	6.75	5.08	18.0	75
BASIN 10R	S-117	2,585	6.00	5.49	19.0	75
BASIN 10S	S-118	1,000	6.25	5.13	10.0	75
BASIN 3A	D6	2,425	9.25	63.74	15.0	73
BASIN 3B	D7	2,889	8.25	5.77	14.0	73
TOTAL AREA:		72,512				

*Curve number of 71 for residential land use covers assume an average 55% impervious, Type A soils, and "Good" open space cover based on survey data, aerial interpretation, and NRSC Soil Map data within Basin 10.
 **A minimum Time of Concentration of 10 minutes was used for this analysis.

REV.	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				

NOT FOR CONSTRUCTION



PROJECT
**MELBOURNE BEACH
 BASIN 10 DRAINAGE ANALYSIS**
 TOWN OF MELBOURNE, FL

TITLE
**EXISTING CONDITIONS
 BASIN MAP 2026**

DATE	SCALE	
4/6/2026	AS SHOWN	
DRAWN BY SES	DESIGNED BY SES	CHECKED BY TS / BC
PROJECT No. 25-790-BASIN MAPS.DWG	CERTIFICATE OF AUTHORIZATION No. 32684	
DRAWING No.	REV.	
DAVID C. BAGGETT, P.E. (DATE) #81375	EX. BM 2026	



FILE LOCATION: Z:\EGC\2025\790 - MELBOURNE BEACH - BASIN 10 DRAINAGE ANALYSIS\DRAWINGS\790-BASIN MAPS.DWG, 2026.DWG, 2/8/26 PM
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