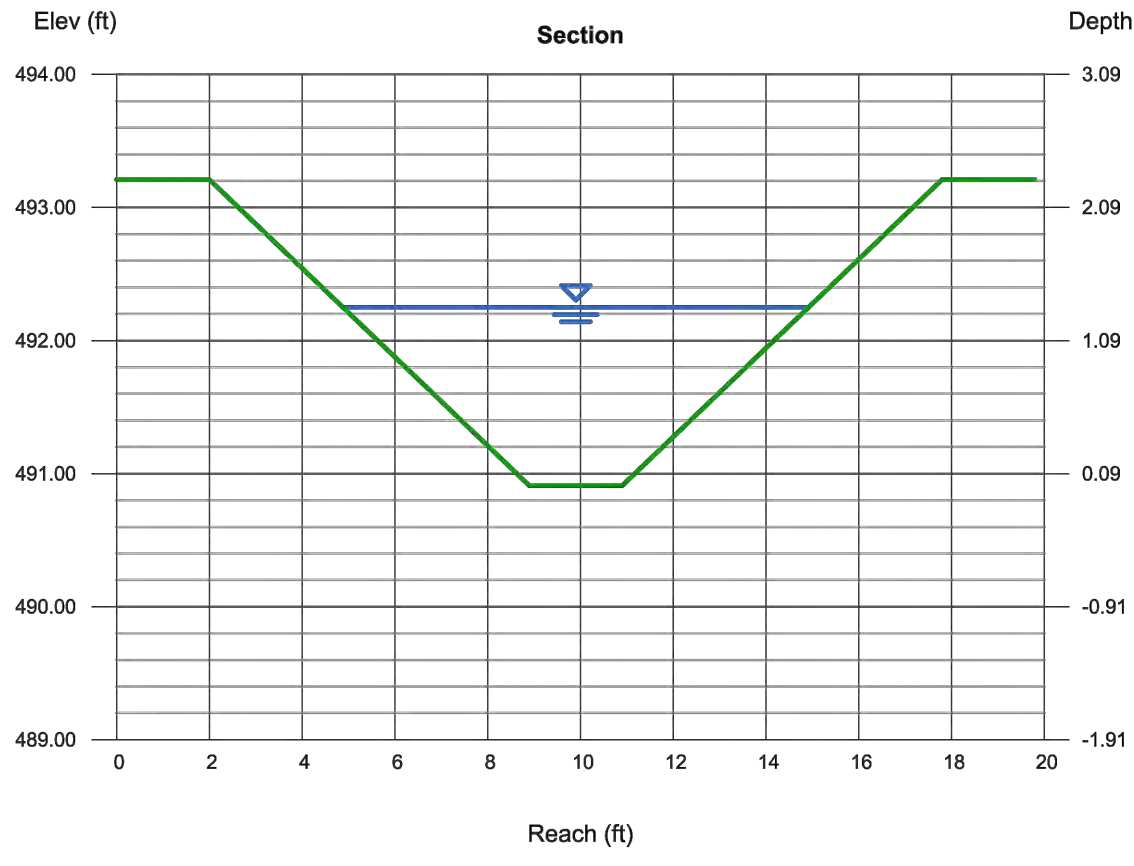


Channel Report
Hydroflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Thursday, Nov 3 2022

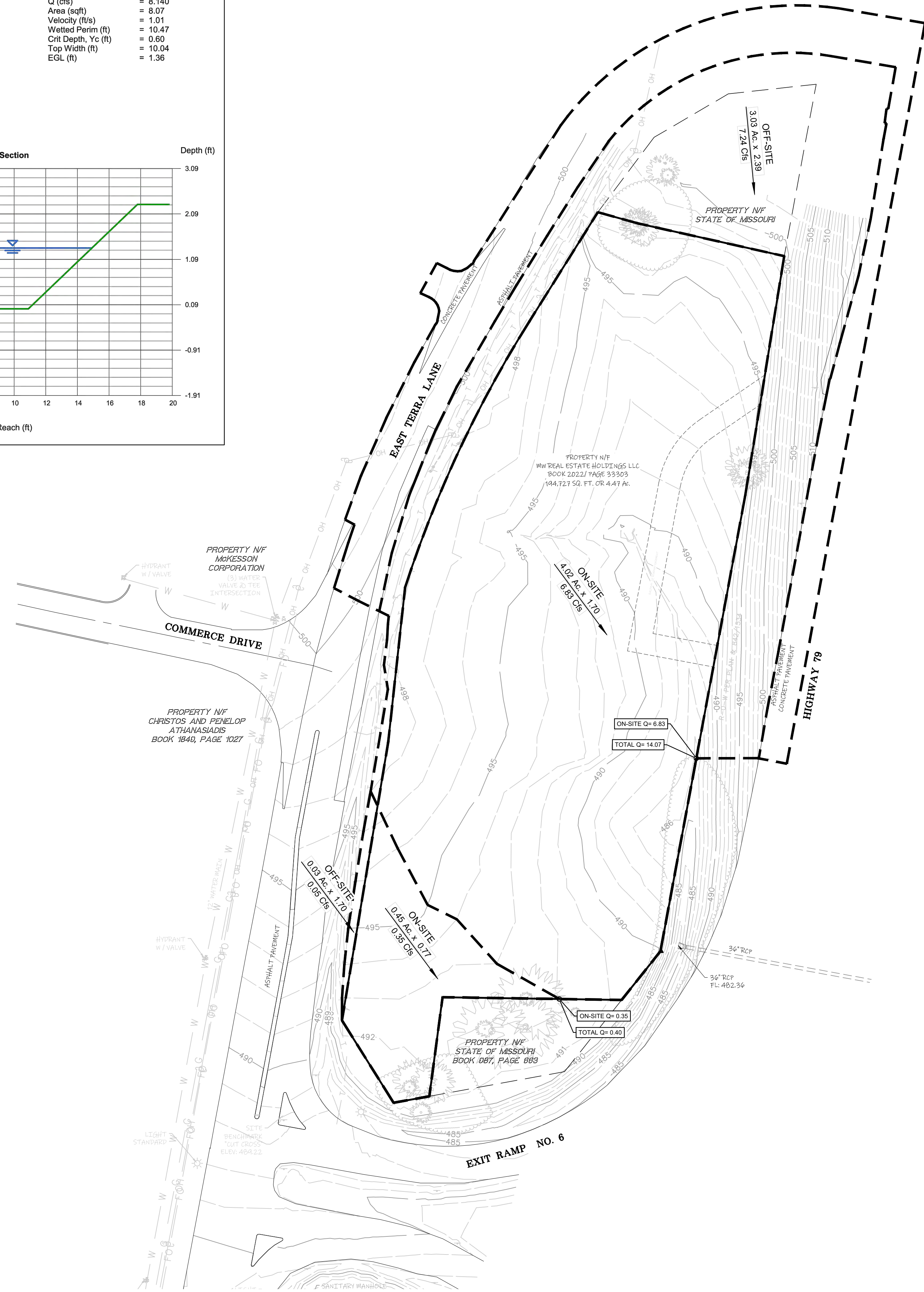
SECTION D-D

Trapezoidal		Highlighted	
Bottom Width (ft)	= 2.00	Depth (ft)	= 1.34
Side Slopes (z:1)	= 3.00, 3.00	Q (cfs)	= 8.140
Total Depth (ft)	= 2.30	Area (sqft)	= 8.07
Invert Elev (ft)	= 490.91	Velocity (ft/s)	= 1.01
Slope (%)	= 1.50	Wetted Perim (ft)	= 10.47
N-Value	= 0.150	Crit Depth, Yc (ft)	= 0.60
		Top Width (ft)	= 10.04
		EGL (ft)	= 1.36

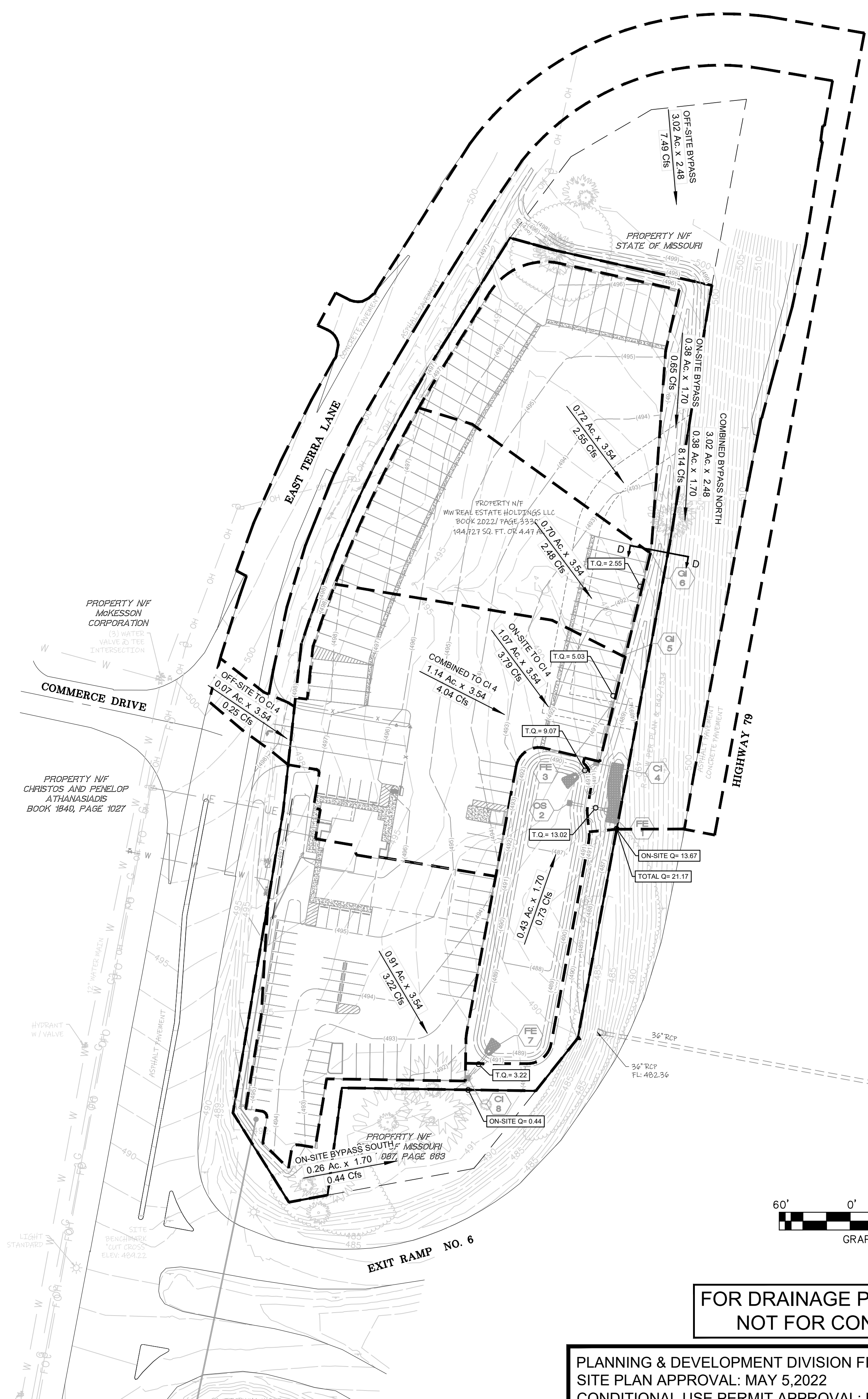
Calculations
Compute by: Known Q
Known Q (cfs) = 8.14



EXISTING DRAINAGE AREAS



PROPOSED DRAINAGE AREAS



Call BEFORE you DIG
TOLL FREE
1-800-344-7483
MISSOURI ONE-CALL SYSTEM, INC.

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING AND/OR CONSTRUCTION OF IMPROVEMENTS.

PLANNING & DEVELOPMENT DIVISION FILE NUMBER: 22-003084
SITE PLAN APPROVAL: MAY 5, 2022
CONDITIONAL USE PERMIT APPROVAL: MAY 12, 2022

PROPERTY OWNER: MW REAL ESTATE HOLDINGS LLC
1601 W. OLD RTE 66
STAFFORD MO, 65757

CONSTRUCTION PLANS
TRANSLAND TRUCKING
3480 E. TERRA LANE
O'FALLON MO, 63366
DRAINAGE AREA MAPS

ST. CHARLES ENGINEERING & SURVEYING, INC.
801 S. FIFTH STREET, SUITE 202
ST. CHARLES, MO 63301
TEL: (636) 947-0607 FAX: (636) 947-2448

ST. CHARLES ENGINEERING AND SURVEYING, INC.
A PROFESSIONAL ENGINEERING AND SURVEYING CORPORATION
MISSOURI STATE CERTIFICATE OF AUTHORITY - 001647 & 000379

S | C | E | S

STATE OF MISSOURI
MICHAEL NEWELL
MEMBER
NUMBER
E-22483
PROFESSIONAL ENGINEER

FOR DRAINAGE PURPOSES ONLY.
NOT FOR CONSTRUCTION!

ORDER NO. 2022032
DATE 02/07/2023

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