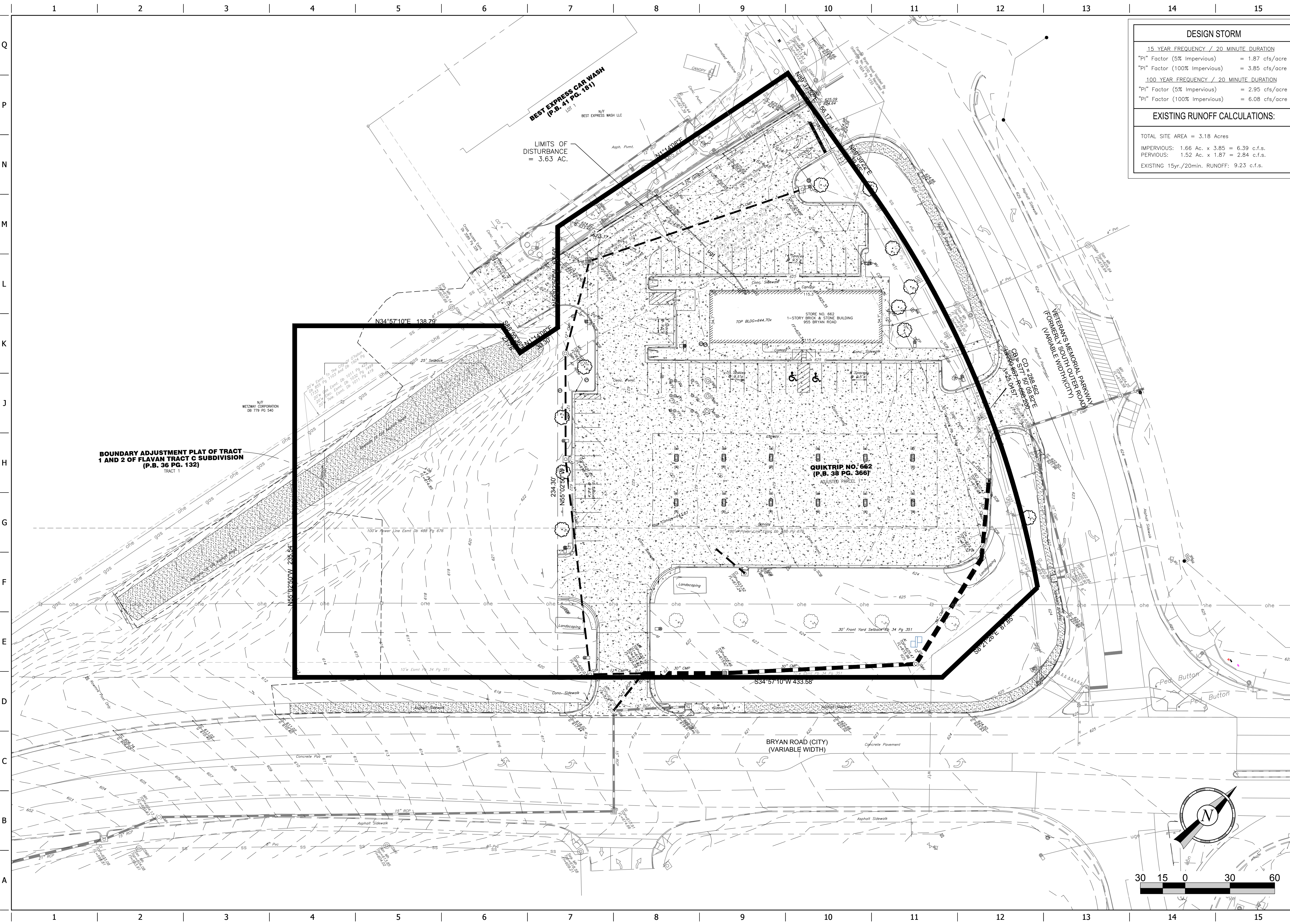


FILE LOCATION: \\161105 - QuikTrip #662 - Bryan Road and Veterans Memorial Parkway\Civil\06-0662\Civil.dwg TAB NAME: C400 Pre Dev Map USER: rkryer SAVE DATE: 12/12/2018 11:52 AM PLOTTED DATE: 12/12/2018 12:41 PM



DESIGN STORM	
15 YEAR FREQUENCY / 20 MINUTE DURATION	
"Pi" Factor (5% Impervious)	= 1.87 cfs/acre
"Pi" Factor (100% Impervious)	= 3.85 cfs/acre
100 YEAR FREQUENCY / 20 MINUTE DURATION	
"Pi" Factor (5% Impervious)	= 2.95 cfs/acre
"Pi" Factor (100% Impervious)	= 6.08 cfs/acre
EXISTING RUNOFF CALCULATIONS:	
TOTAL SITE AREA = 3.18 Acres	
IMPERVIOUS: 1.66 Ac. x 3.85 = 6.39 c.f.s.	
PERVIOUS: 1.52 Ac. x 1.87 = 2.84 c.f.s.	
EXISTING 15yr./20min. RUNOFF: 9.23 c.f.s.	

PROJECT NO. 161105

NAME: MICHAEL J. VELLOFF
 LICENSE NUMBER: E-2000161862
 DISCIPLINE: CIVIL
 CORPORATION AUTHORITY NUMBER: 001194

THE SEAL OF MICHAEL J. VELLOFF ON THIS DRAWING APPLIES ONLY TO THE CIVIL/SITE ENGINEERING SHOWN. IT DOES NOT APPLY, NOR IS ANY RESPONSIBILITY TAKEN FOR ENVIRONMENTAL, GEOTECHNICAL (INCLUDING BUT NOT LIMITED TO SLOPE STABILITY), STRUCTURAL, HVAC, PLUMBING, ELECTRICAL, FIRE PROTECTION, TRAFFIC ENGINEERING, SURVEYING (BOUNDARY AND TOPOGRAPHIC), OR ARCHITECTURAL (BUILDING OR LANDSCAPE).

QuikTrip No. 0662

955 BRYAN ROAD
 OFALLAN, MO 63366

QT

© COPYRIGHT QUIKTRIP CORPORATION 2011
 ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-94-01
DIVISION: 06
VERSION: 001
DESIGNED BY: RKF
DRAWN BY: RKF
REVIEWED BY: MJV

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 06/18/18

SHEET TITLE:
 PRE-DEVELOPED DRAINAGE MAP

SHEET NUMBER:
C400

