

N/F  
WILLIAM T. DAVIS REVOCABLE  
TRUST  
PARCEL ID #  
2-0056-5027-00-0009.0100000  
DEED BOOK 5085 PAGE 1393

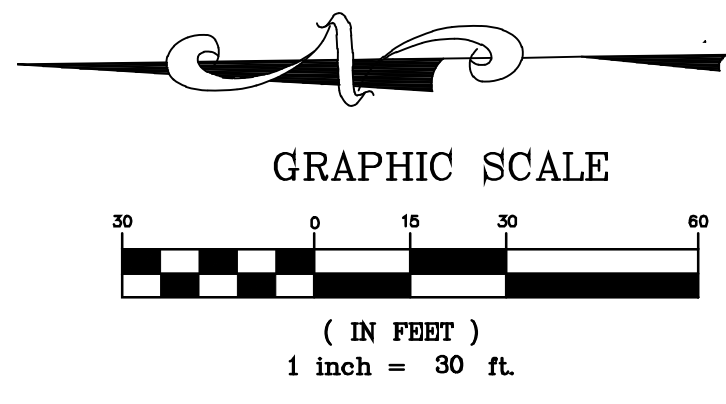
N/F  
4G FACILITY LLC  
PARCEL ID #  
2-0056-9203-00-0001.1000000  
DEED BOOK 6881 PAGE 1369

**DIFFERENTIAL RUNOFF CALCULATIONS**  
15-YEAR, 20 MIN STORM

EXISTING CONDITION:			
BUILDING AREA	2.20 ac. x 3.54 c.f.s./ac.	=	7.79 c.f.s.
PAVEMENT AREA	2.59 ac. x 3.54 c.f.s./ac.	=	9.17 c.f.s.
GRAVEL AREA	0.17 ac. x 3.17 c.f.s./ac.	=	0.54 c.f.s.
GRASS AREA	12.27 ac. x 1.70 c.f.s./ac.	=	20.86 c.f.s.
	17.23 ac.	=	38.36 c.f.s.
PROPOSED CONDITION:			
BUILDING AREA	3.54 ac. x 3.54 c.f.s./ac.	=	12.53 c.f.s.
PAVEMENT AREA	2.83 ac. x 3.54 c.f.s./ac.	=	10.02 c.f.s.
PERVIOUS PAVEMENT	0.12 ac. x 1.70 c.f.s./ac.	=	0.20 c.f.s.
GRAVEL AREA	0.14 ac. x 3.17 c.f.s./ac.	=	0.44 c.f.s.
GRASS AREA	17.23 ac. x 1.70 c.f.s./ac.	=	29.29 c.f.s.
	23.86 ac.	=	42.47 c.f.s.
DIFFERENTIAL RUNOFF:	41.21 c.f.s. - 38.36 c.f.s.	=	2.85 c.f.s. (INCREASE)

**DIFFERENTIAL RUNOFF CALCULATIONS**  
100-YEAR, 20 MIN STORM

EXISTING CONDITION:			
BUILDING AREA	2.20 ac. x 4.77 c.f.s./ac.	=	10.49 c.f.s.
PAVEMENT AREA	2.59 ac. x 4.77 c.f.s./ac.	=	12.35 c.f.s.
GRAVEL AREA	0.17 ac. x 4.28 c.f.s./ac.	=	0.73 c.f.s.
GRASS AREA	12.27 ac. x 2.29 c.f.s./ac.	=	28.10 c.f.s.
	17.23 ac.	=	51.67 c.f.s.
PROPOSED CONDITION:			
BUILDING AREA	3.54 ac. x 4.77 c.f.s./ac.	=	16.89 c.f.s.
PAVEMENT AREA	2.83 ac. x 4.77 c.f.s./ac.	=	13.50 c.f.s.
PERVIOUS PAVEMENT	0.12 ac. x 2.29 c.f.s./ac.	=	0.27 c.f.s.
GRAVEL AREA	0.14 ac. x 4.28 c.f.s./ac.	=	0.60 c.f.s.
GRASS AREA	17.23 ac. x 2.29 c.f.s./ac.	=	39.47 c.f.s.
	23.86 ac.	=	55.53 c.f.s.
DIFFERENTIAL RUNOFF:	55.53 c.f.s. - 51.67 c.f.s.	=	3.86 c.f.s. (INCREASE)

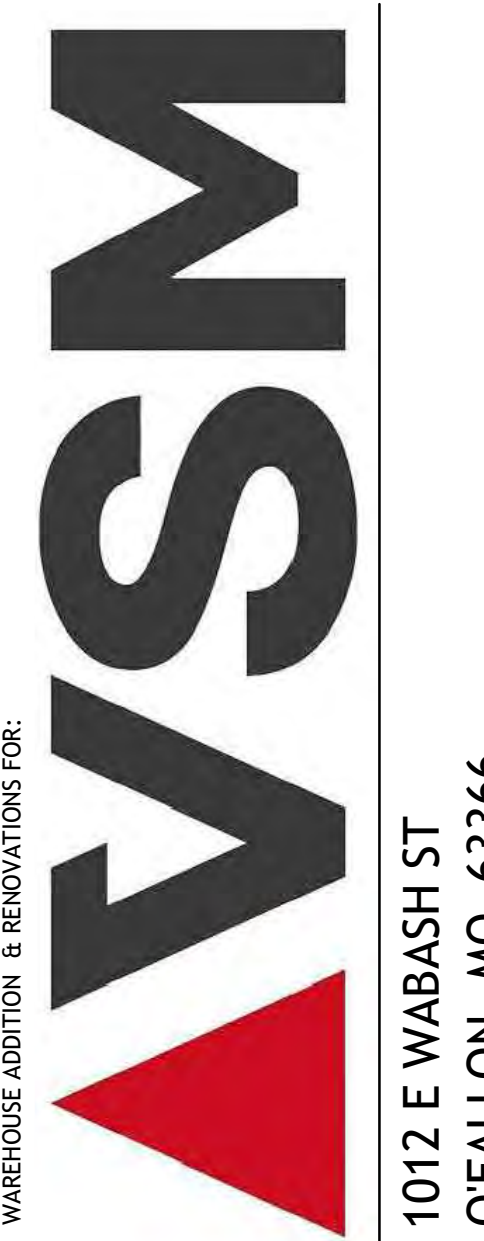


ARCHITECT:  
Mitchell and Hageback Architects, Inc.  
D.B.A. M+H Architects  
2150 Schuetz Road, Suite 200  
St. Louis, Missouri 63146  
314-878-3500  
www.mha.us.com  
Corporate License No.: 000614

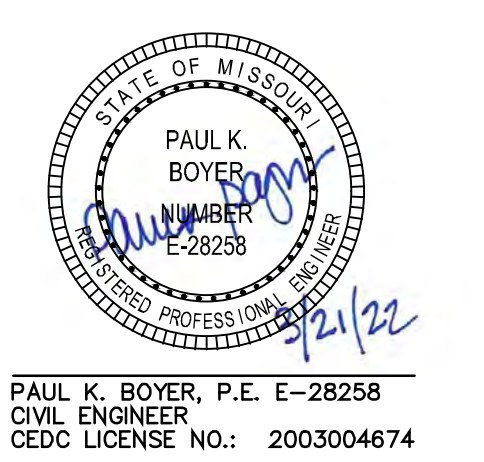
CONSULTANTS:  
Civil:  
Civil Engineering Design Consultants, Inc.  
10820 Sunset Office Drive, Suite 200  
St. Louis, MO 63127  
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Corporate License No.: 2003004674

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SSC Engineering, Inc.  
18207 Edison Ave.  
St. Louis, MO 63005  
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Corporate License No.: 001244

MEP:  
(Design - Build)



WAREHOUSE ADDITION & RENOVATIONS FOR:  
1012 E WABASH ST  
OF FALLON, MO 63366

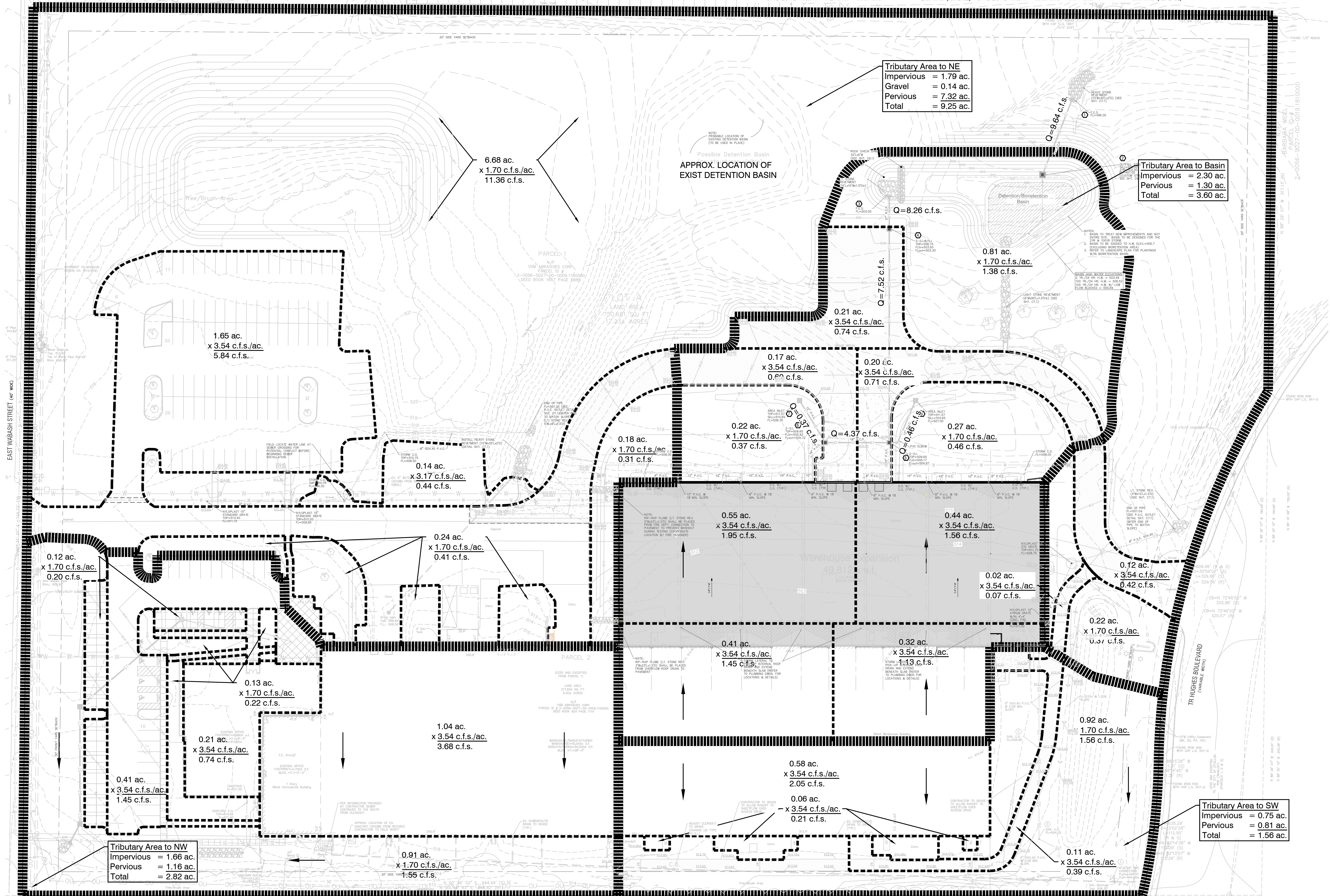


DESCRIPTION:  
01/05/22 Construction Site Plan Submittal  
01/14/22 Permit / Bid Set  
02/24/22 City comments  
03/21/22 City comments

Issue Date: 01/14/22  
Job Number: 1981.1  
Drawn By: PKB  
Checked By: PKB  
Drawing Title:

Proposed Inlet  
Drainage Area Plan

C10.2



N/F  
KAPLAN DEVELOPMENT AND  
INVESTMENT CO.  
PARCEL ID #