FIRE FLOW DATA:

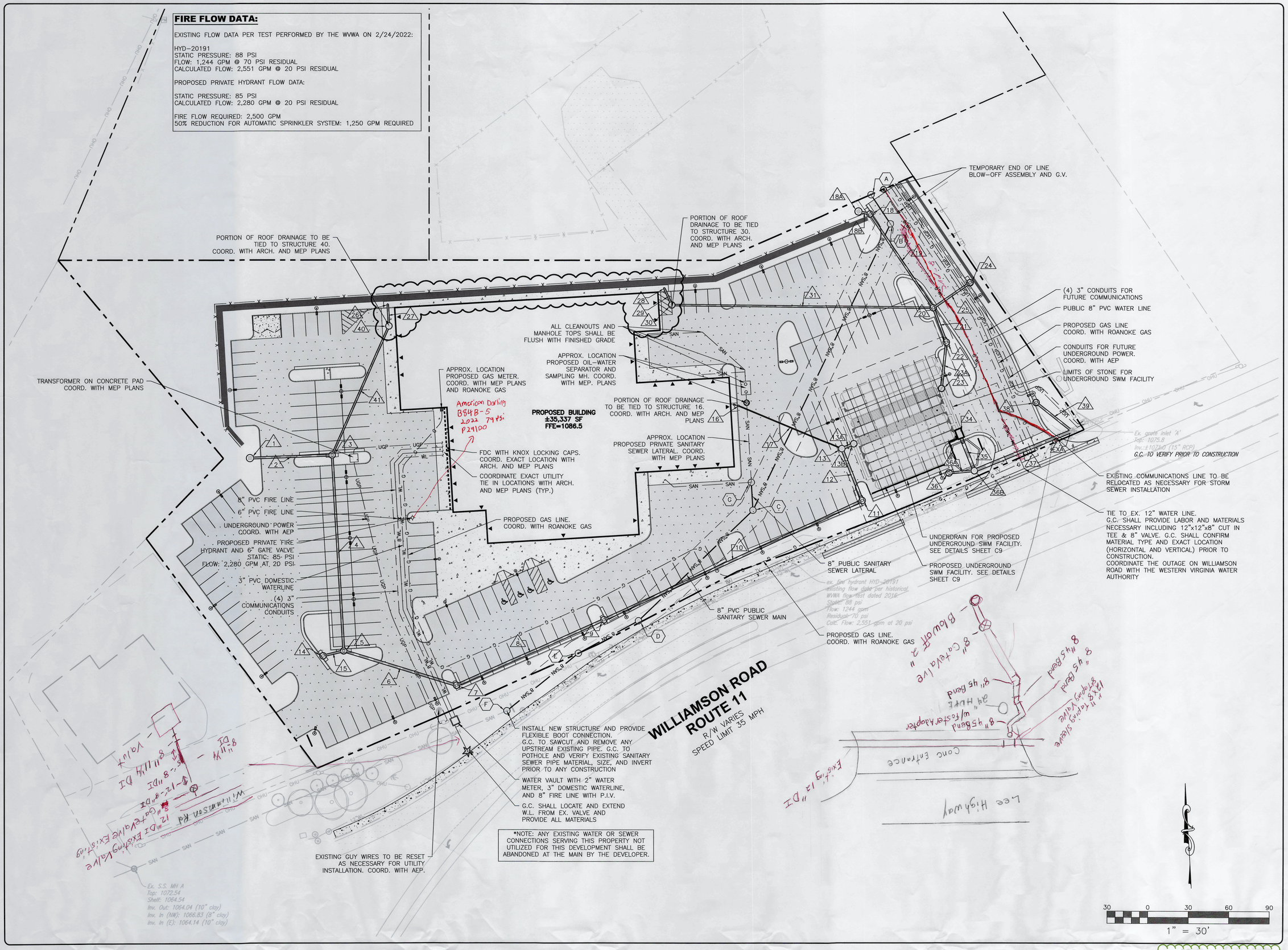
EXISTING FLOW DATA PER TEST PERFORMED BY THE WVWA ON 2/24/2022:

HYD–20191
STATIC PRESSURE: 88 PSI
FLOW: 1,244 GPM @ 70 PSI RESIDUAL
CALCULATED FLOW: 2,551 GPM @ 20 PSI RESIDUAL

PROPOSED PRIVATE HYDRANT FLOW DATA:

STATIC PRESSURE: 85 PSI
CALCULATED FLOW: 2,280 GPM @ 20 PSI RESIDUAL

FIRE FLOW REQUIRED: 2,500 GPM
50% REDUCTION FOR AUTOMATIC SPRINKLER SYSTEM: 1,250 GPM REQUIRED



*NOTE: ANY EXISTING WATER OR SEWER CONNECTIONS SERVING THIS PROPERTY NOT UTILIZED FOR THIS DEVELOPMENT SHALL BE ABANDONED AT THE MAIN BY THE DEVELOPER.

BALZER & ASSOCIATES
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COMMONWEALTH OF VIRGINIA
CHRISTOPHER P. BURNS
Lic. No. 47338
3/27/2023
PROFESSIONAL ENGINEER

PERMIT APPROVED Set 3-29-23
Hodgen Construction

SOUTHERN TEAM HYUNDAI

UTILITY PLAN

7300 WILLIAMSON ROAD
ROANOKE COUNTY, VIRGINIA

DRAWN BY	KAM
DESIGNED BY	BTC
CHECKED BY	BTC
DATE	5/16/2022
SCALE	1" = 30'
REVISIONS	
7/15/2022	
8/10/2022	
2/23/2023 PR#1	

C5

PROJECT NO. 04220008.00

APPROVED 3/29/2023

J:\2020\04042000\8.00 - SOUTHERN TEAM HYUNDAI\CIVIL\dwg\04220008.00 Field Revision 1 2023-2-23.dwg PLOTTED: 3/27/2023 8:00:48 AM