

SANITARY SEWER SCHEDULE:

- BLDG. (A) 5 LF OF 6" SDR-35 PVC AT 2.00%
ONLY AT BLDG. 1078.50
- (B) PRIVATE S.S. C.O.
TOP: 1083.35
INV. IN: 1078.50
- (C) 98 LF OF 6" SDR-35 PVC AT 2.04%
TOP: 1080.94
INV. IN: 1076.50
- (D) PRIVATE S.S. C.O. WITH TRAFFIC BEARING LID
TOP: 1080.94
INV. IN: 1076.50
- (E) 52 LF OF 6" SDR-35 PVC AT 6.72%

NOTES:

- G.C. TO CONFIRM & COORDINATE ALL BUILDING TIE-IN LOCATIONS WITH M.E.P. AND ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION OF LATERALS.
- G.C. TO CONFIRM ALL TIE-IN LOCATIONS TO EXISTING LINES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- G.C. SHALL ENSURE MIN. 1.04% SLOPE FOR 6" SANITARY LATERAL.

STORM STRUCTURE SCHEDULE:

- △ VDOT STD DI-1
TOP: 1082.25
INV. OUT (STR. 2): 1078.10
- △ VDOT STD DI-3C (6" THROAT)
TOP: 1081.53
INV. IN (STR. 2): 1077.30
INV. IN (STR. 12): 1077.50
INV. IN (6" UNDERDRAIN): 1077.50
INV. OUT (STR. 4): 1077.20
- △ 40 LF OF 15" CL. III ROP AT 3.01%
- EX. MANHOLE
TOP AND INVERTS PER PLANS FOR CITY OF ROANOKE PROJECT CP18-0029. G.C. TO VERIFY EXACT LOCATION AND ELEVATIONS PRIOR TO ANY CONSTRUCTION. TOP TO BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINISHED GRADE
TOP: 1082.00
NEW INV. IN (STR. 4): 1076.00
EX. INV. IN: 1076.00
EX. INV. IN: 1077.00
EX. INV. OUT: 1075.90
- △ VDOT STD DI-3C (6" THROAT)
TOP: 1081.20
INV. OUT (STR. 6): 1075.70
- △ 121 LF OF 15" TYPE S HOPE AT 3.05%
- △ VDOT STD DI-3C (6" THROAT)
TOP: 1080.30
INV. IN (STR. 6): 1072.00
INV. OUT (STR. 8): 1071.90
- △ 35 LF OF 15" TYPE S HOPE AT 2.26%
- △ VDOT STD DI-3C (6" THROAT)
TOP: 1080.70
INV. IN (STR. 8): 1071.10
INV. OUT (STR. 10): 1071.00
- △ 21 LF OF 15" CL. III ROP AT 2.43%
- EX. MANHOLE
TOP AND INVERTS PER PLANS FOR CITY OF ROANOKE PROJECT CP18-0029. G.C. TO VERIFY EXACT LOCATION AND ELEVATIONS PRIOR TO ANY CONSTRUCTION. TOP TO BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINISHED GRADE
TOP: 1078.80
NEW INV. IN (STR. 10): 1070.50
EX. INV. IN: 1070.30
EX. INV. OUT: 1070.20

- NOTES:
- VDOT STD IS-1 INLET SHAPING SHALL BE PROVIDED IN ALL PROPOSED STRUCTURES.
 - NON-SHRINK GROUT SHALL BE USED FOR ALL STORM SEWER PIPE CONNECTIONS.

P19276
American Darling
B84B-5
2023
90 PSI

FIRE FLOW DATA:

FLOW DATA PER TEST PERFORMED BY THE WWA ON 7/22/2022:

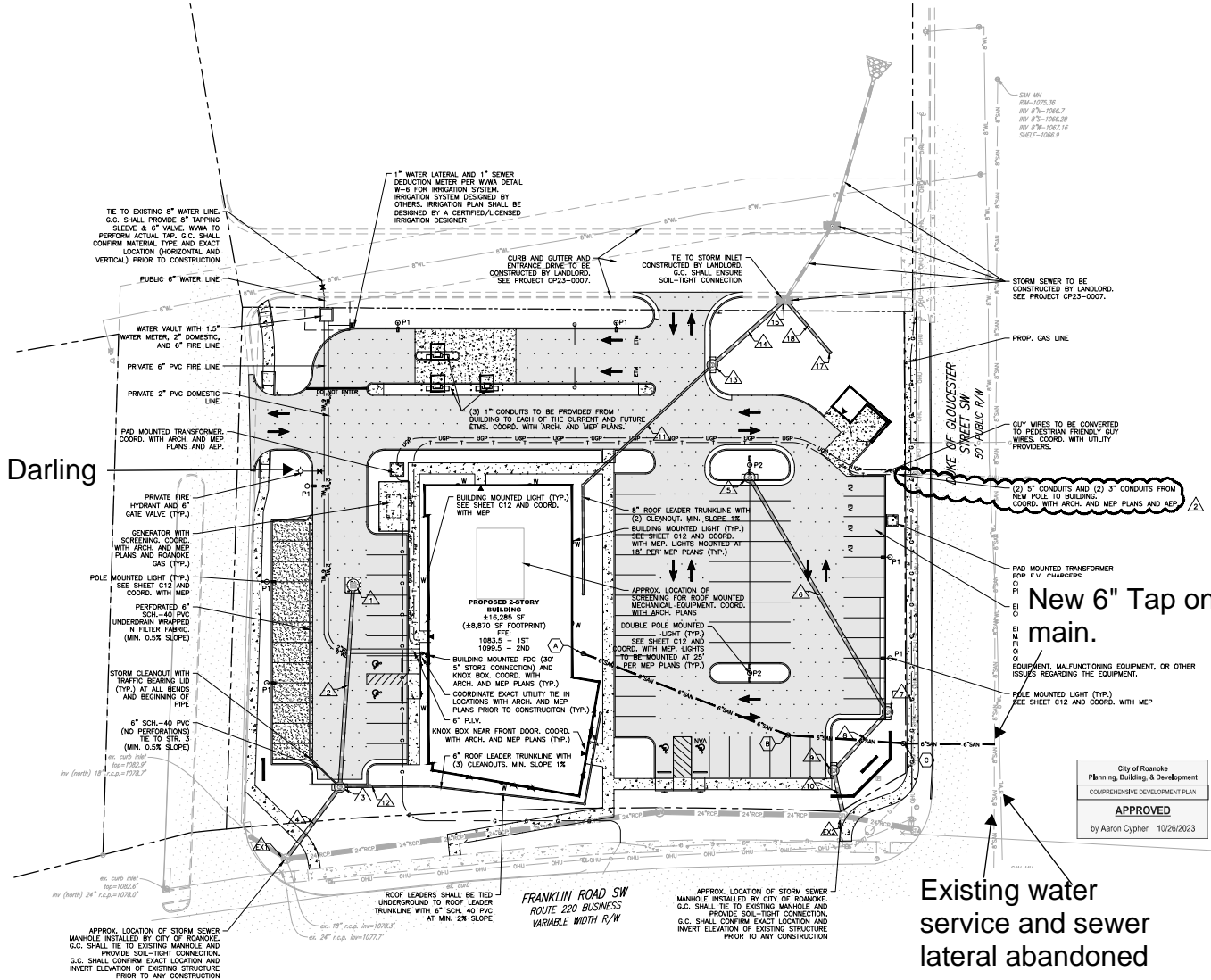
HYD-11055
STATIC PRESSURE: 109 PSI
FLOW: 2,398 GPM @ 75 PSI RESIDUAL
CALCULATED FLOW: 2,399 GPM @ 20 PSI RESIDUAL
PROPOSED PRIVATE HYDRANT FLOW DATA:
STATIC PRESSURE: 104 PSI
CALCULATED FLOW: 2,150 GPM @ 20 PSI RESIDUAL
FIRE FLOW REQUIRED: 2,000 GPM

CONDUIT SCHEDULE:

- (2) 5" PVC CONDUIT FROM RELOCATED UTILITY POLE TO PAD MOUNTED TRANSFORMER
 - (2) 5" PVC CONDUIT FROM PAD MOUNTED TRANSFORMER TO BUILDING ELECTRICAL METER - COORD. EXACT LOCATION WITH ARCH. AND MEP PLANS
 - (3) 2" PVC CONDUIT FOR COMMUNICATIONS - COORD. EXACT BUILDING TIE-IN LOCATION WITH ARCH. AND MEP PLANS
- CONDUIT SHALL BE PROVIDED FOR CURRENT AND FUTURE ETMS MACHINES AND ALL ON-SITE SIGNAGE. COORD. WITH ARCH. AND MEP PLANS.

UTILITY NOTES:

- G.C. SHALL COORDINATE THE EXACT SANITARY SEWER, WATER, AND STORM SEWER BUILDING TIE-IN LOCATIONS WITH THE ARCHITECTURAL PLANS.
- ALL UTILITY SERVICE LATERALS OR LINES, INCLUDING ELECTRIC, SHALL BE INSTALLED UNDERGROUND PER SECTION 362-410. WATER & SEWER CONNECTIONS SHALL CONFORM TO WWA UTILITY STANDARDS AND INTERNATIONAL BUILDING CODE.
- THE G.C. SHALL COORDINATE TEMPORARY POWER FOR THE PROPOSED BUILDING AS REQ'D.
- G.C. SHALL PROVIDE ALL REQUIRED COORDINATION, MATERIALS, AND INSTALLATION TIMING BETWEEN AEP, ROANOKE GAS, AND OTHER PROVIDERS.
- NEW PRIVATE FIRE HYDRANT SHALL HAVE A 5" STORM CONNECTION (SEE DETAIL W-17 ON SHEET C10)
- FDC SHALL HAVE A 30 DEGREE ELBOW WITH LOCKING KNOX BOX CAPS
- ALL EXTERIOR POLE MOUNTED LIGHTS SHALL BE MOUNTED AT A HEIGHT OF 25' OR LESS. COORDINATE WITH MEP PLANS.



New 6" Tap on sewer
main.

Existing water
service and sewer
lateral abandoned

"WORK IN THE PUBLIC RIGHT OF WAY AREA SHALL
BE PERFORMED PER THE CITY OF ROANOKE RIGHT OF
WAY EXCAVATION & RESTORATION STANDARDS. G.C.
SHALL OBTAIN A R.O.W. EXCAVATION PERMIT PRIOR TO
ANY WORK IN THE PUBLIC RIGHT OF WAY."

