SANITARY SEWER SCHEDULE:

BLDG. (A) 5 LF OF 6" SDR-35 PVC AT 2.00%
(INV. AT BLDG. 1078.60)

(A) PRIVATE S.S. C.O.
TOP= 1083.35
INV.= 1078.50

(A) (B) 98 LF OF 6" SDR-35 PVC AT 2.04%

(B) PRIVATE S.S. C.O. WITH TRAFFIC BEARING LID
TOP= 1080.94
INV.= 1076.90

(B) (C) 52 LF OF 6" SDR-35 PVC AT 6.73%

(C) PUBLIC S.S. C.O.
TOP= 1077.80
INV.= 1072.00

(C) (D) 40 LF OF 6" SDR-26 PVC AT 5.25%
APPROX. INV. AT EX MAIN: 1068.50
G.C. TO VERIFY EX. INVERT ELEVATION PRIOR TO CONSTRUCTION

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

STORM STRUCTURE SCHEDULE:

1 VDOT STD DI-1
TOP= 1080.25
INV. OUT (STR. 2): 1078.10

2 90 LF OF 15" TYPE S HDPE AT 0.89%

3 VDOT STD DI-3C (6' THROAT)
TOP= 1081.63
INV. IN (STR. 2): 1077.30
INV. IN (STR. 12): 1077.50
INV. IN (6" UNDERDRAIN): 1077.50
INV. OUT (STR 4): 1077.20

4 40 LF OF 15" CL. III RCP AT 3.01%

5 EX. MANHOLE
TOP AND INVERTS PER PLANS FOR CITY OF ROANOKE PROJECT CP18-0026. 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: 1077.60
EX. INV OUT: 1075.90

6 VDOT STD DI-3C (6' THROAT)
TOP= 1081.20
INV. OUT (STR 6): 1075.70

7 121 LF OF 15" TYPE S HDPE AT 3.05%

8 VDOT STD DI-3C (6' THROAT)
TOP= 1080.30
INV. IN (STR. 6): 1072.00
INV. OUT (STR. 8): 1071.90

9 35 LF OF 15" TYPE S HDPE AT 2.26%

10 VDOT STD DI-3C (6' THROAT)
TOP= 1080.70
INV. IN (STR. 8): 1071.10
INV. OUT (STR 10): 1071.00

11 21 LF OF 15" CL. III RCP AT 2.43%

12 EX. MANHOLE
TOP AND INVERTS PER PLANS FOR CITY OF ROANOKE PROJECT CP18-0026. 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=1079.80
NEW INV IN (STR. 10): 1070.50
EX. INV IN: 1070.30
EX. INV OUT: 1070.20

13 ROOFDRAIN TRUNKLINE
127 LF OF 6" TYPE S HDPE AT MIN. 1%
WITH (2) CLEANOUT
INV. OUT: 1077.60

14 ROOFDRAIN TRUNKLINE
151 LF OF 6" TYPE S HDPE AT MIN. 1%
WITH (3) CLEANOUT
INV. OUT: 1077.50

15 VDOT DI-3C (6' THROAT)
TOP: 1082.10
INV. IN (STR 11): 1077.60
INV. OUT (STR 14): 1077.50

16 43 LF OF 15" TYPE S HDPE AT 1.15%

17 PROPOSED STORM STRUCTURE BY LANDLORD.
NEW INV IN: 1077.00 (STR. 14)
NEW INV IN: 1077.00 (STR. 18)

18 STRUCTURE OMITTED

19 12" NYLOPLAST YARD INLET (DOME TOP)
TOP: 1080.50
INV. OUT (STR 18): 1078.00

20 31 LF OF 12" TYPE S HDPE AT 3.23%

NOTES:
1. VDOT STD IS-1 INLET SHAPING SHALL BE PROVIDED IN ALL PROPOSED STRUCTURES.
2. 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 WVWA ON 7/22/2022:

HYD-11058
STATIC PRESSURE: 109 PSI
FLOW 2,399 GPM @ 76 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:

1. G.C. SHALL COORDINATE THE EXACT SANITARY SEWER, WATER, AND STORM SEWER BUILDING TIE-IN LOCATIONS WITH THE ARCHITECTURAL PLANS.

2. ALL UTILITY SERVICE LATERALS OR LINES, INCLUDING ELECTRIC, SHALL BE INSTALLED UNDERGROUND PER SECTION 36.2-810. WATER & SEWER CONNECTIONS SHALL CONFORM TO WVWA UTILITY STANDARDS AND INTERNATIONAL BUILDING CODE.

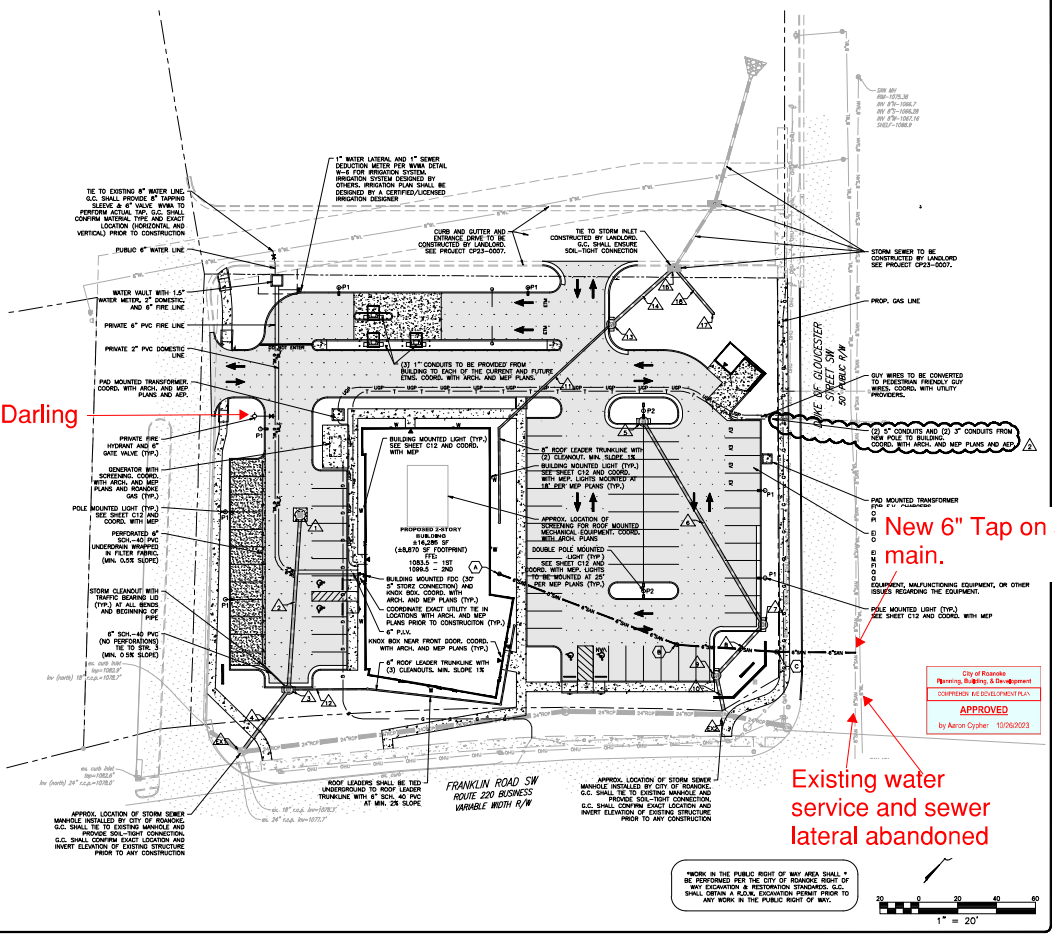
3. THE G.C. SHALL COORDINATE TEMPORARY POWER FOR THE PROPOSED BUILDING AS REQ'D.

4. G.C. SHALL PROVIDE ALL REQUIRED COORDINATION, MATERIALS, AND INSTALLATION TIMING BETWEEN AEP, ROANOKE GAS, AND OTHER PROVIDERS.

5. NEW PRIVATE FIRE HYDRANT SHALL HAVE A 5" STORZ CONNECTION (SEE DETAIL W-17 ON SHEET C10)

6. FDC SHALL HAVE A 30 DEGREE ELBOW WITH LOCKING KNOX BOX CAPS

7. ALL EXTERIOR POLE MOUNTED LIGHTS SHALL BE MOUNTED AT A HEIGHT OF 25' OR LESS. COORDINATE WITH MEP PLANS.



BALZER & ASSOCIATES
PLANNERS / ARCHITECTS
ENGINEERS / SURVEYORS
Roanoke / Richmond
New River Valley
Shenandoah Valley
www.balzer.cc
1206 Corporate Circle
Roanoke, VA 24018
540.772.2580

CHRISTOPHER P. BURKE
Lic. No. 3709
10/16/2023

EGIONAL HEADQUARTERS AND ROANOKE BRANCH

RIDGE VIEI

UTILITY PLA

3539 FRANKLIN RD
CITY OF ROANOKE, VIRGINIA

DRAWN BY	KAM
DESIGNED BY	KAM
CHECKED BY	CPB
DATE	8/31/2023
SCALE	1" = 20'
REVISIONS	
9/25/2023 ADDENDUM 2	2
10/16/2023	

C5

PROJECT NO. E4233084(3)