

1. NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER AND CITY OF ROANOKE PLANNING, BUILDING, AND DEVELOPMENT DEPARTMENT.
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
3. ALL YARD SWALES SHALL TRANSITION INTO SHEET FLOW WHERE APPLICABLE.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OR EXISTING UTILITIES ARE LOCATED DURING THE GRADING PROCESS FOR THE SITE.
6. PROPOSED CONCRETE PUBLIC SIDEWALK SHALL HAVE A 2% CROSS SLOPE IN ACCORDANCE WITH CITY OF ROANOKE STANDARDS.
7. 100-YR. FLOOD ELEVATION= 920.50

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smth #1  
  RIM=917.17'  
  CENTER INV=903.11'  
  
smth #2  
  RIM=916.77'  
  E. INV OUT=904.05'  
  
smth #3  
  RIM=917.19'  
  INV (BLOCKED)=913.79'  
  W. INV (BLOCKED)=913.68'  
  SHELF=913.97'  
  
smth #4  
  RIM=917.51'  
  NEW TOP=918.4'  
  
smth #5  
  RIM=918.21'  
  NEW TOP=918.4'  
  CENTER INV=909.51'  
  
smth #6  
  RIM=918.05'  
  CENTER INV=909.17'  
  
smth #7  
  RIM=918.53'  
  W. INV IN=909.04'  
  E. INV OUT=908.84'  
  SHELF=910.32'
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strmh #1
 RIM=917.88'
 CENTER INLET = 906.64'

 strmh #2
 RIM=918.46'
 CENTER INLET = 905.41'

 strmh #3
 RIM=918.10'
 CENTER INLET = 905.56'

 strmh #4
 RIM=917.33'
 CENTER INLET = 905.90'

 strmh #5
 RIM=917.38'
 CENTER INLET = 907.76'

 strmh #6
 RIM=918.16'
 CENTER INLET = 906.95'

 strmh #7
 RIM=918.42'
 CENTER INLET = 906.50'

 strmh #8
 RIM=918.11'
 CENTER INLET = 905.97'

 strmh #9
 RIM=918.60'
 CENTER INLET = 906.54'

 grate inlet #1
 RIM=916.18'
 CENTER INLET = 912.68'

 grate inlet #2
 RIM=916.18'
 CENTER INLET = 915.90'

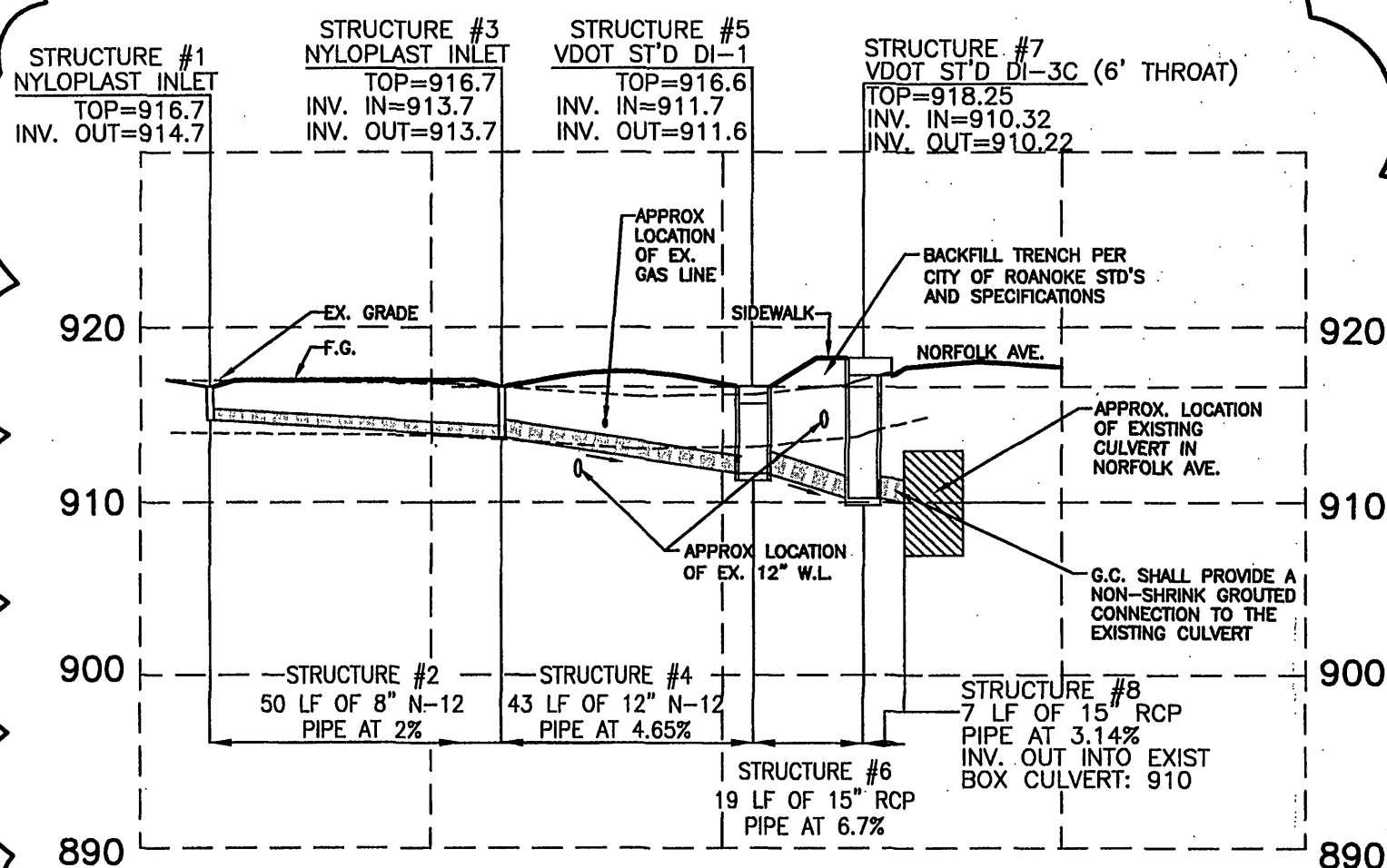
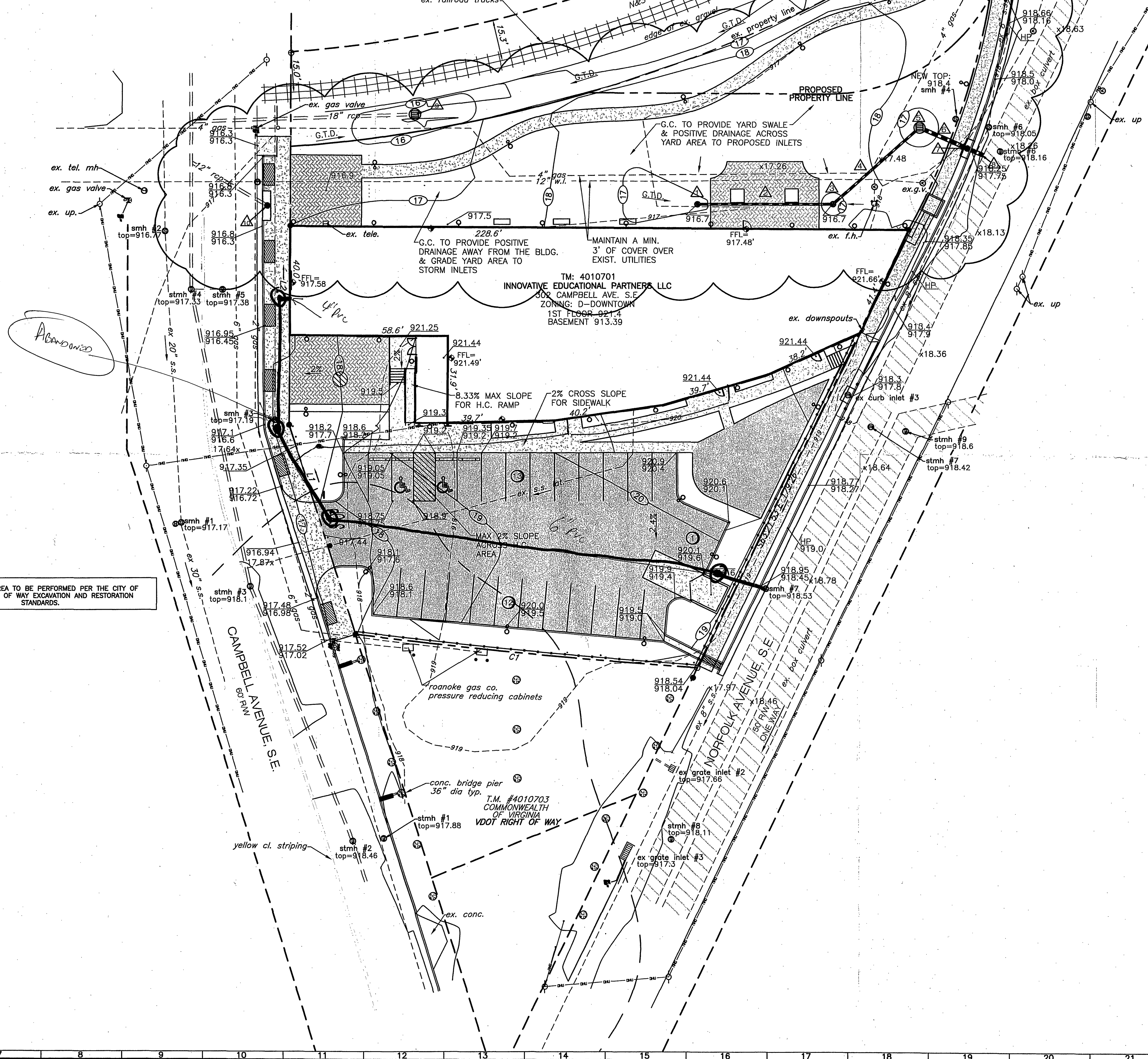
 grate inlet #3
 RIM=917.30'
 CENTER INLET = 915.28'

 curb inlet #1
 RIM=916.54'
 CURB INLET = 910.94'

 curb inlet #2
 RIM=918.16'
 CENTER INLET = 915.01'

 curb inlet #3
 RIM=918.65'
 CENTER INLET = 915.40'

1 NYLOPLAST INLET W/12" GRATE
 TOP=916.7
 INV OUT=914.7
 2 50 LF OF 8" N-12
 PIPE AT 2%
 3 NYLOPLAST INLET W/12" GRATE
 TOP=916.7
 INV IN=913.7
 INV OUT=913.7
 4 43 LF OF 12" N-12
 HDPE PIPE AT 4.65%
 5 VDOT ST'D DI-1
 TOP=916.6
 INV IN=911.7
 INV OUT=911.6
 6 19 LF OF 15" RCP
 PIPE AT 6.7%
 7 VDOT ST'D DI-3C (6' THROAT)
 TOP=918.25
 INV IN=910.32
 INV OUT=910.22
 8 7 LF OF 15" RCP
 PIPE AT 3.14%
 INV. OUT INTO EXIST
 BOX CULVERT: 910
 9 CONVERT DI-3B TOP TO
 DI-1 TOP
 NEW TOP:915.5
 10 CONVERT DROP INLET TOP TO
 VDOT ST'D DI-3C (10' THROAT)
 TOP=916.75



1"=30' HORIZONTAL
1"=10' VERTICAL

NOTE: G.C. TO PROVIDE NECESSARY
TRENCH BOXES FOR CONSTRUCTION AND
COMPLY WITH ALL OSHA STANDARDS AND
PROCEDURES



(IN FEET)
1 inch = 20 ft.

WORK IN THIS AREA TO BE PERFORMED PER THE CITY OF
ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION
STANDARDS.

N/F
CPR ROANOKE HDL, LLC.
INST. #080010140
T.M. #4010601
BASED UPON SURVEY
RECORDED IN
D.B. 1602, PG. 1097

TM: 4010701
INNOVATIVE EDUCATIONAL PARTNERS L.L.C.
302 CAMPBELL AVE. S.E.
ZONING: D-DOWNTOWN
1ST FLOOR 021.4
BASEMENT 913.39

BALZER
AND ASSOCIATES INC.
BUTNER
REFLECTING TOMORROW

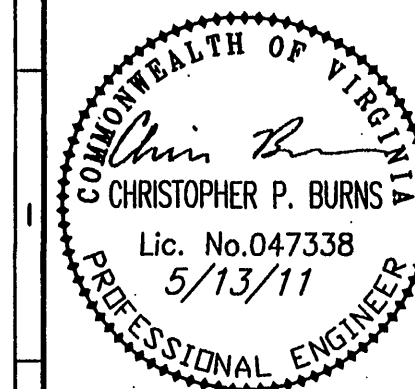
www.balzer.cc

New River Valley
Richmond
Roanoke
Shenandoah Valley

RESIDENTIAL LAND DEVELOPMENT ENGINEERING
SITE DEVELOPMENT ENGINEERING
LAND USE PLANNING & ZONING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
ARCHITECTURE
STRUCTURAL ENGINEERING
GEOTECHNICAL ENGINEERING
TRANSPORTATION ENGINEERING
ENVIRONMENTAL & SOIL SCIENCE
WETLAND DELINEATIONS & STREAM EVALUATION

Balzer and Associates, Inc.

1208 Corporate Circle
Roanoke, VA 24018
540-772-9580
FAX 540-772-8050



	F	G	
	302 Campbell Ave S.E.		

302 Campbell	FL
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CITY OF ROANOKE, VIRGINIA

D	DRAWN BY	BTC
	DESIGNED BY	BTC
	CHECKED BY	CPB
	DATE	11/8/10
C	SCALE	1"=20'

REVISIONS:
2/24/11
3/17/11
F.R. #1 5-13-13

RECEIVED

MAY 16 2011
Received
WVWA - Engine

SHEET NO.

A C-04

JOB NO. R1000012.00