

# LAYOUT PLAN NOTES:

- NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER, ROANOKE COUNTY & VDOT.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- EXISTING PAVEMENT TO BE SAWCUT AT LEAST 1' FROM THE EX. EP OR THE DISTANCE REQUIRED TO REACH THE FULL DEPTH OF PAVEMENT.
- A SIGN PERMIT MUST BE OBTAINED FROM ROANOKE COUNTY PRIOR TO THE INSTALLATION OF ANY SIGNAGE ONSITE. MINIMUM SIGNAGE SETBACK SHALL BE 10' IF THE PROPOSED SIGN IS 10' TALL OR LESS. OTHERWISE, MINIMUM SETBACK SHALL BE 15' IF THE PROPOSED SIGN IS IN EXCESS OF 10' IN HEIGHT.
- ANY EXTERIOR LIGHTING FIXTURES SHALL BE DESIGNED, LOCATED, AND ARRANGED SO AS NOT TO DIRECT GLARE ON ADJOINING STREETS OR RESIDENTIAL PROPERTIES. THE LIGHTING INTENSITY AT ADJOINING RESIDENTIAL PROPERTIES SHALL NOT EXCEED 0.5 FOOT CANDLES.
- A PHOTOMETRIC PLAN SHALL BE SUBMITTED TO ROANOKE COUNTY FOR REVIEW AND APPROVAL BY THE LIGHTING CONTRACTOR AS REQUIRED FOR ANY PROPOSED LIGHTING. (SEE PLAN SHEET C12)
- ALL REFUSE SERVICE (DUMPSTERS/CONTAINERS) AND OUTDOOR STORAGE IN ALL ZONING DISTRICTS SHALL BE SCREENED FROM SURROUNDING VIEWS. IN ADDITION, PROPOSED GROUND LEVEL AND ROOFTOP MECHANICAL EQUIPMENT SHALL BE SCREENED OR LANDSCAPED FROM VIEW.
- G.C. SHALL PROVIDE A SERIES 3200 KNOX BOX AT THE ENTRY DOOR OF THE BUILDING PER COUNTY OF ROANOKE STANDARDS IN REGARDS TO MOUNTING HEIGHT AND TYPE OF KNOX BOX.
- EXISTING FIRE HYDRANT INFORMATION - WWA ID: 21647 (NORTH OF SUBJECT PROPERTY) STATIC - 96 PSI (PER WWA GIS)
- G.C. SHALL PROVIDE THE REQUIRED BACKFLOW PREVENTERS FOR THE BUILDING AS REQUIRED BY THE INTERNATIONAL BUILDING CODE & WESTERN VIRGINIA WATER AUTHORITY.
- G.C. SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER DURING THE CONSTRUCTION PROCESS. COORDINATE DIRECTLY WITH A.E.P. FOR THIS SERVICE.
- ALL SANITARY SEWER CLEANOUTS LOCATED WITHIN PAVED OR CONCRETE AREAS WITH TRAFFIC SHALL HAVE TRAFFIC BEARING CLEANOUT TOPS PROVIDED AS A MINIMUM.
- ALL CURB RADII IN PAY STATION AREA ARE 1.75' UNLESS OTHERWISE NOTED.
- G.C. SHALL COORDINATE ALL CIVIL UTILITY CONNECTIONS W/ M.E.P. & ARCH. PLANS PRIOR TO CONSTRUCTION TO ENSURE PROPER CONNECTION LOCATIONS.

## CONDUIT NOTES:

- G.C. SHALL PROVIDE (4) 4" PVC SCHEDULE 40 CONDUITS BETWEEN THE EXISTING UTILITY SERVICE AND PROPOSED SERVICE IN BUILDING. G.C. TO COORDINATE DIRECTLY WITH AEP/VERIZON/T.E.C./ETC.

## STORM STRUCTURE SCHEDULE

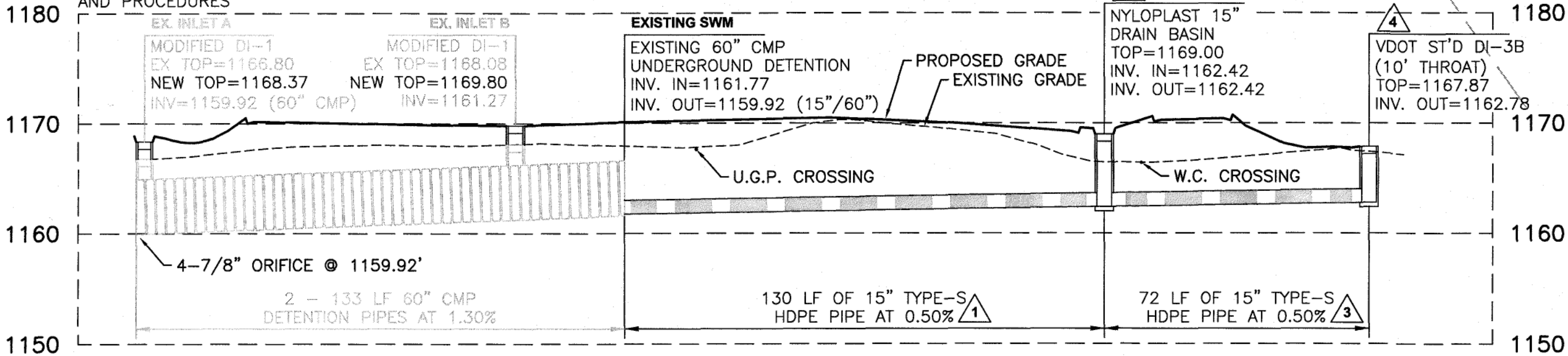
- 130 LF OF 15" TYPE S HDPE PIPE @ 0.50%
- ADS NYLOPLAST 15" DRAIN BASIN W/ 2'x2' GRATE  
TOP=1169.00  
INV IN=1162.42 (STRUCTURE 3)  
INV OUT= 1162.42 (STRUCTURE 1)
- 72 LF OF 15" TYPE S HDPE PIPE @ 0.50%
- VDOT ST'D DI-3B (10' THROAT)  
TOP=1167.87  
INV OUT=1162.78 (STRUCTURE 3)

## S.S. C.O. SCHEDULE

- TOP=1169.8  
INV=1168.9
- TOP=1170.8  
INV=1165.2
- REMOVED FROM PLAN SET
- REMOVED FROM PLAN SET

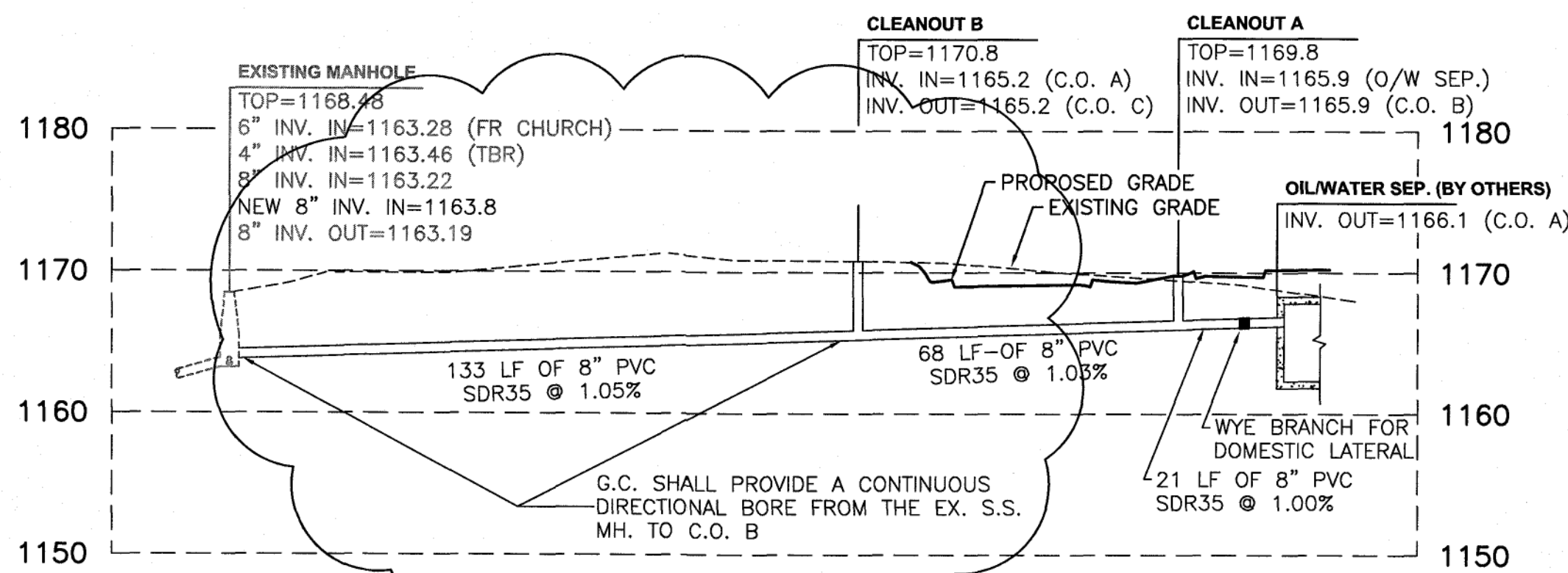
ROAD NAME	POSTED SPEED	SIGHT DISTANCE LEFT - PROVIDED/REQUIRED	SIGHT DISTANCE RIGHT - PROVIDE/REQUIRED
ELECTRIC ROAD	45 MPH	675'+ PROVIDED/530' REQUIRED	825'+ PROVIDED/565' REQUIRED

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



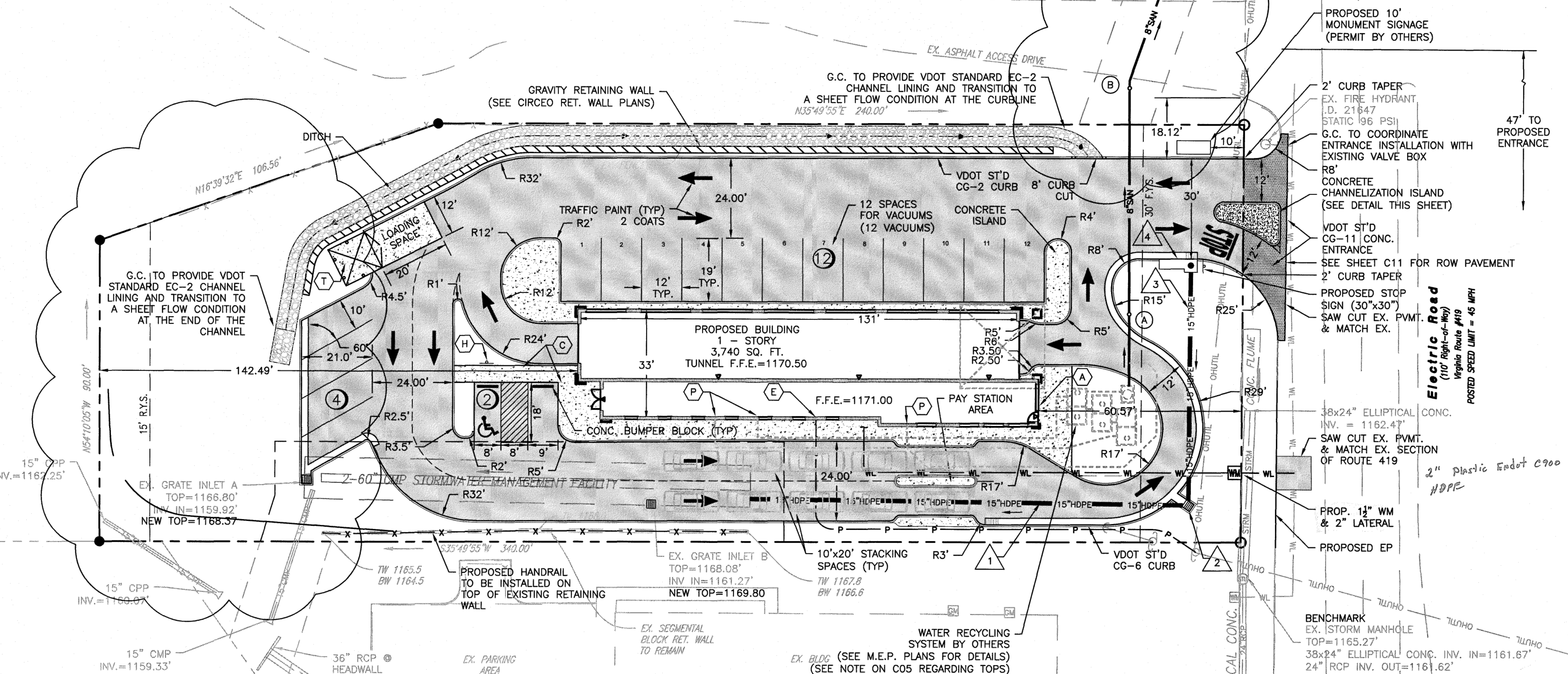
STORM SEWER PROFILE

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



SANITARY SEWER PROFILE

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



CONCRETE CHANNELIZATION ISLAND

N.T.S.

## LAYOUT PLAN LEGEND

- 5' WIDE CONCRETE SIDEWALK (SEE DETAIL, SHEET C10)
- CONCRETE DUMPSTER & LOADING PAD (SEE DETAIL, SHEET C10)
- ELECTRICAL SERVICE CONNECTION
- HANDICAP PARKING & SIGN (SEE DETAIL, SHEET C10)
- KNOX BOX SERIES 3200
- CONNECTION BY PLUMBER

Amie Gorman  
REVISION 3/5/15

SCALE: 1" = 20'



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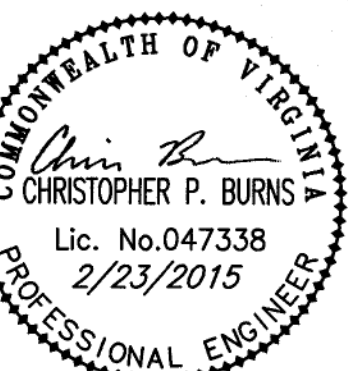
Roanoke  
New River Valley  
Richmond  
Staunton  
Harrisonburg

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

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H2GLO CAR WASH  
LAYOUT & UTILITY PLAN  
COUNTY OF ROANOKE, VIRGINIA

DRAWN BY BTC  
DESIGNED BY BTC  
CHECKED BY CPB  
DATE 9/11/2014  
SCALE 1"=20'

REVISIONS:  
10/10/2014  
11/7/2014  
2/18/2015 PR#1  
2/23/2015 PR#1

SHEET NO.

C04

JOB NO. R1300142.01