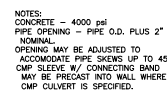
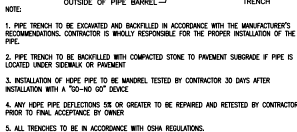
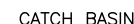


### SIDEWALK DETAIL

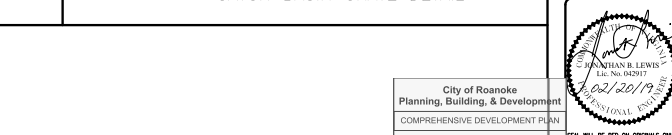


CIRCULAR PIPE SIZE $\phi$	ELLIPTICAL PIPE SIZE	W1	W2	H1	H2	D	E	TOR
THROUGH 18"	—	3'-2"	4'-2"	1'-3.5"	3'-2"	1'-3"	1'-9.5"	0.8
21" - 24"	23" $\times$ 14"	3'-6.5"	4'-9.5"	1'-5"	3'-6.5"	1'-5.5"	2'-1.5"	1.0
27" - 30"	30" $\times$ 19"	4'-0.5"	5'-10"	1'-10.5"	4'-0.5"	1'-8.5"	2'-8"	1.3
36"	36" $\times$ 24"	4'-7.5"	6'-6.5"	2'-4"	4'-7.5"	1'-9"	3'-3"	1.6

### PRECAST WINGWALL



## PIPE BEDDING




## SITE CONSTRUCTION 1 ~ DETAILS

[illegible]

PROPOSED CONSTRUCTION PLANS  
ULTIMATE SHINE CAR WASH  
RUTGERS STREET N.W., ROANOKE, VA  
SITE CONSTRUCTION 1 ~ DETAILS



**HIGHLANDS**  
ENGINEERING, LLC  
4132 Bossard Highway, Suite 2 Johnson City, TN 37601  
423-929-9999



DRAWN BY:	CAS
CHECKED BY:	JBL
DATE:	02-20-19
SCALE:	1"=30'
DRAWING NAME:	WILD ROANOKE 07
SHEET NUMBER:	D1.1 OF 16 SHEETS