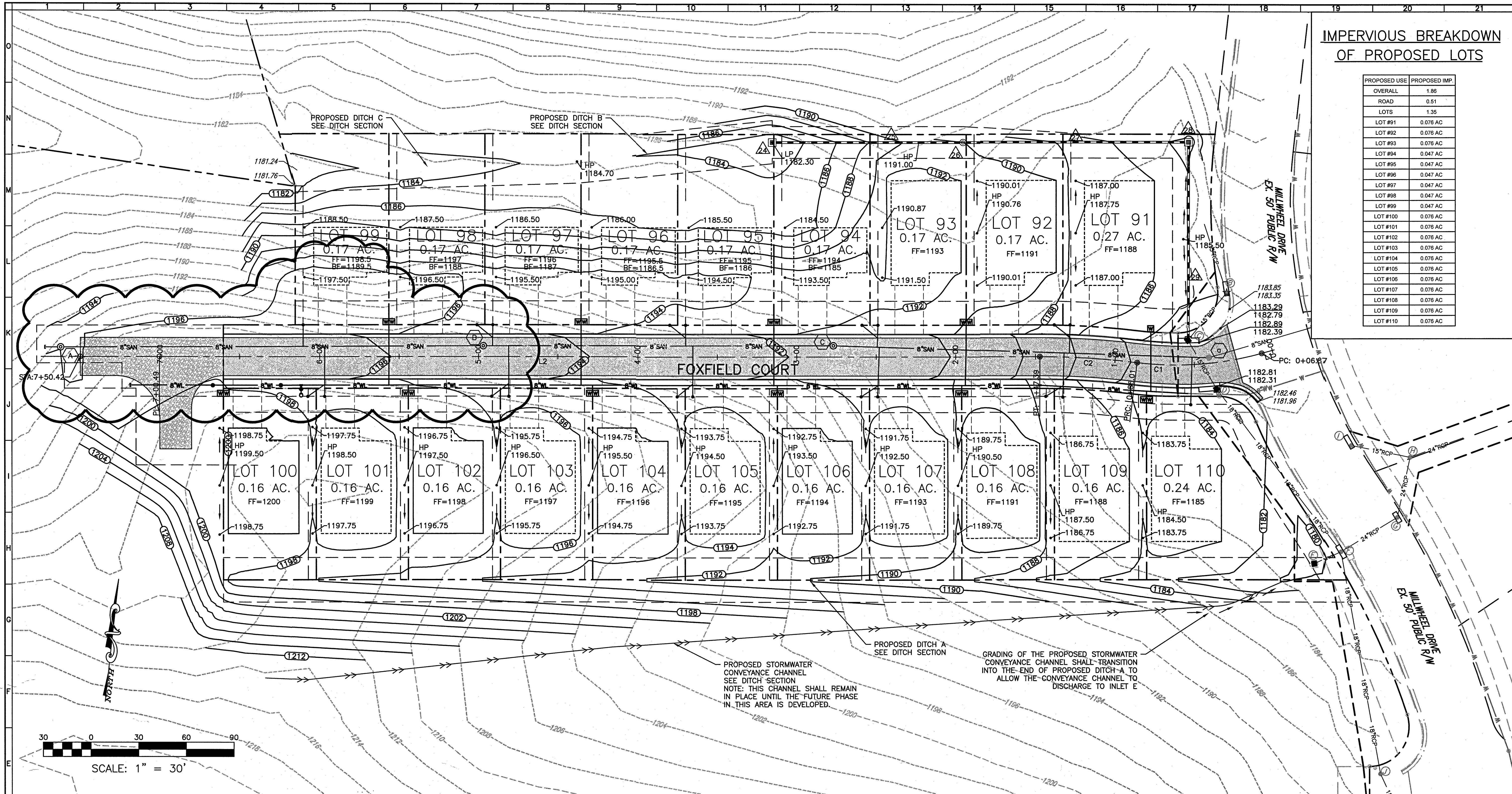




IMPERVIOUS BREAKDOWN
OF PROPOSED LOTS

PROPOSED USE	PROPOSED IMP.
OVERALL	1.86
ROAD	0.51
LOTS	1.35
LOT #91	0.076 AC
LOT #92	0.076 AC
LOT #93	0.076 AC
LOT #94	0.047 AC
LOT #95	0.047 AC
LOT #96	0.047 AC
LOT #97	0.047 AC
LOT #98	0.047 AC
LOT #99	0.047 AC
LOT #100	0.076 AC
LOT #101	0.076 AC
LOT #102	0.076 AC
LOT #103	0.076 AC
LOT #104	0.076 AC
LOT #105	0.076 AC
LOT #106	0.076 AC
LOT #107	0.076 AC
LOT #108	0.076 AC
LOT #109	0.076 AC
LOT #110	0.076 AC

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1208 Corporate Circle
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FAX 540-772-8050

COMMONWEALTH OF VIRGINIA
CHRISTOPHER P. BURKS
Lic. No. 047338
10/19/17
PROFESSIONAL ENGINEER

FOXFIELD - SECTION 6

GRADING PLAN

CATAWBA DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY LAR
DESIGNED BY LAR
CHECKED BY CPB
DATE 8/18/2016
SCALE 1"=30'

REVISIONS:
10/20/2016
11/10/2016
10/19/2017 - PR#1

SHEET NO. **C5**
JOB NO. R1400109.00

SANITARY SEWER SCHEDULE:

- ALL S.S. MANHOLES SHALL HAVE STANDARD TOPS*
- A S.S. MANHOLE
TOP=1195.96
INV. IN=1187.50
INV. OUT=1187.40
 - STUB OUT FOR FUTURE EXTENSION
10 LF OF 8" SDR-26 @ 1.00%
TEMP. PLUG AT END OF STUB
INV.=1187.60
 - A-B 265 LF OF 8" SDR-26
PVC PIPE @ 1.00%
 - B S.S. MANHOLE
5' MANHOLE WITH INSIDE DROP
TOP=1194.90
INV. IN=1184.75
INV. OUT=1180.65
 - B-C 220 LF OF 8" SDR-26
PVC PIPE @ 1.00%
 - C S.S. MANHOLE
TOP=1191.15
INV. IN=1178.45
INV. OUT=1178.35
 - C-D 236 LF OF 8" SDR-26
PVC PIPE @ 2.65%
INV. OUT=1172.10

STORM SEWER SCHEDULE:

- 24 VDOT STD. DI-7
WITH TYPE-III GRATE
TOP=1183.60'
INV. OUT=1179.08 (STR: 26)
- 25 120 LF 15" TYPE S
HDPE PIPE @ 0.50%
- 26 VDOT STD. MH-2
TOP=1190.02
INV. IN=1178.48 (STR: 24)
INV. OUT=1178.38 (STR: 28)
- 27 142 LF 15" TYPE S
HDPE PIPE @ 0.50%
- 28 VDOT STD. DI-7
WITH TYPE-III GRATE
TOP=1183.50
INV. IN=1177.67 (STR: 26)
INV. OUT=1177.57 (STR: C)
- 29 125 LF 15" TYPE S
HDPE PIPE @ 0.50%

EXISTING STORM SEWER STRUCTURES

- A Ex. grate inlet T.B.R.
Top=1183.26'
15" rcp inv. out=1180.10'
- B Ex. curb inlet
Top=1184.36'
15" rcp inv. in=1179.04'
15" rcp inv. out=1178.91'
- C Ex. grate inlet
Top=1180.60'
TOP TO BE CONVERTED TO
VDOT STD. DI-38 (12" THROAT)
NEW TOP=1182.89'
15" rcp inv. in=1177.35'
NEW 15" INV. IN=1178.95'
15" rcp inv. out=1178.85'
- D Ex. grate inlet
TOP TO BE CONVERTED TO
VDOT STD. DI-38B (12" THROAT)
NEW TOP=1182.81'
15" rcp inv. in=1174.75'
18" rcp inv. out=1174.57'
- E Ex. grate inlet
Top=1186.26'
15" rcp inv. out=1174.58'
- F Ex. curb inlet
Top=1180.06'
15" rcp inv. in=1172.74'
15" rcp inv. in=1172.74'
18" rcp inv. in=1172.68'
24" rcp inv. out=1172.41"
- G Ex. curb inlet
Top=1180.25'
24" rcp inv. in=1171.35'
24" rcp inv. out=1171.20'
- H Ex. storm manhole
Top=1179.82'
15" rcp inv. in=1170.35'
24" rcp inv. in=1169.54'
24" rcp inv. out=1169.44'
- I Ex. curb inlet
Top=1180.76'
15" rcp inv. out=1173.00'
- J Ex. storm manhole
Top=1186.26'
18" rcp inv. in=1177.06'
18" rcp inv. out=1177.06'
- K Ex. grate inlet
Top=1190.60'
15" rcp inv. in=1177.35'
15" rcp inv. out=1178.85'
- L Ex. curb inlet
Top=1192.52'
15" rcp inv. out=1185.92'

EXISTING SANITARY SEWER STRUCTURES

- M Ex. s.s. manhole
Top=1182.57'
Shelf=1172.40'
8" rcp inv. in=1171.62'
8" rcp inv. out=1171.52'
- N Ex. s.s. manhole
Top=1179.50'
Shelf=1169.00'
8" inv. in=1168.40'
8" inv. out=1168.30'

GRADING NOTES:

- G.C. SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL PROPOSED DWELLINGS.
- OVERLOT GRADING, HOUSE LOCATIONS AND FINISHED FLOOR ELEVATIONS SHOWN SHALL BE GENERALLY ADHERED TO REGARDING GENERAL DRAINAGE PATTERNS. A SEPARATE BPPP WILL NEED TO BE SUBMITTED TO ROANOKE COUNTY PRIOR TO HOUSE CONSTRUCTION FOR EACH LOT TO ENSURE THAT THE LOTS ARE IN GENERAL COMPLIANCE WITH THIS OVERLOT GRADING PLAN.
- WATERPROOFING SHALL BE PROVIDED AS NECESSARY FOR ALL BASEMENT WALLS WHERE THE FINISHED FLOOR WILL BE LOCATED BELOW FINISHED GRADE.
- SEE TABLE ON SHEET C15 FOR MINIMUM SEWERABLE ELEVATIONS FOR DWELLINGS.

