

GRADING NOTES:

1. G.C. SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL PROPOSED DWELLINGS.
2. 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.
3. WATERPROOFING SHALL BE PROVIDED AS NECESSARY FOR ALL BASEMENT WALLS WHERE THE FINISHED FLOOR WILL BE LOCATED BELOW FINISHED GRADE.
4. SEE TABLE ON THIS SHEET FOR MINIMUM SEWERABLE ELEVATIONS FOR DWELLINGS.
5. PROPOSED SANITARY SEWER MANHOLE LIDS LOCATED WITHIN THE PROPOSED ROADWAY SHALL BE FLUSH WITH THE TOP OF PAVEMENT.

SANITARY SEWER SCHEDULE:

- (B) PUBLIC S.S. MANHOLE W/ ST'D LID
TOP= 1218.28
INV. IN= 1209.00 (LOT 4 LATERAL)
INV. IN= 1207.10 (LOT 5 LATERAL)
INV. OUT= 1207.00
- (B) (A) 236 LF OF 8" PVC SDR-35 PVC AT 3.74%
- (A) PUBLIC S.S. MANHOLE W/ ST'D LID
TOP=1207.84
INV. IN= 1198.20
INV. IN= 1198.20 (LATERAL)
INV. OUT= 1198.10
- (A) (EX) 213 LF OF 8" PVC SDR-26 PVC AT 2.95%
- (EX) PUBLIC S.S. MANHOLE W/ ST'D LID
EX. TOP: 1201.30
NEW INV. IN= 1191.80
EX. INV. IN= 1190.70
EX. INV. OUT= 1190.70

NOTES:

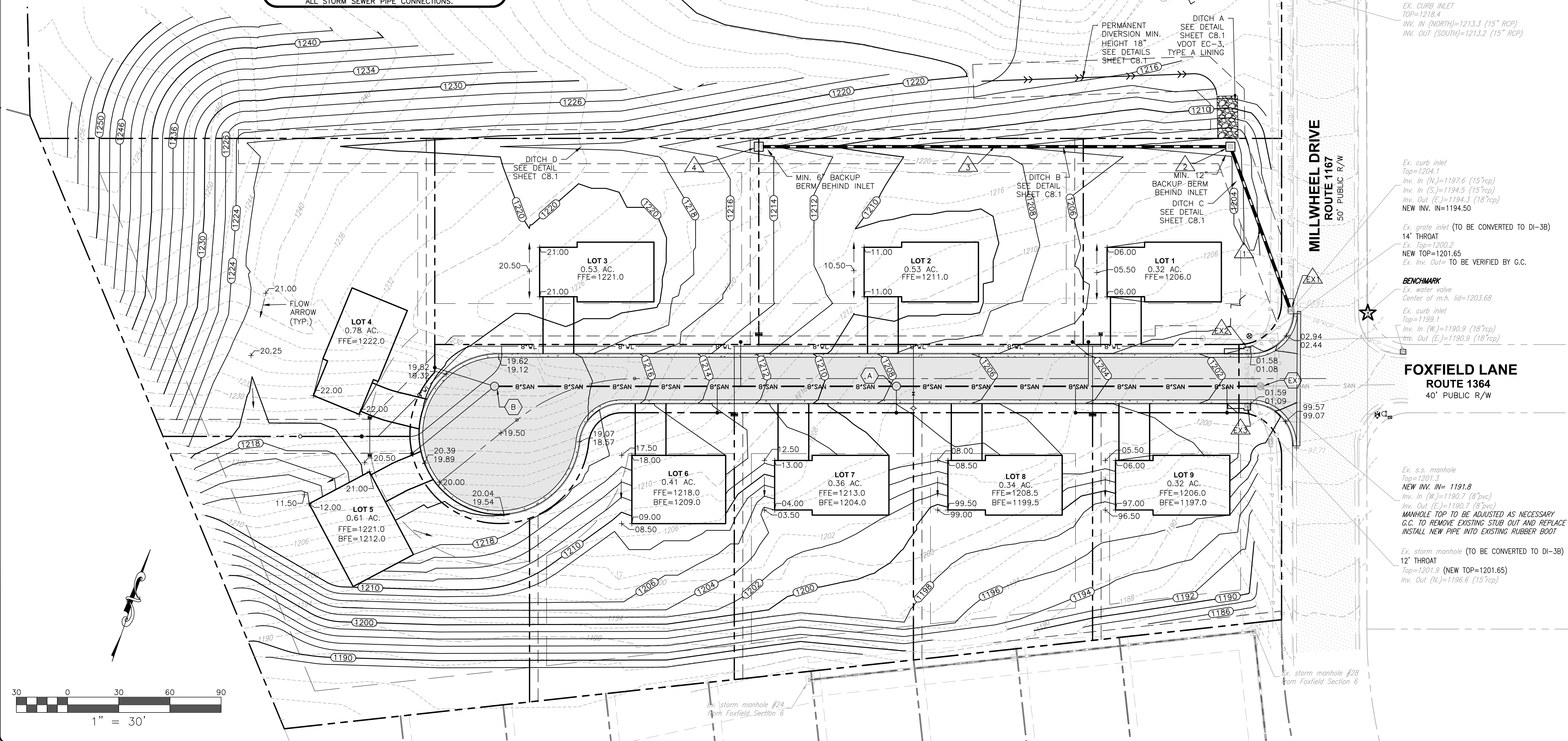
1. G.C. TO CONFIRM & COORDINATE ALL BUILDING TIE-IN LOCATIONS WITH M.E.P. AND ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION OF LATERALS.
2. G.C. TO CONFIRM ALL TIE-IN LOCATIONS TO EXISTING LINES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

STORM STRUCTURE SCHEDULE:

- △ 102 LF OF 15" TYPE S
HDPE PIPE AT 2.93%
- △ VDOT ST'D DI-7
TOP: 1202.12
INV. IN: 1197.60
INV. OUT: 1197.50
- △ 276 LF OF 15" TYPE S
HDPE PIPE AT 3.04%
- △ VDOT ST'D DI-1
TOP: 1212.55
INV. OUT: 1206.00
- △ VDOT ST'D DI-3B CURB INLET
TOP: 1204.1
NEW INV. IN: 1194.50
EX. INV. IN: 1197.6
EX. INV. IN: 1194.5
EX. INV. OUT: 1194.3
- △ EXISTING DI-7 TO BE CONVERTED TO
ST'D DI-3B CURB INLET (14' THROAT)
NEW TOP: 1201.65
EX. INV. IN: G.C. TO VERIFY
EX. INV. OUT: G.C. TO VERIFY
- △ EXISTING STORM MANHOLE TO BE CONVERTED TO
VDOT ST'D DI-3B CURB INLET (12' THROAT)
EX. TOP: 1201.9
NEW TOP: 1201.65
EX. INV. OUT: 1196.6

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.

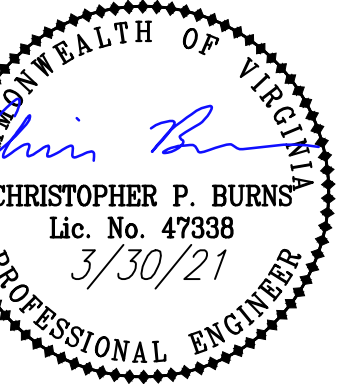


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RIVER OAKS SECTION 3

GRADING PLAN

DRAWN BY KAM
DESIGNED BY CPB
CHECKED BY CPB
DATE 1/6/2021
SCALE 1" = 30'
REVISIONS
3/8/2021
3/30/2021

C5
PROJECT NO. 04200041.00

APPROVED, 5/13/2021