SANITARY SEWER SCHEDULE:

(A) PUBLIC S.S. MANHOLE W/ ST'D LID
TOP= 1234.26
INV. IN= 1224.10 (LATERAL)
INV. IN= 1224.10 (LATERAL)
INV. OUT= 1224.00

(A) (B) 270 LF OF 8" PVC SDR-26 PVC AT 1.96%

(B) PUBLIC S.S. MANHOLE W/ ST'D LID
TOP=1228.25
INV. IN= 1218.70
INV. OUT= 1216.70

(B) (EX) 250 LF OF 8" PVC SDR-26 PVC AT 2.40%

(EX) *Ex. S.S. Manhole*
Ex. Top= 1221.10
NEW TOP= 1221.48
NEW INV. IN= 1210.70
Ex. Inv. Out= 1210.60

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.
3. G.C. SHALL CORE DRILL EXISTING MANHOLE AND PROVIDE FLEXIBLE BOOT CONNECTION FOR PROPOSED TIE IN CONNECTION.

STORM STRUCTURE SCHEDULE:

△1 VDOT ST'D DI-3B CURB INLET (10' THROAT)
TOP: 1223.01
INV. OUT: 1218.00 (STR. 2)

△2 32 LF OF 15" TYPE S HDPE @ 1.56%

△3 VDOT ST'D DI-3B CURB INLET (10' THROAT)
TOP: 1222.93
INV. IN: 1217.50 (STR. 2)
INV. OUT: 1217.40 (STR. 4)

△4 117 LF OF 15" TYPE S HDPE @ 2.04%

△5 EXISTING GRATE INLET TO BE REMOVED
15" VDOT ST'D ES-1 END SECTION TO BE ADDED TO THE END OF THE EX. 15" RCP

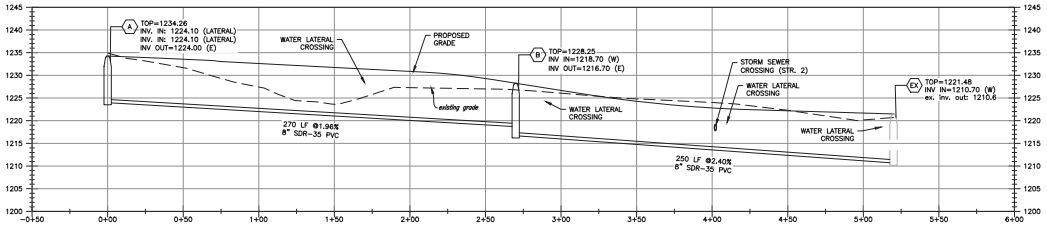
△6 EXISTING DI-7 TO BE CONVERTED TO VDOT ST'D DI-3B CURB INLET (6" THROAT)
NEW TOP: 1221.67
NEW INV. IN: 1215.00 (STR. 4)
EX. INV. IN: 1214.90 G.C. TO VERIFY
EX. INV. OUT: 1214.70 G.C. TO VERIFY

NOTES:
1. VDOT ST'D IS-1 INLET SHAPING SHALL BE PROVIDED IN ALL PROPOSED STRUCTURES
2. NON-SHRINK GROUT SHALL BE USED FOR ALL STORM SEWER PIPE CONNECTIONS.
3. VDOT PB-1 DETAIL SHALL BE UTILIZED FOR ALL STORM SEWER AND CULVERT BEDDING AND BACKFILL.
4. #57 AGGREGATE IS NOT AN ALLOWABLE BACKFILL OR PIPE BEDDING MATERIAL

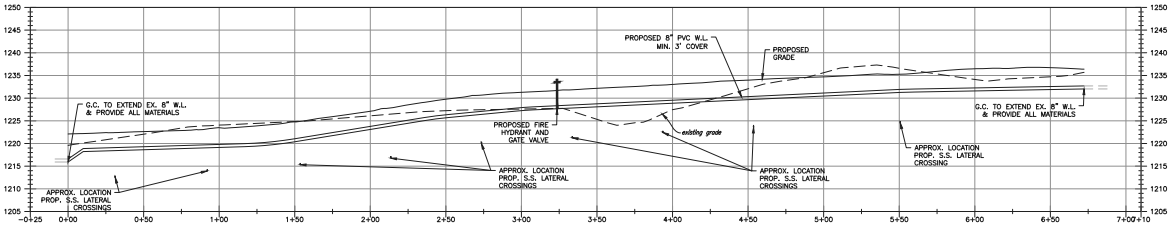
SANITARY SEWER LATEIAL TABLE

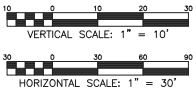
Project Name:		River Oaks Section 4			
Date:		1/31/2022			
Lot #	Downstream Manhole	Distance	Invet of Main	Top of Main	Minimum F.F.E.
1	EXA	48	1211.9	1212.6	1215.6
2	EXA	48	1211.9	1212.6	1215.6
3	EXA	168	1211.8	1215.5	1218.5
4	EXA	168	1211.8	1215.5	1218.5
5	B	38	1219.5	1220.2	1223.2
6	B	38	1219.3	1220.0	1223.0
7	B	158	1221.8	1222.5	1225.5
8	B	158	1221.8	1222.5	1225.5
9	A	0	1224.1	1224.8	1227.8
10	A	0	1224.1	1224.8	1227.8
11	A	0	1224.1	1224.8	1227.8
12	A	0	1224.1	1224.8	1227.8
13	B	225	1223.2	1223.9	1226.9
14	B	165	1222.0	1222.7	1225.7
15	B	105	1220.8	1221.5	1224.5
16	B	45	1219.6	1220.3	1223.3
17	EXA	235	1216.4	1217.1	1220.1
18	EXA	175	1214.9	1215.6	1218.6
19	EXA	115	1213.5	1214.2	1217.2
20	EXA	55	1212.1	1212.8	1215.8
21	EXA	4	1210.8	1211.5	1214.5

PROPOSED SANITARY PROFILE

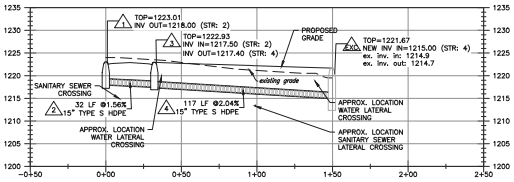


PROPOSED WATER LINE PROFILE





PROPOSED STORM PROFILE



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COMMONWEALTH OF VIRGINIA
CHRISTOPHER P. BUDNIK
Lic. No. 47306
5/2/2022
PROFESSIONAL ENGINEER

RIVER OAKS SECTION 4

UTILITY PROFILES

BLUMFIELD DR.
ROANOKE COUNTY, VIRGINIA

DRAWN BY	KAM
DESIGNED BY	CPB
CHECKED BY	CPB
DATE	1/31/2022
SCALE	AS SHOWN
REVISIONS	
3/14/2022	
4/21/2022	
5/2/2022	

C6.2
PROJECT NO. 04210091.00

APPROVED, 6/3/2022