ROOF DRAIN SCHEDULE

R1	C.O., TOP AT FINISHED GRADE, INV = 82.63
R2	95.13 L.F. 8" PVC @ 1.00 % INV. IN = 82.63 INV. OUT = 81.68
R3	C.O., TOP AT FINISHED GRADE, INV = 81.68
R4	28.82 L.F. 8" PVC @ 2.08 % INV. IN = 81.68 INV. OUT = 81.08
R5	C.O., TOP AT FINISHED GRADE, INV = 82.00
R6	95.01 L.F. 8" PVC @ 1.00 % INV. IN = 82.00 INV. OUT = 81.05
R7	C.O., TOP AT FINISHED GRADE, INV = 81.05
R8	44.75 L.F. 8" PVC @ 5.50 % INV. IN = 81.05 INV. OUT = 78.59
R9	C.O., TOP AT FINISHED GRADE, INV = 77.10
R10	47.50 L.F. 6" PVC @ 1.00 % INV. IN = 77.10 INV. OUT = 76.63
R11	C.O., TOP AT FINISHED GRADE, INV = 79.00
R12	47.51 L.F. 6" PVC @ 1.00 % INV. IN = 79.00 INV. OUT = 78.52
R13	C.O., TOP AT FINISHED GRADE, INV = 79.00
R14	95.01 L.F. 8" PVC @ 1.00 % INV. IN = 79.00 INV. OUT = 78.05
R15	C.O., TOP AT FINISHED GRADE, INV = 78.05
R16	27.98 L.F. 8" PVC @ 8.65 % INV. IN = 78.05 INV. OUT = 75.63

STORM SEWER CONNECTION NOTES:
1. CONTRACTOR SHALL VERIFY INVERT, SIZE, AND SLOPE OF EXISTING STUB PIPE PRIOR TO START OF CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY IF DIFFERENT THAN ASSUMPTIONS SHOWN ON SHEET C5.0.
2. NO CHANGE IN SLOPE WILL BE ALLOWED WITHOUT A MANHOLE STRUCTURE.

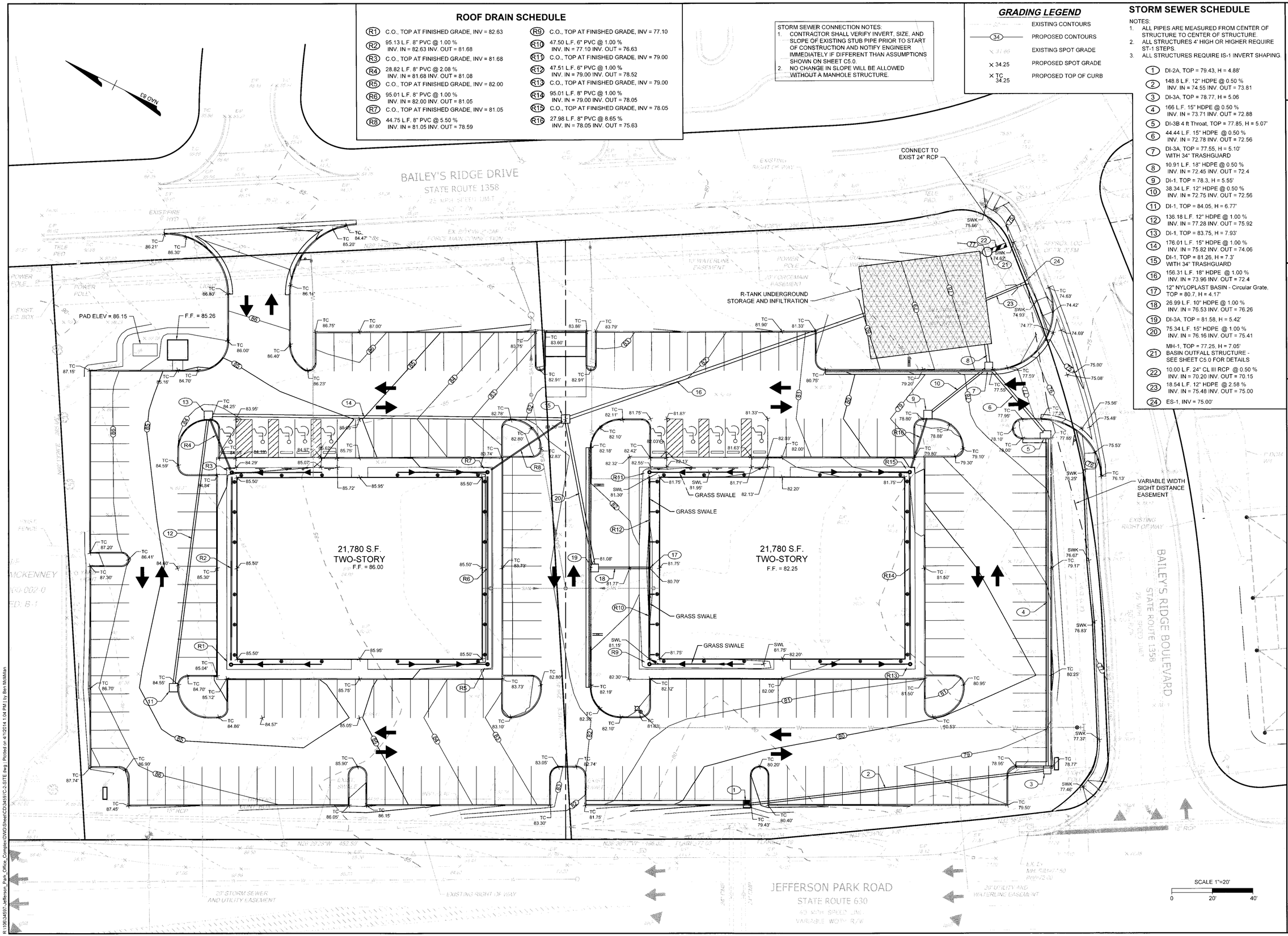
GRADING LEGEND

	EXISTING CONTOURS
34	PROPOSED CONTOURS
× 31.68	EXISTING SPOT GRADE
× 34.25	PROPOSED SPOT GRADE
× TC 34.25	PROPOSED TOP OF CURB

STORM SEWER SCHEDULE

NOTES:
1. ALL PIPES ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
2. ALL STRUCTURES 4' HIGH OR HIGHER REQUIRE ST-1 STEPS.
3. ALL STRUCTURES REQUIRE IS-1 INVERT SHAPING.

1. DI-2A, TOP = 79.43, H = 4.88'
2. 148.8 L.F. 12" HDPE @ 0.50 %
INV. IN = 74.55 INV. OUT = 73.81
3. DI-3A, TOP = 78.77, H = 5.06
4. 166 L.F. 15" HDPE @ 0.50 %
INV. IN = 73.71 INV. OUT = 72.88
5. DI-3B 4 ft Throat, TOP = 77.85, H = 5.07'
6. 44.44 L.F. 15" HDPE @ 0.50 %
INV. IN = 72.78 INV. OUT = 72.56
7. DI-3A, TOP = 77.55, H = 5.10'
WITH 34" TRASHGUARD
8. 10.91 L.F. 18" HDPE @ 0.50 %
INV. IN = 72.45 INV. OUT = 72.4
9. DI-1, TOP = 78.3, H = 5.55'
10. 38.34 L.F. 12" HDPE @ 0.50 %
INV. IN = 72.75 INV. OUT = 72.56
11. DI-1, TOP = 84.05, H = 6.77'
12. 136.18 L.F. 12" HDPE @ 1.00 %
INV. IN = 77.28 INV. OUT = 75.92
13. DI-1, TOP = 83.75, H = 7.93'
14. 176.01 L.F. 15" HDPE @ 1.00 %
INV. IN = 75.82 INV. OUT = 74.06
15. DI-1, TOP = 81.26, H = 7.3'
WITH 34" TRASHGUARD
16. 156.31 L.F. 18" HDPE @ 1.00 %
INV. IN = 73.96 INV. OUT = 72.4
17. 12" NYLOPLAST BASIN - Circular Grate,
TOP = 80.7, H = 4.17'
18. 26.99 L.F. 10" HDPE @ 1.00 %
INV. IN = 76.53 INV. OUT = 76.26
19. DI-3A, TOP = 81.58, H = 5.42'
20. 75.34 L.F. 15" HDPE @ 1.00 %
INV. IN = 76.16 INV. OUT = 75.41
21. MH-1, TOP = 77.25, H = 7.05'
BASIN OUTFALL STRUCTURE -
SEE SHEET C5.0 FOR DETAILS
22. 10.00 L.F. 24" CL III RCP @ 0.50 %
INV. IN = 70.20 INV. OUT = 70.15
23. 18.54 L.F. 12" HDPE @ 2.58 %
INV. IN = 75.48 INV. OUT = 75.00
24. ES-1, INV = 75.00'



COMMONWEALTH OF VIRGINIA
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4/1/14

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YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
2-21-14	COUNTY REVIEW COMMENTS
4-1-14	COUNTY REVIEW COMMENTS

DATE	9 DEC 2013
DRAWN BY	M. ANDERSON
DESIGNED BY	B. MCMILLAN
CHECKED BY	K. HALPAUS
SCALE	1"=20'

TIMMONS GROUP

JEFFERSON PARK OFFICE COMPLEX

BLAND DISTRICT - PRINCE GEORGE COUNTY - VIRGINIA

GRADING PLAN

JOB NO.	34597
SHEET NO.	C4.0

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