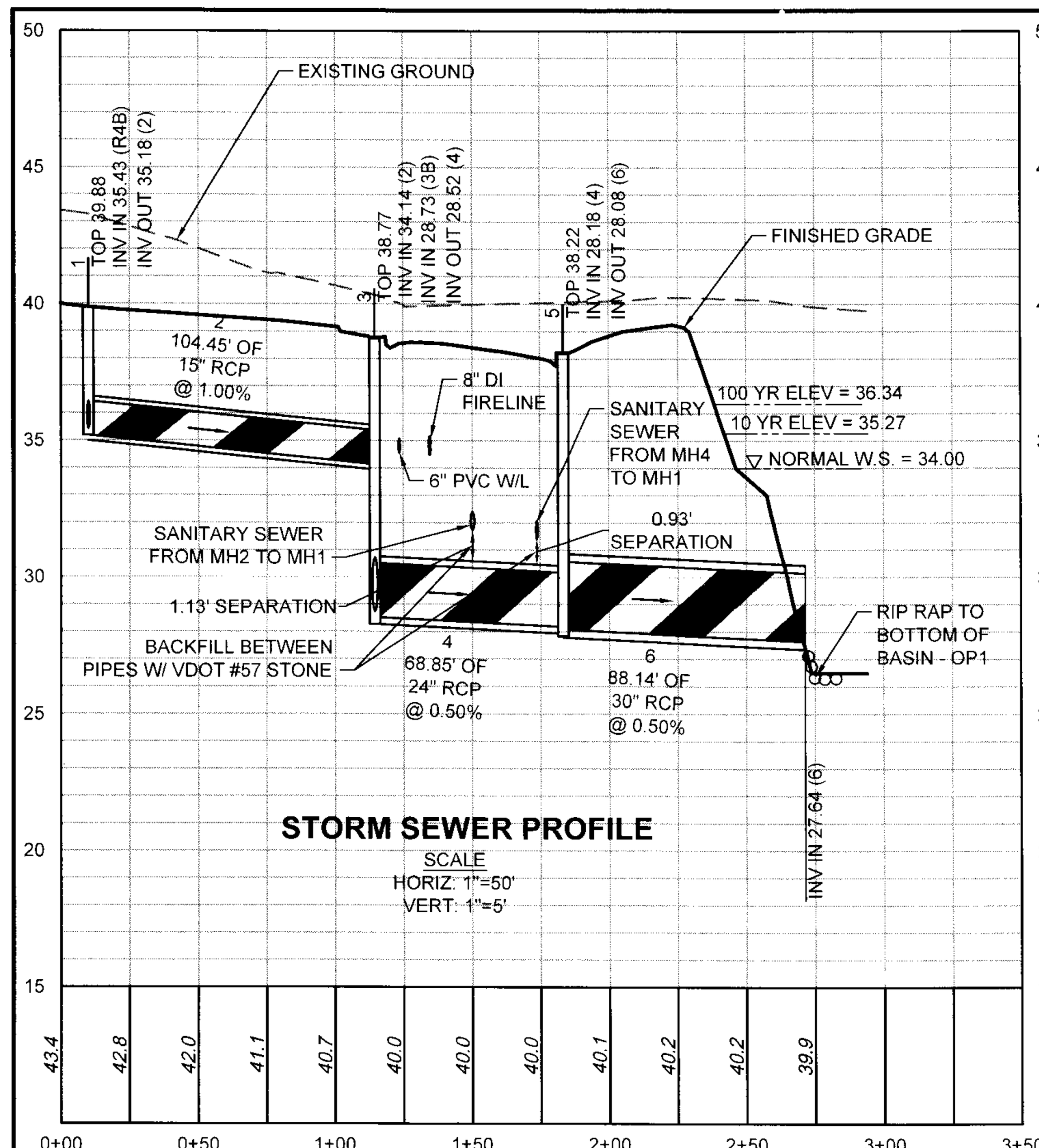
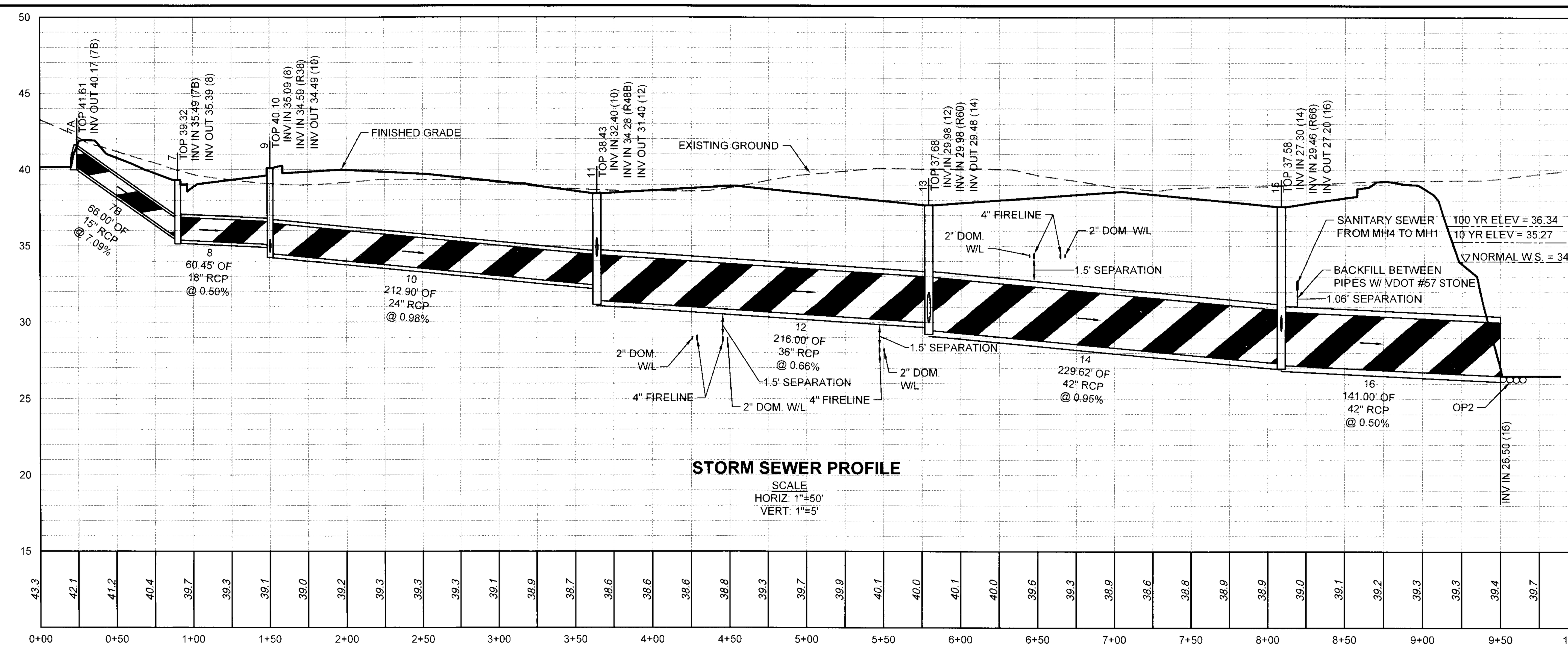


STORM SEWER PROFILE

SCALE
HORIZ: 1"=50'
VERT: 1"=5'



STORM SEWER PROFILE

SCALE
HORIZ: 1"=50'
VERT: 1"=5'

NOTES:

1. PIPES ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.
2. ALL STRUCTURES OVER 4' DEEP REQUIRE VDOT STD. ST-1 STEPS.
3. ALL STRUCTURES SHALL HAVE IS-1 INLET SHAPING

STORM SEWER SCHEDULE

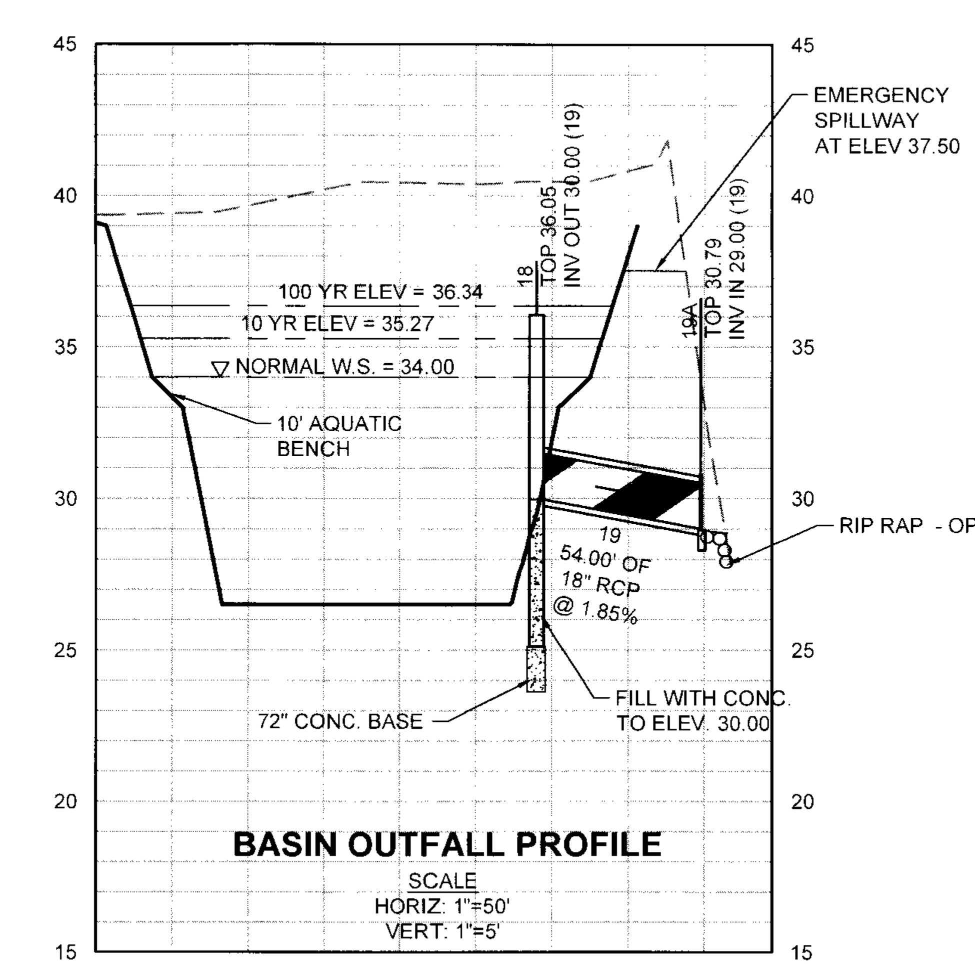
NOTES:

1. PIPES ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.
2. ALL STRUCTURES OVER 4' DEEP REQUIRE VDOT STD. ST-1 STEPS.
3. ALL STRUCTURES SHALL HAVE IS-1 INLET SHAPING

1	DI-3B 6 ft Throat, TOP = 39.88, H = 4.70'
2	104.45 L.F. 15" CL III RCP @1.22 % INV. IN = 35.18 INV. OUT = 34.14
3	DI-3C 6 ft Throat, TOP = 38.77, H = 10.25'
3A	MH-1, TOP = 39.48, H = 10.23'
3B	61.30 L.F. 24" CL III O-RING RCP @0.85 % INV. IN = 29.25 INV. OUT = 28.73
4	68.85 L.F. 24" CL III O-RING RCP @0.50 % INV. IN = 28.52 INV. OUT = 28.18
5	DI-3C 6 ft Throat, TOP = 38.22, H = 10.14'
6	88.14 L.F. 30" CL III O-RING RCP @0.50 % INV. IN = 28.08 INV. OUT = 27.64
7	DI-3B 6 ft Throat, TOP = 39.32, H = 3.93'
7A	66 L.F. 15" CL III RCP @7.09 % INV. IN = 40.17 INV. OUT = 35.49
7B	ES-1, INV = 40.17
8	60.45 L.F. 18" CL III RCP @0.50 % INV. IN = 35.39 INV. OUT = 35.09
9	DI-3C 6 ft Throat, TOP = 40.10, H = 5.61'
10	212.90 L.F. 24" CL III RCP @0.98 % INV. IN = 34.49 INV. OUT = 32.40
11	DI-7, TOP = 38.43, H = 7.03'
12	216 L.F. 36" CL III RCP @0.66 % INV. IN = 31.40 INV. OUT = 29.98
13	DI-7, TOP = 37.68, H = 8.2'
14	229.62 L.F. 42" CL III O-RING RCP @0.95 % INV. IN = 29.48 INV. OUT = 27.30
15	DI-7, TOP = 37.58, H = 10.38'
16	141 L.F. 42" CL III O-RING RCP @0.50 % INV. IN =27.20 INV. OUT = 26.50
17A	ES-1, TOP = 38.50, INV = 37.06
17	84 L.F. 15" CL IV RCP @ 0.50 % INV. IN = 37.06 INV. OUT = 36.64
17B	ES-1, TOP = 38.08, INV = 36.64
20	16 L.F. 12" CL III RCP @ 0.50 % INV. IN = 40.24 INV. OUT = 40.16

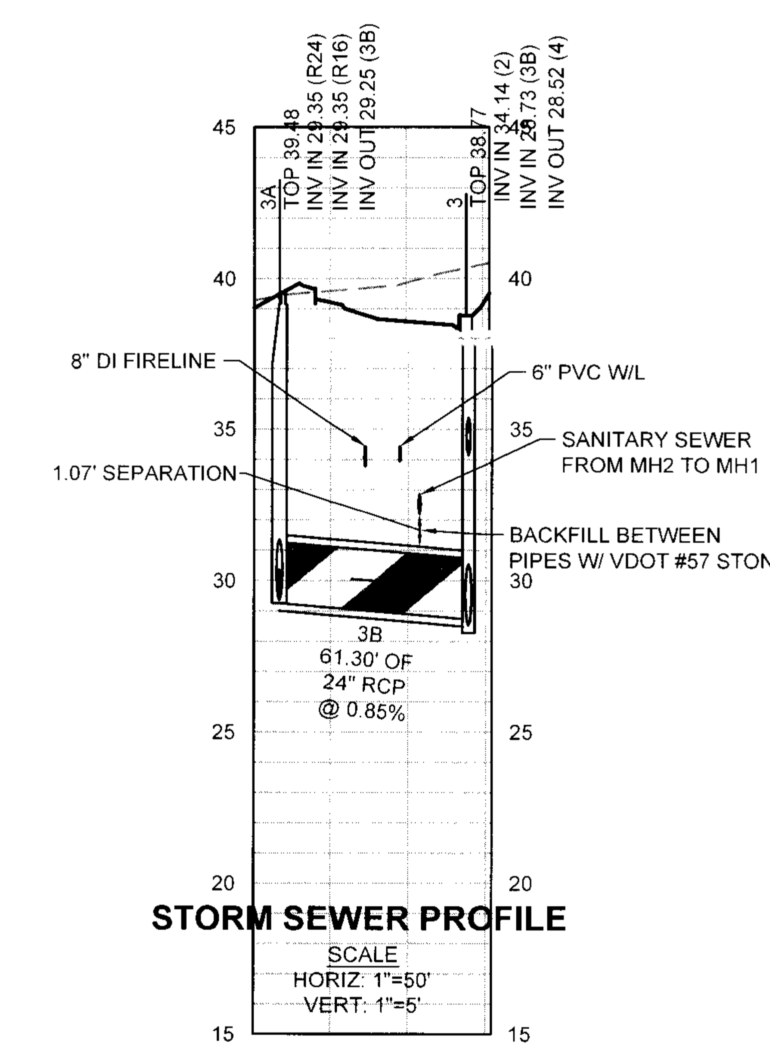
ROOF/YARD DRAIN SCHEDULE

R1	24" Nyloplast Basin - Circular Grate, TOP = 40.75, H = 2'
R2	74.02 L.F. 8" HDPE Pipe @1.00 % INV. IN = 38.75 INV. OUT = 38.01
R2A	24" Nyloplast Basin - Circular Grate, TOP = 40.75, H = 2.74'
R2B	78.15 L.F. 10" HDPE Pipe @1.00 % INV. IN = 38.01 INV. OUT = 37.23
R3	24" Nyloplast Basin - Circular Grate, TOP = 40.75, H = 3.52'
R4	68.53 L.F. 12" HDPE Pipe @1.00 % INV. IN = 37.23 INV. OUT = 36.54
R4A	24" Nyloplast Basin - Circular Grate, TOP = 40.5, H = 3.96'
R4B	111.41 L.F. 12" HDPE Pipe @1.00 % INV. IN = 36.54 INV. OUT = 35.43
R5	15" Nyloplast Basin - Circular Grate, TOP = 41.5, H = 2'
R6	74.08 L.F. 8" HDPE Pipe @1.00 % INV. IN = 39.5 INV. OUT = 38.76
R7	15" Nyloplast Basin - Circular Grate, TOP = 41.35, H = 2.59'
R8	74.01 L.F. 10" HDPE Pipe @1.00 % INV. IN = 38.76 INV. OUT = 38.02
R8A	15" Nyloplast Basin - Circular Grate, TOP = 41.5, H = 3.48'
R8B	61.6 L.F. 12" HDPE Pipe @1.00 % INV. IN = 38.02 INV. OUT = 37.4
R9	24" Nyloplast Basin - Circular Grate, TOP = 38.75, H = 2'
R10	64.15 L.F. 12" HDPE Pipe @1.00 % INV. IN = 36.75 INV. OUT = 36.11
R11	24" Nyloplast Basin - Circular Grate, TOP = 37.9, H = 2.97'
R12	90.38 L.F. 18" HDPE Pipe @1.00 % INV. IN = 34.93 INV. OUT = 34.03
R13	24" Nyloplast Basin - Circular Grate, TOP = 37.9, H = 3.87'
R14	90.36 L.F. 24" HDPE Pipe @2.06 % INV. IN = 34.03 INV. OUT = 32.17
R15	24" Nyloplast Basin - Circular Grate, TOP = 37.9, H = 5.73'
R16	70.4 L.F. 24" HDPE Pipe @4.00 % INV. IN = 32.17 INV. OUT = 29.35
R17	24" Nyloplast Basin - Circular Grate, TOP = 37.75, H = 2'
R18	82.16 L.F. 12" HDPE Pipe @1.00 % INV. IN = 35.75 INV. OUT = 34.93
R19	15" Nyloplast Basin - Circular Grate, TOP = 37.75, H = 2'
R20	90.36 L.F. 8" HDPE Pipe @1.00 % INV. IN = 35.75 INV. OUT = 34.85
R21	15" Nyloplast Basin - Circular Grate, TOP = 37.75, H = 2.9'
R22	90.36 L.F. 10" HDPE Pipe @1.00 % INV. IN = 34.85 INV. OUT = 33.95
R23	15" Nyloplast Basin - Circular Grate, TOP = 37.85, H = 3.9'
R24	32.63 L.F. 12" HDPE Pipe @14.10 % INV. IN = 33.95 INV. OUT = 29.35
R25	15" Nyloplast Basin - Solid Top, TOP = 41.05, H = 2.05'
R26	72.33 L.F. 8" HDPE Pipe @1.00 % INV. IN = 39 INV. OUT = 38.28
R27	15" Nyloplast Basin -Solid Top, TOP = 41.1, H = 2.82'
R28	68.17 L.F. 10" HDPE Pipe @4.81 % INV. IN = 38.28 INV. OUT = 35
R29	15" Nyloplast Basin - Circular Grate, TOP = 39.25, H = 2.92'
R30	63.45 L.F. 8" HDPE @0.98 % INV. IN = 36.33 INV. OUT = 35.71
R31	15" Nyloplast Basin - Circular Grate, TOP = 40.23, H = 3.0'
R32	28 L.F. 8" HDPE @5.43 % INV. IN = 37.23 INV. OUT = 35.71
R32A	15" Nyoplast Basin - Circular Grate, Top = 39.66, H = 3.96'
R32B	23.46 L.F. 8" HDPE @0.94 % INV. IN = 35.7 INV. OUT = 35.48
R33	15" Nyloplast Basin - Circular Grate, TOP = 39.90, H = 4.43'
R34	22.27 L.F. 8" HDPE @0.94 % INV. IN = 35.47 INV. OUT = 35.26
R34A	15" Nyloplast Basin - Circular Grate, TOP = 39.90, H = 4.65'
R34B	32.88 L.F. 8" HDPE @0.97 % INV. IN = 35.25 INV. OUT = 34.93
R35	15" Nyloplast Basin - Circular Grate, TOP = 38.95, H = 3.00'
R36	50.01 L.F. 8" HDPE @1.24 % INV. IN = 35.95 INV. OUT = 35.33
R37	15" Nyloplast Basin - Circular Grate, TOP = 39.56, H = 4.24'
R37A	32 L.F. 8" HDPE @1.22 % INV. IN = 35.32 INV. OUT = 34.93
R37B	15" Nyloplast Basin - Circular Grate, TOP = 39.90, H = 4.98'
R38	26.66 L.F. 8" HDPE @1.24 % INV. IN = 34.92 INV. OUT = 34.59
R39	15" Nyloplast Basin - Circular Grate, TOP = 39.42, H = 3.00'
R40	114.21 L.F. 8" HDPE @1.18 % INV. IN = 36.42 INV. OUT = 35.07
R41	24" Nyloplast Basin - Circular Grate, TOP = 38.09, H = 3.03'
R42	83.54 L.F. 15" HDPE @1.23 % INV. IN = 35.06 INV. OUT = 34.03
R43	24" Nyloplast Basin - Circular Grate, TOP = 38.09, H = 4.07'
R43A	15" Nyloplast Basin - Circular Grate, TOP = 40.0', H = 3.00'
R43B	111.75 L.F. 10" HDPE @2.66 % INV. IN = 37.00 INV. OUT = 34.03
R44	115.22 L.F. 18" HDPE @1.24 % INV. IN = 34.02 INV. OUT = 32.59
R45	24" Nyloplast Basin - Circular Grate, TOP = 38.75, H = 2'
R45A	82 L.F. 10" HDPE Pipe @0.85 % INV. IN = 36.75 INV. OUT = 36.05
R45B	15" Nyloplast Basin - Circular Grate, TOP = 38.9, H = 2.85'
R46	93.35 L.F. 12" HDPE Pipe @0.85 % INV. IN = 36.05 INV. OUT = 35.26
R47	15" Nyloplast Basin - Circular Grate, TOP = 38.75, H = 3.49'
R48	59.43 L.F. 12" HDPE Pipe @0.85 % INV. IN = 35.26 INV. OUT = 34.75
R48A	24" Nyloplast Basin - Circular Grate, TOP = 38.5, H = 3.76'
R48B	46.5 L.F. 15" HDPE Pipe @1.00 % INV. IN = 34.75 INV. OUT = 34.28
R49	24" Nyloplast Basin - Circular Grate, TOP = 38.07, H = 3.00'
R50	86.38 L.F. 18" HDPE @2.87 % INV. IN = 35.07 INV. OUT = 32.59
R51	30" Nyloplast Basin - Circular Grate, TOP = 38.09, H = 5.51'
R52	25.17 L.F. 24" HDPE @2.46 % INV. IN = 32.58 INV. OUT = 31.96
R53	15" Nyloplast Basin - Circular Grate, TOP = 38.07, H = 3.00'
R54	70.91 L.F. 10" HDPE @1.24 % INV. IN = 35.07 INV. OUT = 34.19
R55	15" Nyloplast Basin - Circular Grate, TOP = 38.09, H = 3.00'
R56	46.99 L.F. 10" HDPE @1.92 % INV. IN = 35.09 INV. OUT = 34.19
R57	30" Nyloplast Basin - Circular Grate, TOP = 38.12, H = 3.94'
R57A	45.90 L.F. 18" HDPE @1.22 % INV. IN = 34.18 INV. OUT = 33.62
R57B	30" Nyloplast Basin - Circular Grate, TOP = 38.03, H = 4.42'
R58	58.17 L.F. 24" HDPE @2.84 % INV. IN = 33.61 INV. OUT = 31.96
R59	MH-1, TOP = 38.67, H = 6.72'
R60	38.64 L.F. 24" HDPE @5.10 % INV. IN = 31.95 INV. OUT = 29.98
R61	15" Nyloplast Basin - Circular Grate, TOP = 38.08, H = 3.00'
R62	84.39 L.F. 8" HDPE @1.23% INV. IN = 35.08 INV. OUT = 34.04
R63	15" Nyloplast Basin - Circular Grate, TOP = 38.04, H = 4.01'
R64	109.53 L.F. 10" HDPE @1.24 % INV. IN = 34.03 INV. OUT = 32.67
R65	24" Nyloplast Basin - Circular Grate, TOP = 38.25, H = 5.59'
R66	75.33 L.F. 12" HDPE @4.25 % INV. IN = 32.66 INV. OUT = 29.46
R67	15" Nyloplast Basin - Circular Grate, TOP = 38.82, H = 3.56'
R68	125.59 L.F. 8" HDPE @1.00 % INV. IN = 35.26 INV. OUT = 34.00



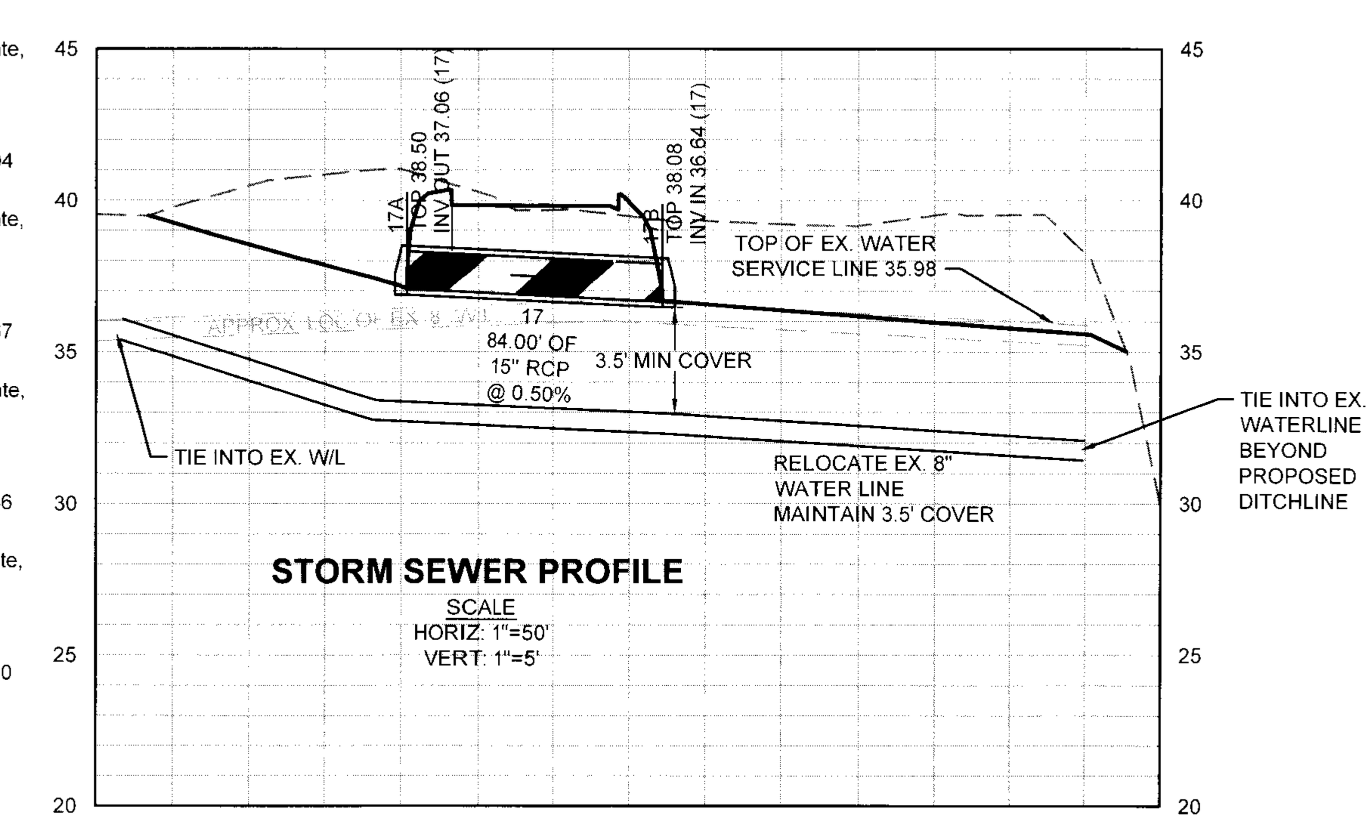
BASIN OUTFALL PROFILE

SCALE
HORIZ: 1"=50'
VERT: 1"=5'



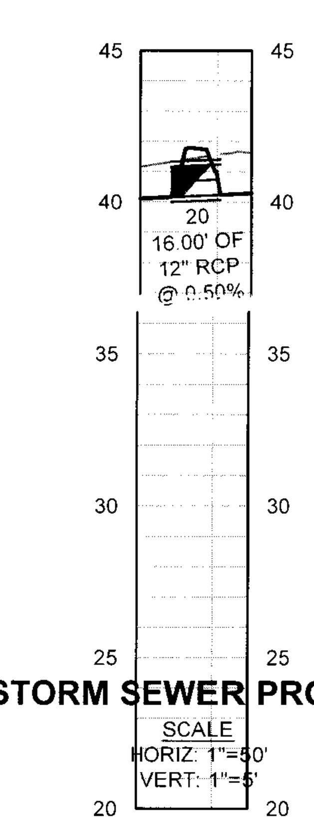
STORM SEWER PROFILE

SCALE
HORIZ: 1"=50'
VERT: 1"=5'



STORM SEWER PROFILE

SCALE
HORIZ: 1"=50'
VERT: 1"=5'



STORM SEWER PROFILE

SCALE
HORIZ: 1"=50'
VERT: 1"=5'

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YOUR VISION ACHIEVED THROUGH OURS.

KATHLEEN N. HALPAUS
Lic. No. 45244
10/4/13
COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER

DATE	REVISION DESCRIPTION
12-14-12	COUNTY COMMENTS
3-6-13	COUNTY COMMENTS
8-21-13	AMMENDMENT TO APPROVED PLAN
9-19-13	UTILITY REVISIONS
10-4-13	COUNTY COMMENTS

DATE	28 SEPT. 2012
DRAWN BY	K .HALPAUS
DESIGNED BY	K. HALPAUS
CHECKED BY	D. JOHNSON
SCALE	H: 1"=50' V: 1" = 5'

TIMMONS GROUP

PUDDLEDOCK PLACE APARTMENTS

BLAND DISTRICT - PRINCE GEORGE COUNTY - VIRGINIA

STORM SEWER PROFILES

JOB NO. 33180

SHEET NO. C3.0

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