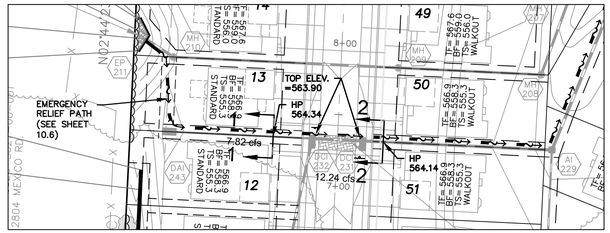
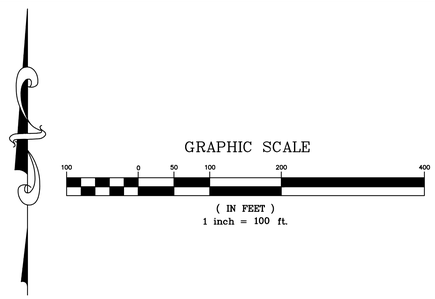
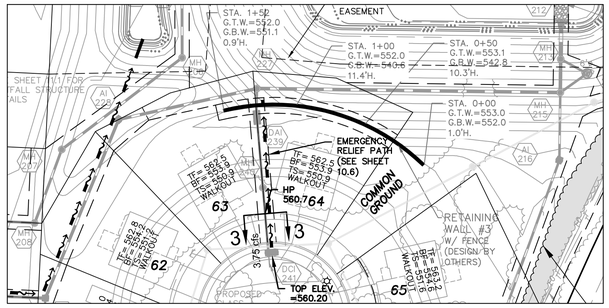






ISSUE	DATE / REMARKS
1	06/28/2017 Initial Submittal
2	10/06/2017 City Comments
3	11/10/2017 City Comments
4	12/16/2017 City Comments
5	01/11/2018 City Resubmittal

EMERGENCY RELIEF PATH CALCULATIONS SECTION 1-1 BETWEEN LOTS 12 & 13

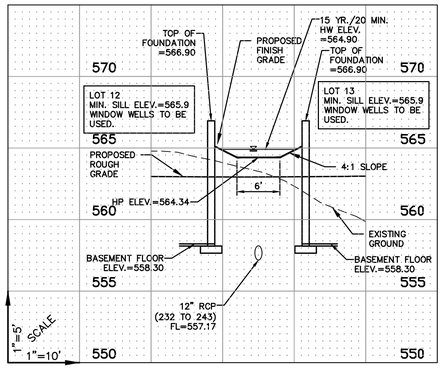
TOTAL 15 YEAR, 20 MINUTE Q = 7.82 C.F.S.

EMERGENCY RELEASE BETWEEN LOTS 12 & 13 IS CONTROLLED BY A HIGH POINT.

THE WEIR EQUATION IS APPLIED AT THE HIGH POINT:
Q=CLH^(3/2)
WHERE:

C	=3.10
TOTAL LENGTH (L)	=6 FT.
Q15	=7.82 C.F.S.
H	=(Q/CL)^(⅔)
	=((7.82/(3.1*6))^(⅔)
H	=0.56 FT.
HW ELEV.	=564.34 + 0.56'
HW ELEV.	=564.9

THE MINIMUM SILL ELEVATIONS OF THE RESIDENCES ON LOT 12 & 13 TO BE 565.9. WINDOW WELLS TO BE USED.



SECTION 1-1 AT HIGH/CONTROL POINT

EMERGENCY RELIEF PATH CALCULATIONS SECTION 2-2 BETWEEN LOTS 50 & 51

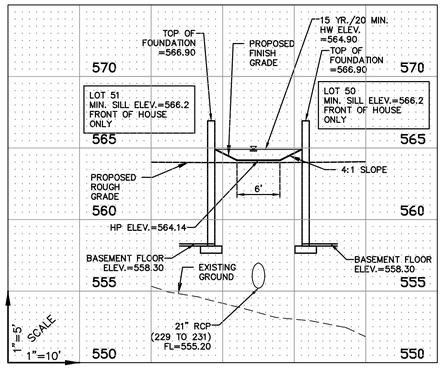
TOTAL 15 YEAR, 20 MINUTE Q = 12.24 C.F.S.

EMERGENCY RELEASE BETWEEN LOTS 50 & 51 IS CONTROLLED BY A HIGH POINT.

THE WEIR EQUATION IS APPLIED AT THE HIGH POINT:
Q=CLH^(3/2)
WHERE:

C	=3.10
TOTAL LENGTH (L)	=6 FT.
Q15	=12.24 C.F.S.
H	=(Q/CL)^(⅔)
	=((12.24/(3.1*6))^(⅔)
H	=0.76 FT.
HW ELEV.	=564.14 + 0.76'
HW ELEV.	=564.9

THE MINIMUM SILL ELEVATIONS OF THE RESIDENCES ON LOT 50 & 51 TO BE 566.2 (FRONT OF HOUSE ONLY)



SECTION 2-2 AT HIGH/CONTROL POINT

EMERGENCY RELIEF PATH CALCULATIONS SECTION 3-3 BETWEEN LOTS 63 & 64

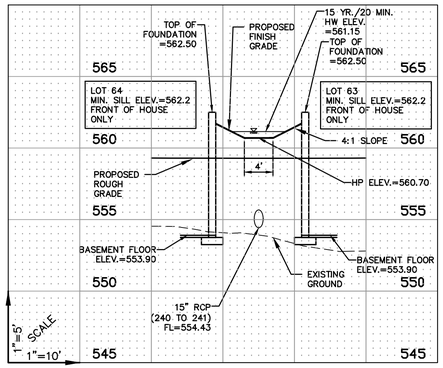
TOTAL 15 YEAR, 20 MINUTE Q = 3.75 C.F.S.

EMERGENCY RELEASE BETWEEN LOTS 63 & 64 IS CONTROLLED BY A HIGH POINT.

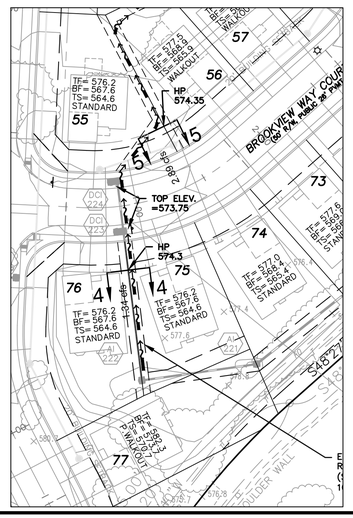
THE WEIR EQUATION IS APPLIED AT THE HIGH POINT:
Q=CLH^(3/2)
WHERE:

C	=3.10
TOTAL LENGTH (L)	=4 FT.
Q15	=3.75 C.F.S.
H	=(Q/CL)^(⅔)
	=((3.75/(3.1*4))^(⅔)
H	=0.45 FT.
HW ELEV.	=560.7 + 0.45'
HW ELEV.	=561.15

THE MINIMUM SILL ELEVATIONS OF THE RESIDENCES ON LOT 63 & 64 TO BE 562.2 (FRONT OF HOUSE ONLY)



SECTION 3-3 AT HIGH/CONTROL POINT



EMERGENCY RELIEF PATH CALCULATIONS SECTION 4-4 BETWEEN LOTS 75 & 76

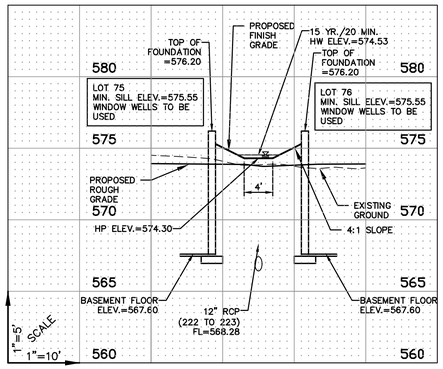
TOTAL 15 YEAR, 20 MINUTE Q = 1.34 C.F.S.

EMERGENCY RELEASE BETWEEN LOTS 75 & 76 IS CONTROLLED BY A HIGH POINT.

THE WEIR EQUATION IS APPLIED AT THE HIGH POINT:
Q=CLH^(3/2)
WHERE:

C	=3.10
TOTAL LENGTH (L)	=4 FT.
Q15	=1.34 C.F.S.
H	=(Q/CL)^(⅔)
	=((1.34/(3.1*4))^(⅔)
H	=0.23 FT.
HW ELEV.	=574.3 + 0.23'
HW ELEV.	=574.53

THE MINIMUM SILL ELEVATIONS OF THE RESIDENCES ON LOT 75 & 76 TO BE 575.55. WINDOW WELLS TO BE USED.



SECTION 4-4 AT HIGH/CONTROL POINT

EMERGENCY RELIEF PATH CALCULATIONS SECTION 5-5 BETWEEN LOTS 55 & 56

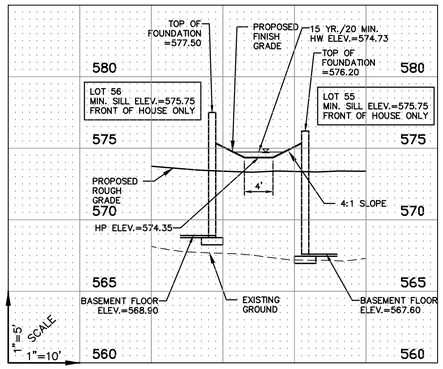
TOTAL 15 YEAR, 20 MINUTE Q = 2.89 C.F.S.

EMERGENCY RELEASE BETWEEN LOTS 55 & 56 IS CONTROLLED BY A HIGH POINT.

THE WEIR EQUATION IS APPLIED AT THE HIGH POINT:
Q=CLH^(3/2)
WHERE:

C	=3.10
TOTAL LENGTH (L)	=4 FT.
Q15	=1.34 C.F.S.
H	=(Q/CL)^(⅔)
	=((2.89/(3.1*4))^(⅔)
H	=0.38 FT.
HW ELEV.	=574.35 + 0.38'
HW ELEV.	=574.73

THE MINIMUM SILL ELEVATIONS OF THE RESIDENCES ON LOT 55 & 56 TO BE 575.75. WINDOW WELLS TO BE USED.



SECTION 5-5 AT HIGH/CONTROL POINT

PROJECT TITLE

Brookview

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SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

Date: 01/11/18
SEAN ACKLEY
LICENSE # PE-2009018679
Civil Engineer

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EMERGENCY RELIEF PATH SECTIONS

P+Z No. 17-005894
City No. 17-008288
Date: 01/11/18
Job No. 17-02-041

Page No.
10.6
IMP

"Final Plan" Approval Date: August 24, 2017