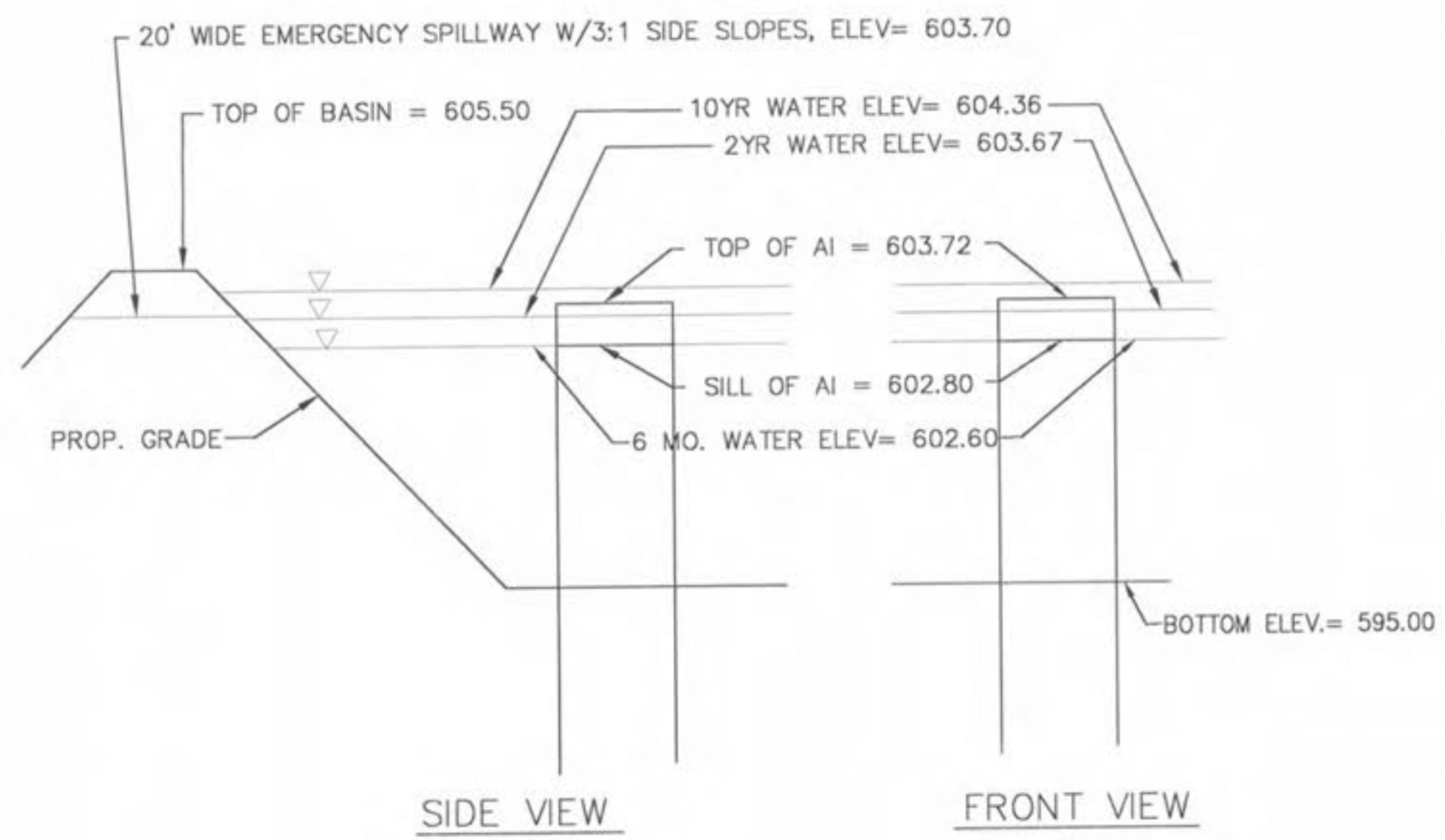
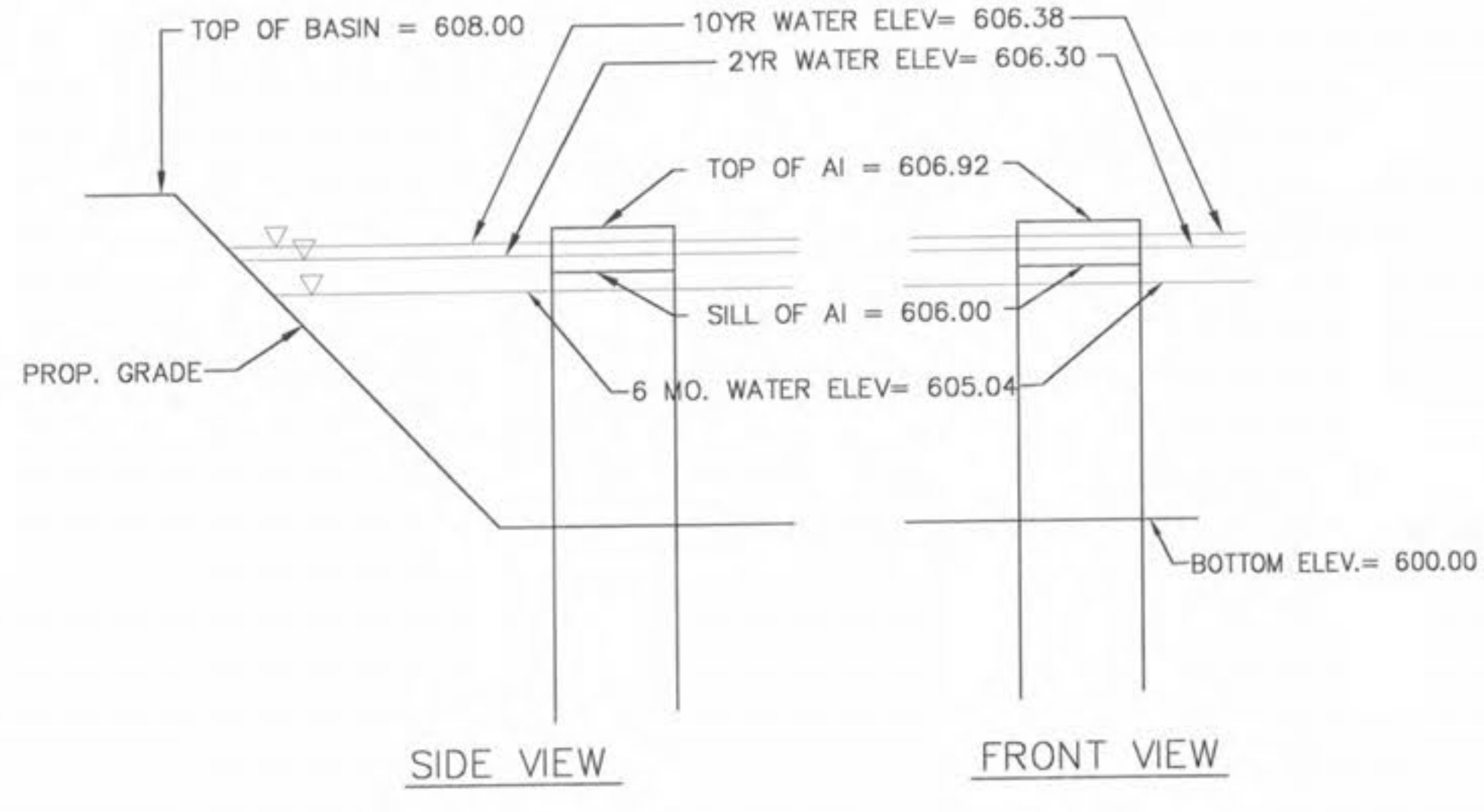


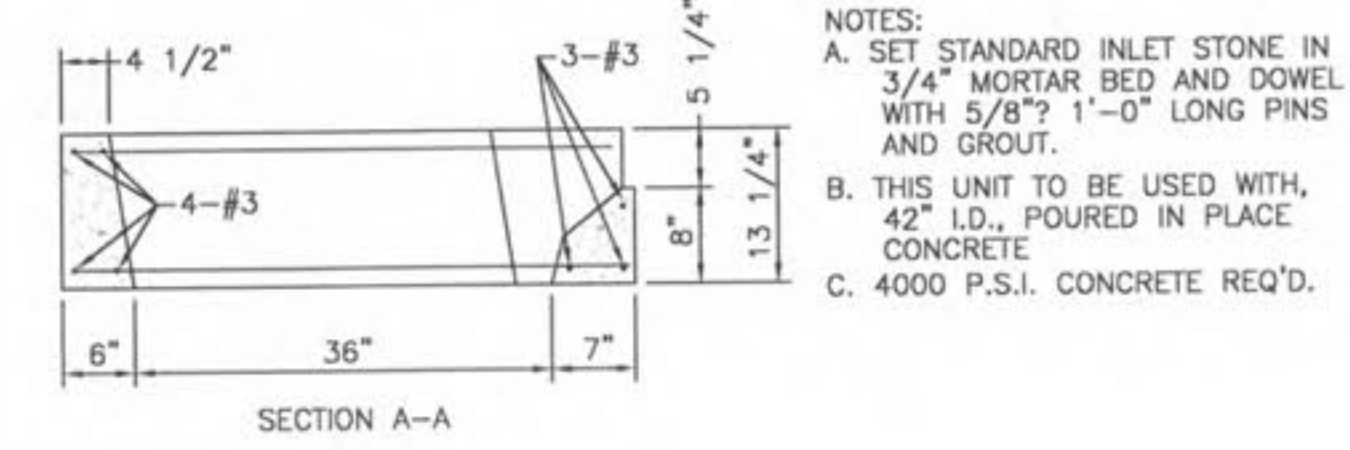
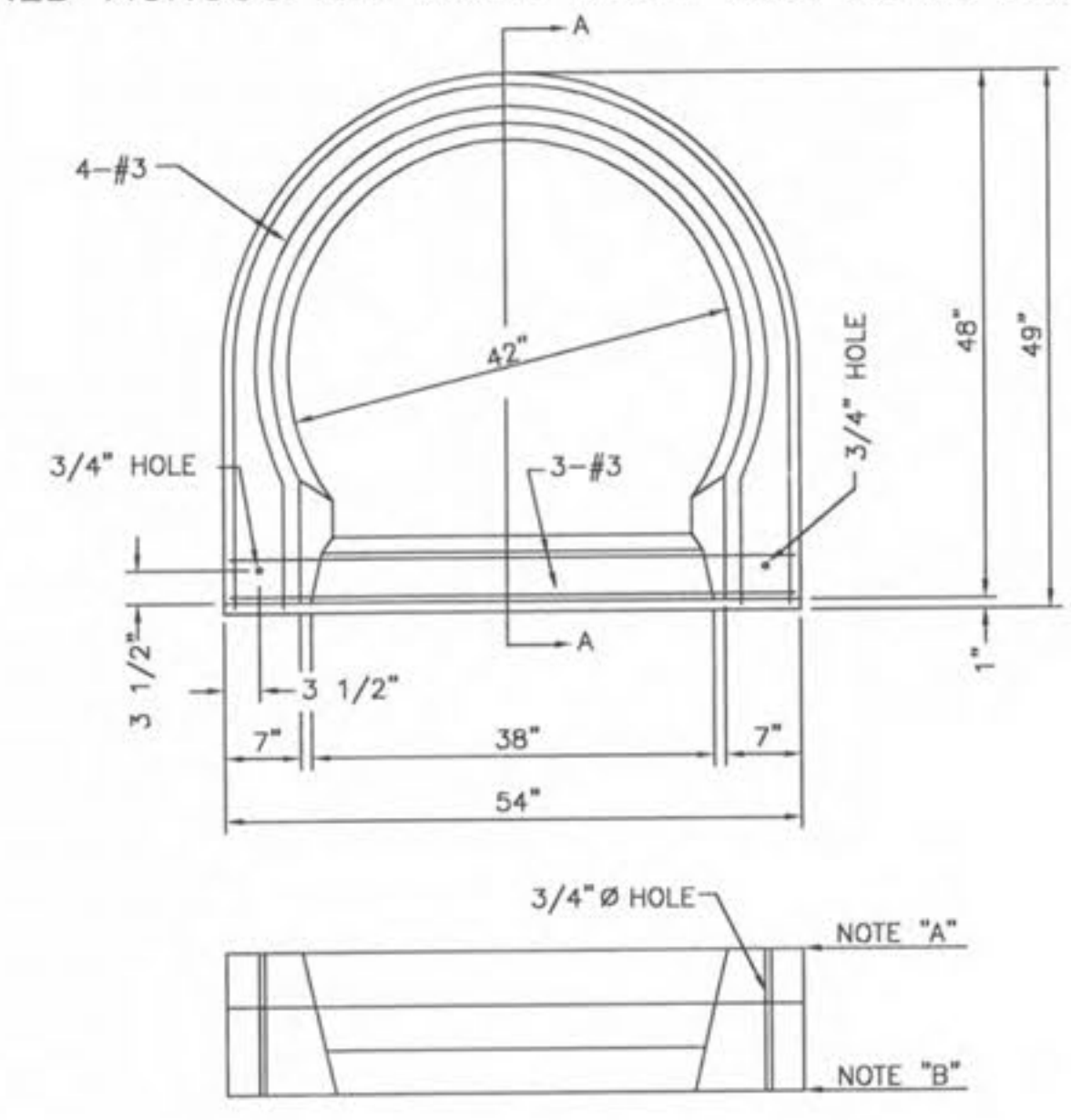
A 5/8" TRASH BAR WILL BE INSTALLED AND CENTERED ACROSS ALL AREA INLET AND CURB INLET OPENINGS



**1 SEDIMENT TRAP F - STRUCTURE 162**  
SCALE: N.T.S. REF. DWG.



**2 SEDIMENT TRAP H - STRUCTURE 167**  
SCALE: N.T.S. REF. DWG.



**3 SINGLE CURB INLET DETAIL**  
SCALE: N.T.S.

NOTES:  
A. SET STANDARD INLET STONE IN 3/4" MORTAR BED AND DOWEL WITH 5/8" 1'-0" LONG PINS AND GROUT.  
B. THIS UNIT TO BE USED WITH 42" I.D., POURED IN PLACE CONCRETE  
C. 4000 P.S.I. CONCRETE REQ'D.

TRAPEZOIDAL CHANNEL ANALYSIS  
NORMAL DEPTH COMPUTATION  
SEDIMENT TRAP "F"  
December 17, 2007

PROGRAM INPUT DATA	
DESCRIPTION	VALUE
Flow Rate (cfs)	46.57
Channel Bottom Slope (ft/ft)	0.01
Manning's Roughness Coefficient (n-value)	0.033
Channel Left Side Slope (horizontal/vertical)	3.0
Channel Right Side Slope (horizontal/vertical)	3.0
Channel Bottom Width (ft)	20.0

COMPUTATION RESULTS	
DESCRIPTION	VALUE
Normal Depth (ft)	0.66
Flow Velocity (fps)	3.21
Froude Number	0.727
Velocity Head (ft)	0.16
Energy Head (ft)	0.82
Cross-Sectional Area of Flow (sq ft)	14.51
Top Width of Flow (ft)	23.96

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Phone: (281)440-3787, Fax: (281)440-4742, Email: software@dodson-hydro.com  
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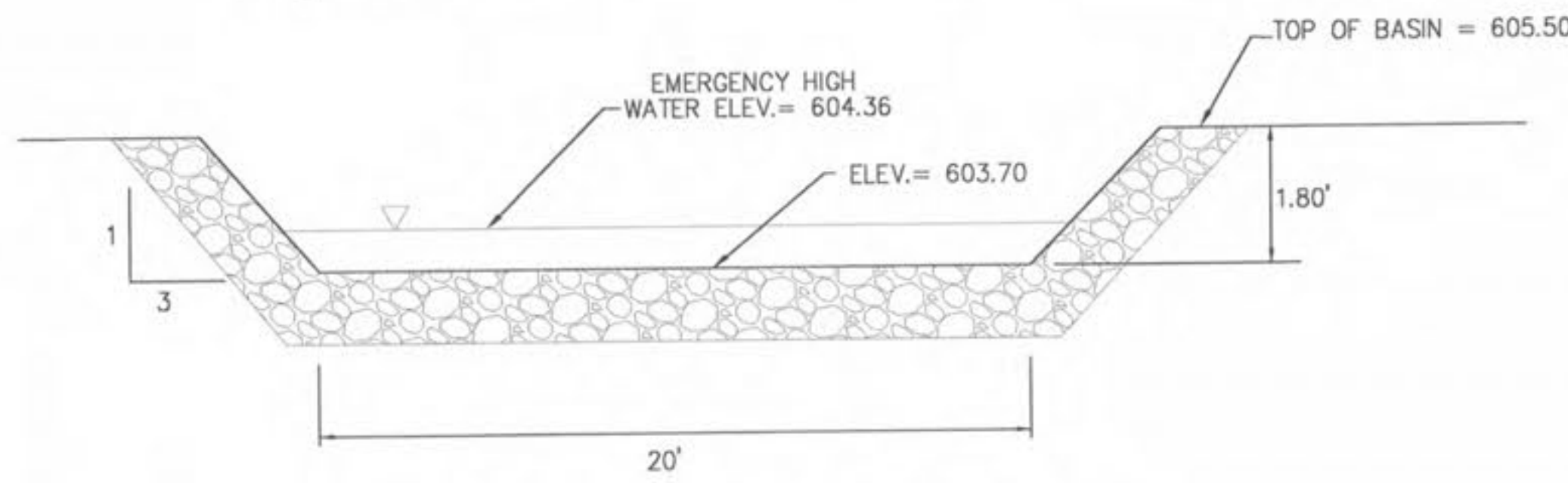
TRAPEZOIDAL CHANNEL ANALYSIS  
NORMAL DEPTH COMPUTATION  
SEDIMENT TRAP "G"  
December 17, 2007

PROGRAM INPUT DATA	
DESCRIPTION	VALUE
Flow Rate (cfs)	26.58
Channel Bottom Slope (ft/ft)	0.01
Manning's Roughness Coefficient (n-value)	0.033
Channel Left Side Slope (horizontal/vertical)	3.0
Channel Right Side Slope (horizontal/vertical)	3.0
Channel Bottom Width (ft)	10.0

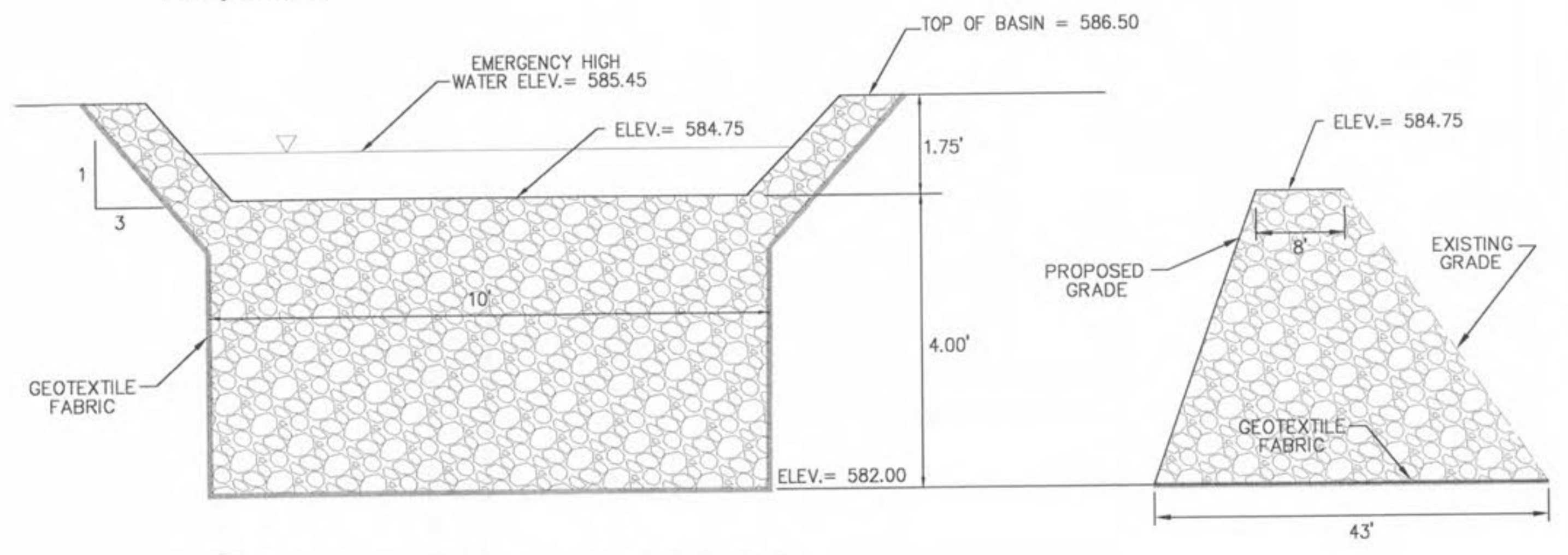
  

COMPUTATION RESULTS	
DESCRIPTION	VALUE
Normal Depth (ft)	0.70
Flow Velocity (fps)	3.15
Froude Number	0.721
Velocity Head (ft)	0.15
Energy Head (ft)	0.85
Cross-Sectional Area of Flow (sq ft)	9.43
Top Width of Flow (ft)	14.18

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**4 OVERFLOW DETAIL SEDIMENT TRAP "F"**  
SCALE: N.T.S. REF. DWG.



**5 OVERFLOW DETAIL SEDIMENT TRAP "G"**  
SCALE: N.T.S. REF. DWG.

**REVISIONS**

DATE	BY	DESCRIPTION
12/18/07	JKW	OWNER COMMENTS/CITY COMMENTS
7/17/08	JKW	CITY COMMENTS

DEVELOPER/OWNER:  
THE JONES COMPANY HOMES, L.L.C.  
16640 CHESTERFIELD GROVE, SUITE 200  
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SEAL: MIKE E. VONDERHEIDE, LICENSE NUMBER E-25077, EXPIRES 12/31/10

**PRESTON WOODS - PHASE III**  
MASS GRADING PLANS  
+ PARTIAL STORM SEWER  
ST. CHARLES, MO. 63366

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DESIGNED BY: JKW  
DRAWN BY: JKW  
CHECKED BY: JFH  
DATE: 8/13/07  
Job Number: 07-0178  
Sheet Number: G6.2

USER: jmlon TAB: G6.2 3:08pm  
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