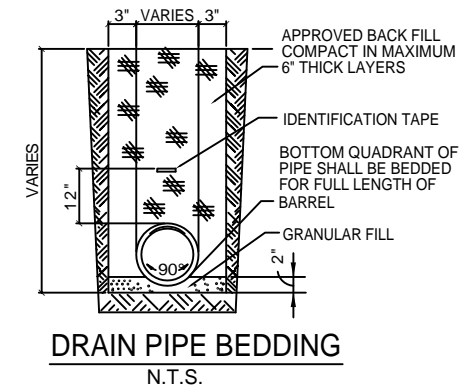
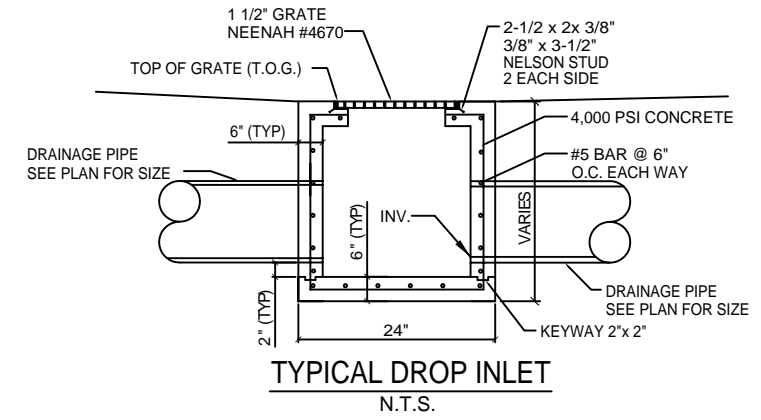


PROJECT:			
<b>[1] RATIONAL METHOD: Q=Aci</b>			
Peak discharge of watershed in cubic feet per second (cfs) due to maximum storm			
<b>[4] TC= <math>\frac{L^{0.8} \left(\frac{1000}{c} - 9\right)^{0.7}}{(1140(s^{0.5}))}</math></b>			
Time of concentration= time required for rain falling at most remote point to reach			
	0.9	5824	0.134
	0.25	0	0.000
	0.15	22963	sqft = 0.527
	0.30	28787	0.661
	60		Elev diff = 1
	0.30		
	1.6667		
	8.71		
Expected rainfall	2.33		
Q	0.465		
	0.9	77185	1.772
	0.14		0.000
	0.2	779431.3	sqft = 17.893
	0.26	856616.3	19.865
	959		Elev diff = 2.69
	0.26		
	0.2805		
	60.42		
and from Rainfall	2.33		
Q	12.054		

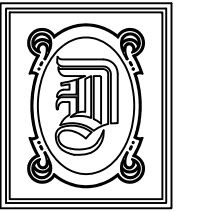


DRILL 4" HOLE IN 12" PVC CAP SOLVENT WELD TO DRAIN PIPE

**ORIFICE DETAIL**  
N.T.S.

GUTTERS AND DOWN SPOUTS TO BE SEAMLESS ALUMINUM 24 GAUGE, COLOR TO BE SELECTED BY OWNER. GUTTERS TO BE "OGEE" IN CROSS SECTION, MINIMUM 6" WIDTH.

- NOTES:**
- 1) DRAIN PIPE & FITTINGS WITHIN PROPERTY LINE SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE, MEETING CLASS 100 C-900 PVC.
  - 2) ELEVATIONS SHOWN ARE M.S.L.
  - 3) FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.
  - 4) MUCK OUT 24" DEEP FOR FOUNDATION PAD MINIMUM, OR TO UNDISTURBED SOIL CAPABLE OF 1500 PSF BEARING.
  - 5) DOWN SPOUTS SHALL FLOW INTO SUB-SURFACE DRAINAGE.
  - 6) THERE IS NO EVIDENCE OF EXISTING OFF-SITE FLOW CROSSING THE PROPERTY. NEW DRAINAGE CALCULATIONS ARE DETERMINED ACCORDINGLY.
  - 6) THERE IS NO EVIDENCE OF EXISTING OFF-SITE FLOW CROSSING THE



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**NEW CHURCH**

TABERNACLE  
BAPTIST CHURCH  
2445 FOURTH AVE.  
SLIDELL, LA

**DRAINAGE  
DETAILS AND  
CALCULATIONS**

REV:

SCALE: AS NOTED

JOB#: 2050

DATE: 2-8-10

SHEET 7

**C-6**

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