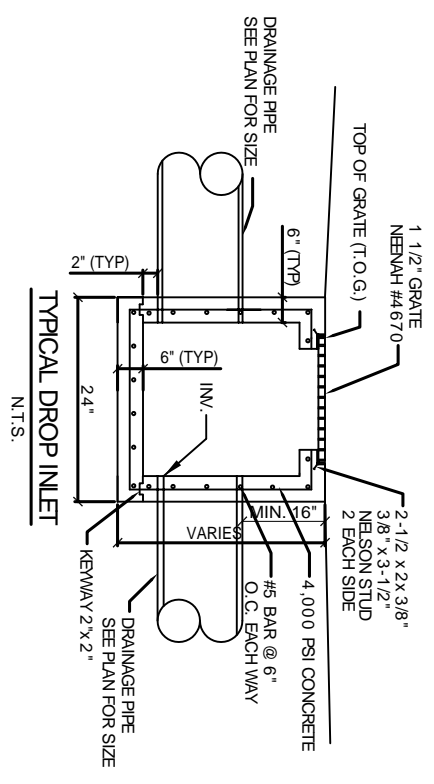
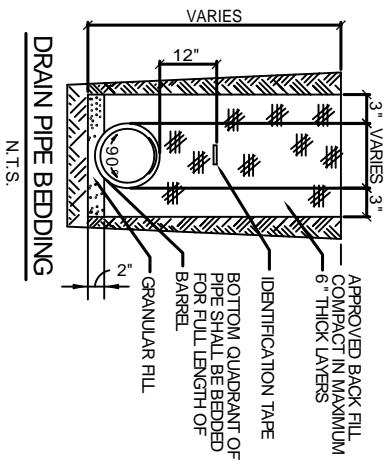


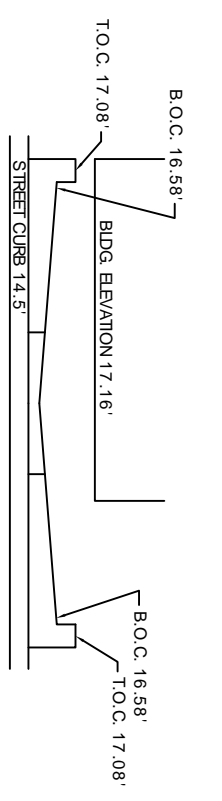
ORIFICE DETAIL  
N.T.S.



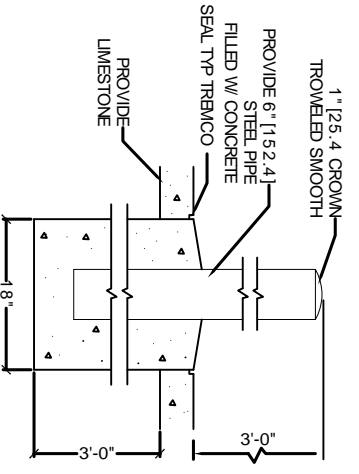
TYPICAL DROP INLET  
N.T.S.



DRAIN PIPE BEDDING  
N.T.S.

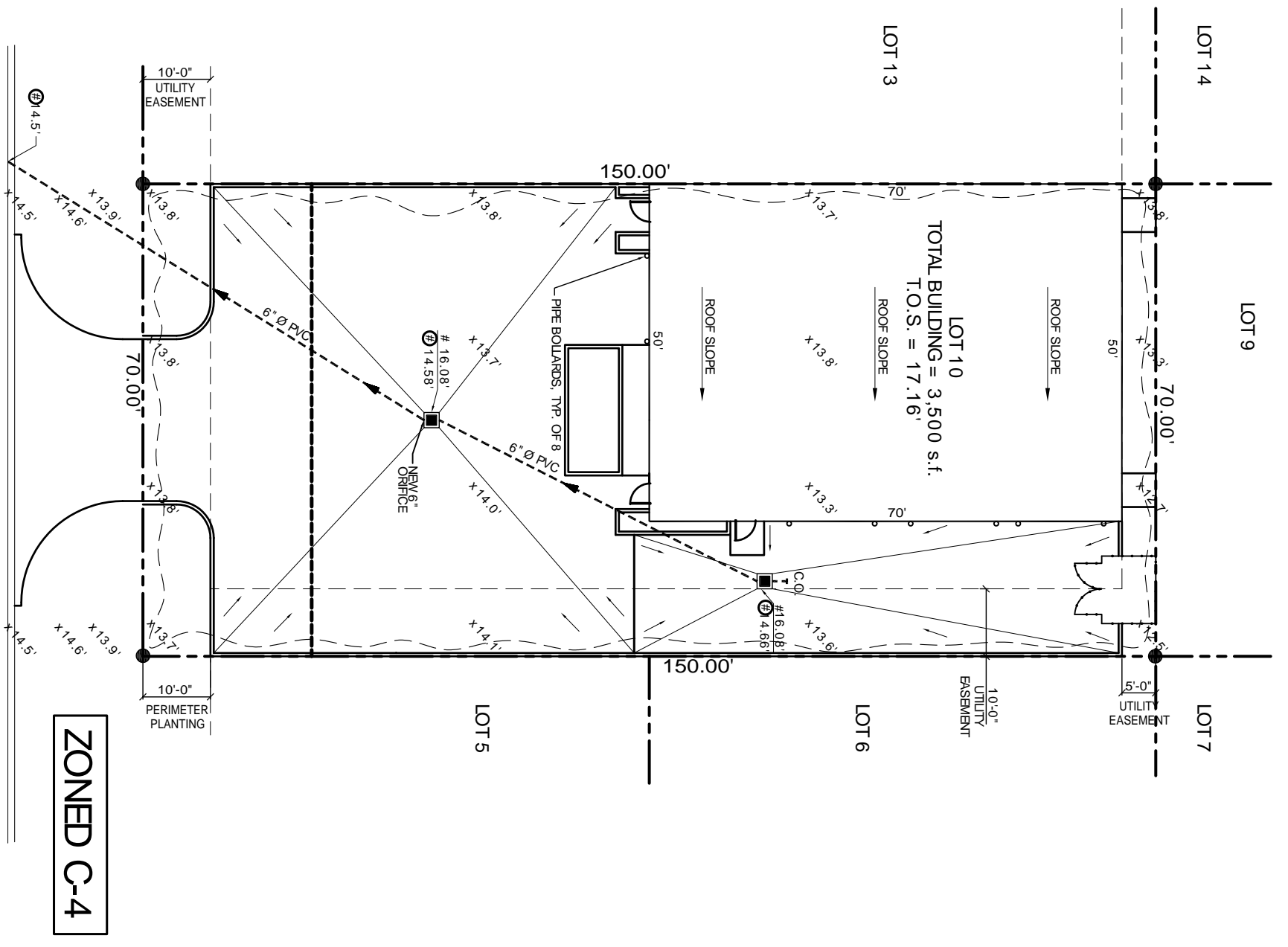


SECTION  
N.T.S.



PIPE BOLLARD DETAIL  
N.T.S.

SEE SHEET A-1 FOR LOCATIONS, TYP OF 8



TAOS STREET

ZONED C-4

DRAINAGE PLAN  
SCALE 1"=10'-0"



LEGEND:

- PROPERTY LINE
- SERVITUDE / EASEMENT
- BUILDING SETBACK
- NEW BUILDING
- NEW DRAIN LINE
- NEW DROP INLET W/TAMP SILT FENCING
- CONTROL JOINT
- SLOPE LINES
- T.O. GRATE ELEVATION
- INVERT ELEVATION
- NEW ELEVATIONS
- EXISTING ELEVATIONS
- TEMPORARY SILT FENCING
- NEW 6" CURB, SEE DETAIL THIS SHEET

ROSS GUASTELLA

PROJECT: 1789  
DRAINAGE RUN OFF CALCULATIONS - RATIONAL METHOD  
PRIOR DEVELOPMENT  
10 Year Frequency

Watershed Surfaces	c(1)	c(2)	c(3)	c
Gravel Surface	0.21	0	0	0.9
Green Space	0.35	10,500	10,500	0.35
Summary		10,500	10,500	0.35

Duration (D) = Time of concentration (TC)  
TC = 7.039(L<sup>0.3877</sup>C<sup>-1.1309</sup>)<sup>0.77</sup> = 1.985  
where  
L = 150  
C = 0.35  
S = 0.6667  
TC = D = 17.81 minutes or 0.297 hours  
therefore  
and from Rational Intensity Table  
Q<sub>a</sub> = 0.380 cfs  
RUNOFF LIMIT 90%

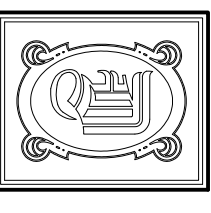
Watershed Surfaces	c(1)	c(2)	c(3)	c
Gravel Surface	0.21	0	0	0.9
Green Space	0.35	1148	1148	0.35
Summary		10500	10500	0.35

D = Time of concentration (TC)  
TC = 7.039(L<sup>0.3877</sup>C<sup>-1.1309</sup>)<sup>0.77</sup> = 1.985  
where  
L = 150  
C = 0.84  
S = 0.3333  
TC = D = 7.59 minutes or 0.1265 hours  
therefore  
and from Rational Intensity Table  
Q<sub>a</sub> = 1.539 cfs

DETECTION REQUIRED	Q <sub>a</sub> -Q <sub>1</sub>	ONE HOUR DETENTION DEFENTION DIMENSIONS	WIDTH	LENGTH	DEPTH
1.97' cfs	4308.9 cdf	70 feet	132 feet	0.47 feet	

Q = cA(2gh)<sup>1/2</sup>  
Allowable run off  
Friction loss factor  
Acceleration  
Height above invert  
End area  
REQUIRED CONDUIT =  
USE 6" Office

- NOTES:
- 1) DRAIN PIPE & FITTINGS WITHIN PROPERTY LINE SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE MEETING CLASS 100 C900 PVC.
  - 2) ELEVATIONS SHOWN ARE M.S.L.
  - 3) FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM.
  - 4) PLACE BOLLARDS PRIOR TO START OF WORK.
  - 5) MUCK OUT 24" DEEP FOR FOUNDATION PAD MINIMUM, OR TO UNDISTURBED SOIL CAPABLE OF 1,800 PSF BEARING.
  - 6) DOWN SPOUTS SHALL FLOW INTO SUB-SURFACE DRAINAGE.
  - 7) THERE IS NO EVIDENCE OF EXISTING OFF-SITE FLOW CROSSING THE PROPERTY. NEW DRAINAGE CALCULATIONS ARE DETERMINED ACCORDINGLY.
  - 8) NEW DRAINAGE SWALES SHALL BE CONSTRUCTED PER FIELD REQ. N/A



1095 FLORIDA AVENUE  
SLIDEL, LA. 70458  
OFFICE: 985-649-5832  
FAX: 985-641-5950

WEBSITE: WWW.DAMMONENGINEERING.COM  
EMAIL: DAMMONENGB@BLSOUTH.NET

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NEW OFFICE/  
WAREHOUSE

ROSS & MIKE GUASTELLA  
LOT #10 TAOS STREET  
SLIDEL, LA 70458

DRAINAGE  
PLAN

REV: SCALE: AS NOTED  
JOB#: 1572  
DATE: 6-6-08  
SHEET 5  
C-4  
OF 17