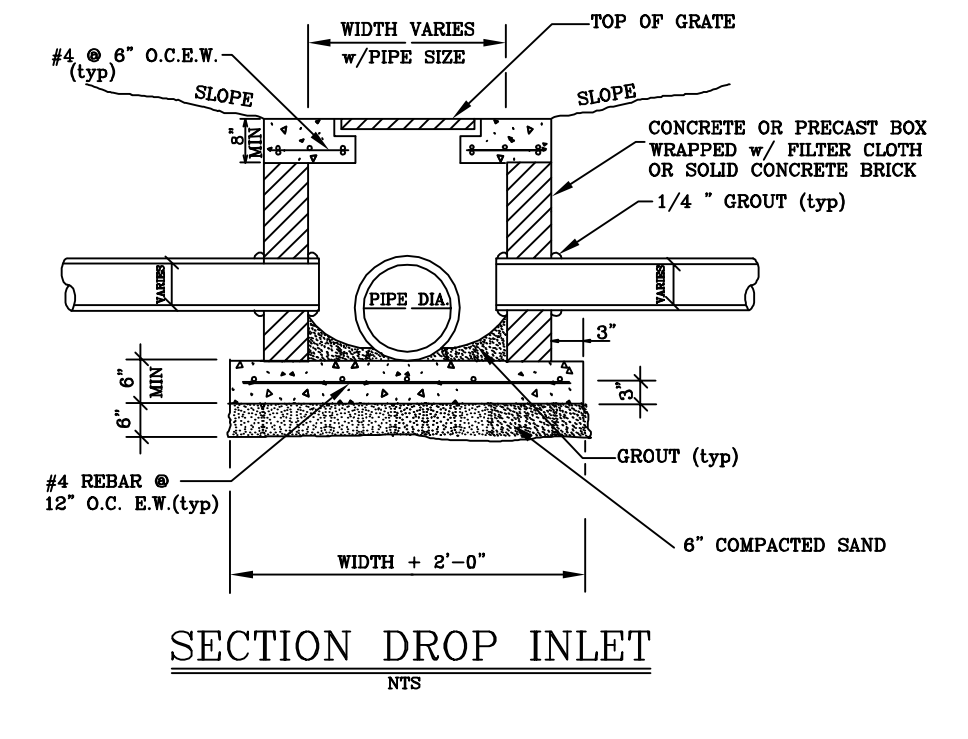
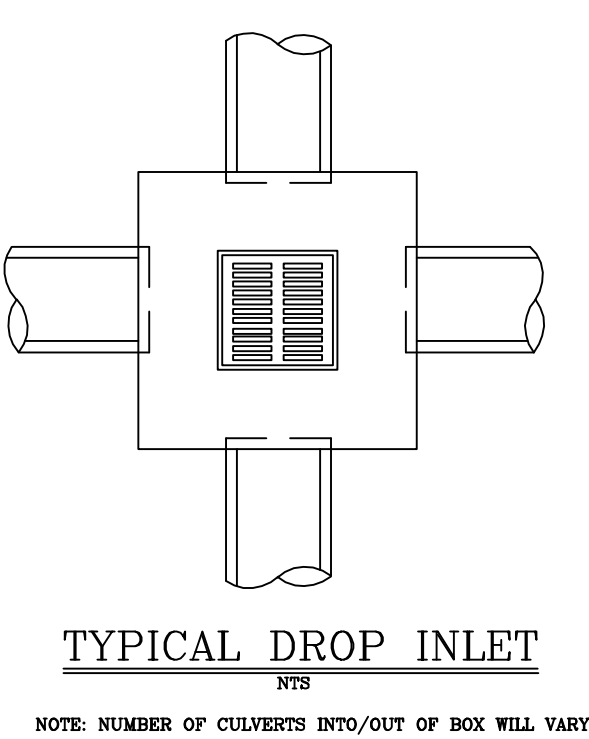
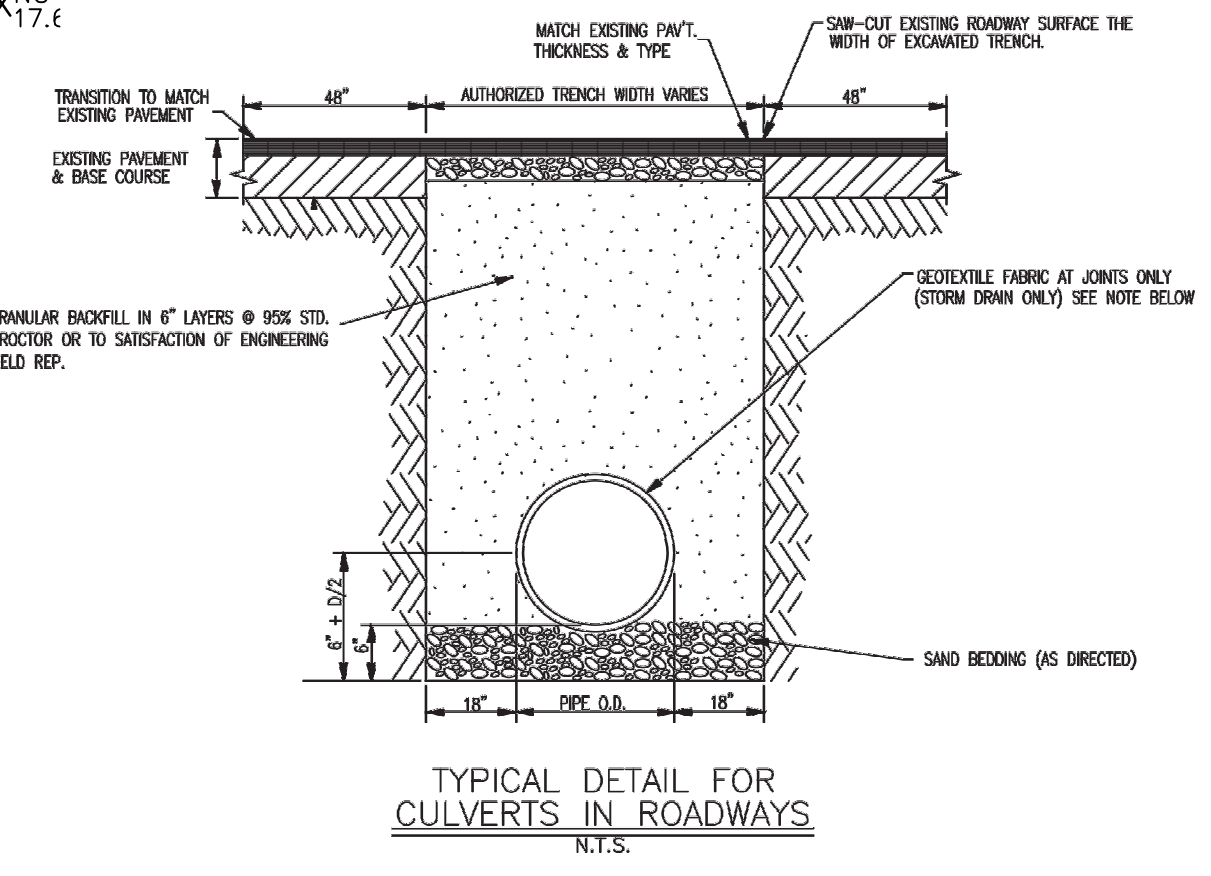
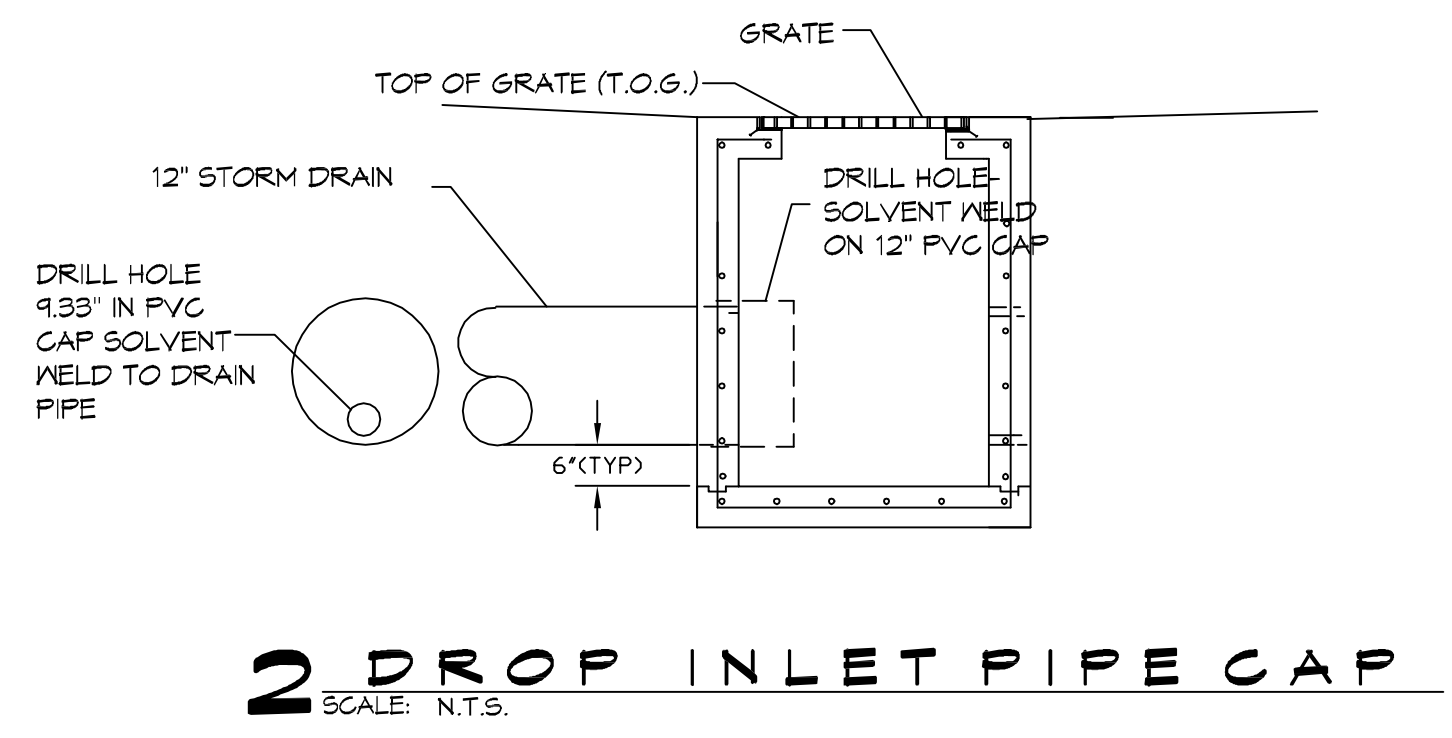


PROJECT: RESTAURANT																							
STORMWATER RUNOFF CALCULATIONS																							
Formula used: [1] RATIONAL METHOD: $Q = CiA$																							
where: Q = Peak discharge of watershed in cubic feet per second (cfs) (due to maximum storm assumed)																							
A = Area of watershed in acres																							
C = Coefficient of runoff (C)																							
I = Intensity of rainfall in inches per hour based on concentration time (T _c)																							
[4] $T_c = \frac{L^{0.75}}{484} \left(\frac{1000}{S} + 9 \right)^{0.75}$																							
where: T_c = Time of concentration, time required for rain falling at most remote point to reach discharge point																							
L = Site runoff coefficient based on conditions shown																							
S = Percent slope of overland flow																							
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- ### DRAINAGE NOTES
- ELEVATIONS SHOWN ARE MSL.
 - FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.
 - PROVIDE VERTICAL ELBOW AT DOWNSPOUTS WITH SPLASH BLOCKS.
- ### DRAINAGE LEGEND
- TOP OF CONCRETE ELEVATION
 - TOP OF GRATE ELEVATION
 - INVERT OF PIPE ELEVATION
 - 15" ARC OF DRAIN PIPE IN DITCH
 - PVC PIPE IN PARKING AREA
 - NEW ELEVATION
 - NATURAL GRADE
 - SLOPE
- ### FLOOD ZONE
- ZONE 'C'
- ### BUILDING ELEVATION
- FINISHED FLOOR ELEVATION = 19.00'



- NOTES:
- ALL GEOTEXTILE FABRIC TO BE 3'-0" WIDE AND TO OVERLAP NO LESS THAN 1/2 OF PIPE DIAMETER. COST OF FABRIC IS TO BE ABSORBED IN THE UNIT PRICE OF DRAIN PIPE AND SHALL NOT BE MEASURED FOR SEPARATE PAYMENT.
 - ADDITIONAL BEDDING MATERIAL MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
 - TIMBER PLANKING UNDER CULVERTS MAY BE REQUIRED BY ENGINEER.

3 PIPE BEDDING AND DROP INLET

SCALE: N.T.S.

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mestich, P.E.
www.dammonengineering.com
info@dammonengineering.com
Phone: 985.687.8224

DATE	REVISIONS
9/26/2019 <td>1 REVISED CUT/FILL CALCS </td>	1 REVISED CUT/FILL CALCS



NEW RESTAURANT
ABACAZANT
RESTAURANT

1930 LA HWY. 22 WEST
MADISONVILLE, LA 70447

JOB NO: 2345 DATE: 11-19-2019
DRAWN BY: BMM
CHECKED BY: CAC

SHEET TITLE:
DRAINAGE PLAN

DRAWING NUMBER:
C101

SHEET No: 1 of 3