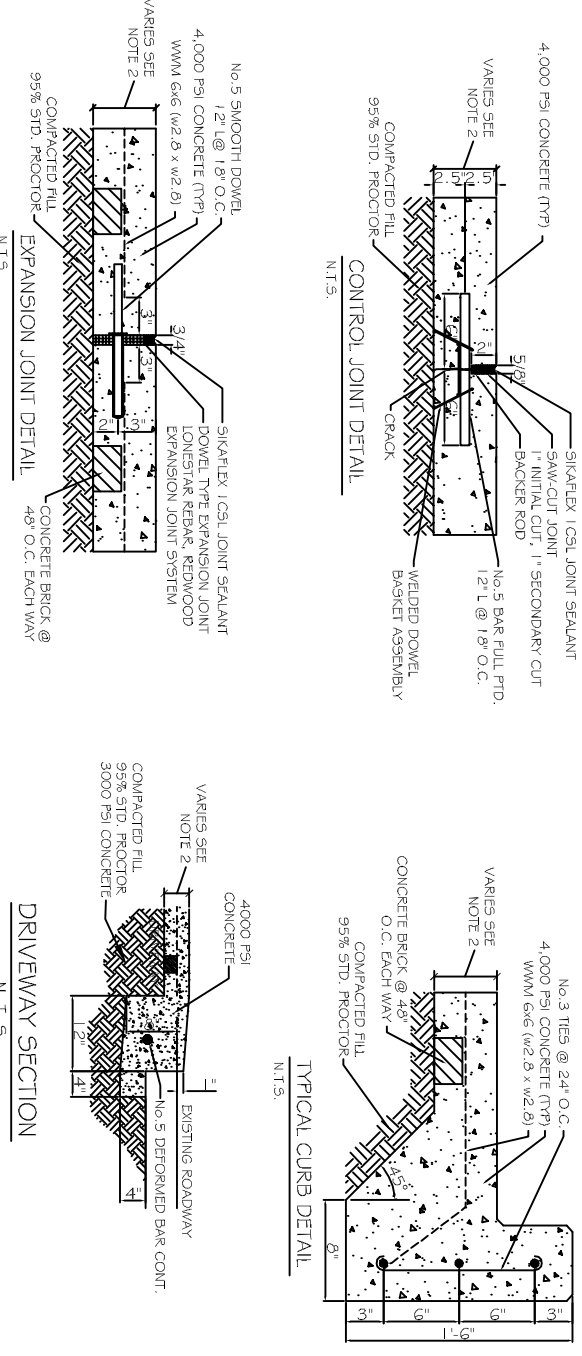


PAVING & DRAINAGE PLAN
SCALE: 1" = 10'

PAVING NOTES:

- 1) ALL NEW CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND A MINIMUM THICKNESS OF 5". CONCRETE MIX SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF ASTM C-150 TYPE 1.
- 2) CONCRETE PAVING THICKNESS SHALL VARY AS FOLLOWS:
 - a) DRIVEWAYS = 7" THICKNESS
 - b) DRIVEWAYS = 6" THICKNESS
 - c) PARKING AREAS = 5" THICKNESS
 - d) ALL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
 - e) ALL REINFORCING STEEL SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT. ALL CONTROL AND EXPANSION JOINTS SHALL BE LOCATED AND INSTALLED AS SHOWN ON THE PAVING PLAN AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - f) ALL SUB GRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
 - g) CONTRACTOR SHALL CONTACT THEIR REGULATORY DEPARTMENT OF ENGINEERING PRIOR TO CONDUCTING ANY WORK.
 - h) ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR APPROVAL FROM THE CITY TRAFFIC ENGINEERING DIVISION, AND MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.



- LEGEND
- PROPERTY LINE
 - SETBACK LINE
 - CONTROL JT. 10'x15'
 - EXPANSION JT. 30'x45'
 - SHEET FLOW ARROW
 - INVERT ELEVATION
 - TOP OF GRATE ELEVATION
 - NEW ELEVATION

DRAINAGE PLAN 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. THERE IS NO DRAINAGE OF EXISTING OFF-SITE FLOW CROSSING THE PROPERTY.

PROJECT: **Feast Catering**
DRAINAGE RUN OFF CALCULATIONS - RATIONAL METHOD
PRIOR DEVELOPMENT
10 Year Frequency

Q = CIA

Watersight Surfaces	c(1) = 0.9	0	sqft = 0.000 Acres
Gravel Surface	c(2) = 0.14	0	sqft = 0.000 Acres
Green Space	c(3) = 0.21	10500	sqft = 0.241 Acres
Summary	c = 0.21	10500	sqft = 0.241 Acres

Duration (D) = Time of concentration (TC)
 $TC = 7039(L \wedge 0.3917)(c \wedge -1.1309)(S \wedge -1.985)$
 where
 L = 150
 c = 0.21
 S = 1.3333
 therefore
 TC = D = 4.50
 and from Rainfall Intensity Table I = 4.50

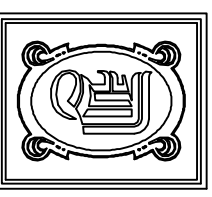
Q = 0.228 cfs **RUNOFF LIMIT%** 0.205 cfs
 POST DEVELOPMENT
 10 Year Frequency

Watersight Surfaces	c(1) = 0.9	8968	sqft = 0.206 Acres
Gravel Surface	c(2) = 0.14	0	sqft = 0.000 Acres
Green Space	c(3) = 0.21	1532	sqft = 0.035
Summary	c = 0.80	10500	sqft = 0.241 Acres

D = Time of concentration (TC)
 $TC = 7039(L \wedge 0.3917)(c \wedge -1.1309)(S \wedge -1.985)$
 where
 L = 109
 c = 0.80
 S = 0.4587
 therefore
 TC = D = 6.65
 and from Rainfall Intensity Table I = 7.60

Q = 1.464 cfs
RESULTS
 DETENTION REQUIRED
 ONE HOUR DETENTION
 DETENTION DIMENSIONS
 DISCHARGE END AREA CALCULATIONS

Q = CA/29H^1/2
 Allowable run off
 Friction loss factor
 Acceleration
 Height above invert
 End area
REQUIRED CONDUIT = 4 inch diameter



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FEAST CATERING NEW ADDITION
 109 TAOS STREET
 SLIDELL LA

PAVING AND DRAINAGE PLAN

REV:
 SCALE: AS NOTED
 JOB#: 2140
 DATE: 04-20-12
 SHEET
C-2
 OF