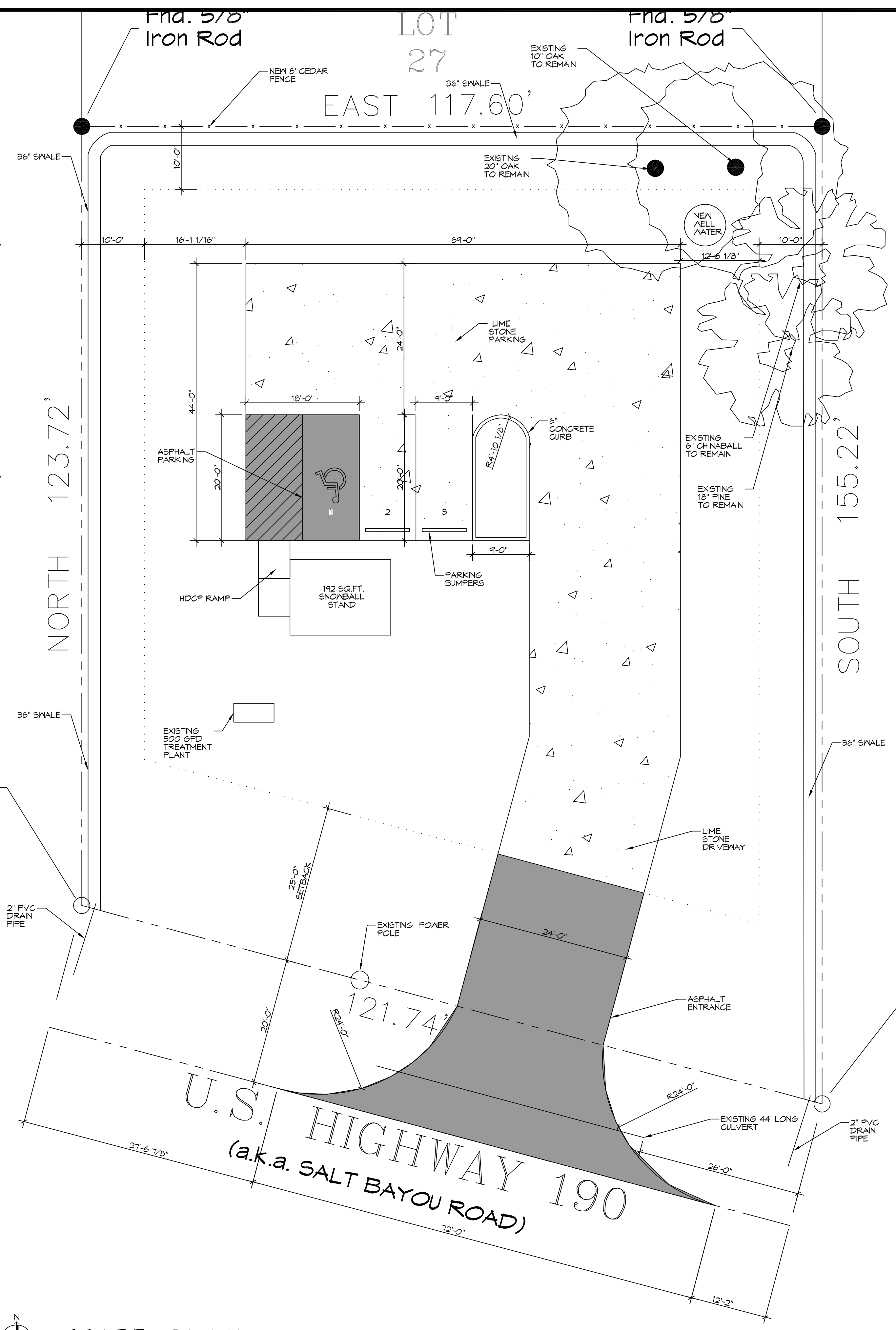


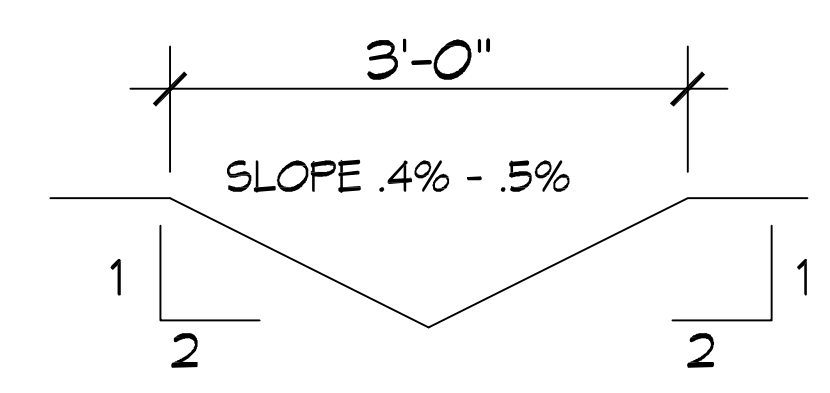
EAST STREET  
(NOT CONSTRUCTED)

Set 1/2" Iron Rod

Set 1/2" Iron Rod



1 SITE PLAN  
SCALE: 1" = 10'-0"



2 SWALE SECTION  
SCALE:

<b>PLANNING</b>
LOT 28 - 31 SQ. FT. ZONED HIGHWAY COMMERCIAL
<b>FLOOD ZONE</b>
ZONE 'C'
<b>BUILDING ELEVATION</b>
BASE FLOOD ELEVATION = C BFE = N/A FINISHED FLOOR ELEVATION = 12' ABOVE NATURAL GRADE
<b>PARKING</b>
RETAIL : 1 SPACE PER EACH 350 SQ. FT. OF GROSS FLOOR AREA EXCLUDING STORAGE AREAS WHICH SHALL NOT EXCEED 15 PERCENT OF THE GROSS SQUARE FOOTAGE AREA: 192 / 350 = 1 REQUIRED TOTAL OF 3 PARKING SPACES PROVIDED

PROJECT: Pisciotta	
DISCHARGE RUNOFF CALCULATIONS - RATIONAL METHOD	
PRIOR DEVELOPMENT 10 Year Frequency	
Q <sub>p</sub> = CIA	
Watertight Surfaces (C1) = 0.08	0 sqft = 0.000 Acres
Gravel Surface (C2) = 0.14	0 sqft = 0.000 Acres
Green Space (C3) = 0.21	15339 sqft = 0.376 Acres
Summary (C) = 0.21	15339 sqft = 0.376 Acres
Duration (D) = Time of concentration (TC) TC = 70266 * 0.39776 * 1.13006 * 1.1895	
where	L = 123 Runoff length ft c = 0.21 Runoff coef S = 0.8130 Percent Slope TC = D * L = 28.23 minutes of and from Rainfall Intensity I = 5.98 in/hr
Q <sub>p</sub> = 0.353 cfs	RUNOFF LIMIT 90% = 0.354 cfs
FIRST DEVELOPMENT 10 Year Frequency	
Q <sub>p</sub> = CIA	
Watertight Surfaces (C1) = 0.08	390 sqft = 0.002 Acres
Gravel Surface (C2) = 0.14	3790 sqft = 0.087 Acres
Green Space (C3) = 0.21	15247 sqft = 0.350 Acres
Summary (C) = 0.21	19997 sqft = 0.459 Acres
Duration (D) = Time of concentration (TC) TC = 70266 * 0.39776 * 1.13006 * 1.1895	
where	L = 123 Runoff length ft c = 0.23 Runoff coef S = 0.8098 Percent Slope TC = D * L = 26.98 minutes of and from Rainfall Intensity I = 5.90 in/hr
Q <sub>p</sub> = 0.528 cfs	
RESULTS	
RETENTION REQUIRED Q <sub>p</sub> > Q <sub>p</sub>	0.174 cfs
ONE HOUR DETENTION	625.1 cuft
RETENTION DIMENSIONS	WIDTH = 3 feet LENGTH = 385 feet DEPTH = 0.54 feet
DISCHARGE END AREA CALCULATIONS	
Q = CAQ <sup>0.5712</sup>	where Q is allowable run off
Allowable run off	Q = 0.354 cfs
Friction loss factor	c = 0.98 coefficient
Acceleration	a = 32.2 ft/sec <sup>2</sup>
Height above invert	H = 1.00 feet
End area	A = 0.05 sqft
REQUIRED CONDUIT =	2.37 inch diameter
USE	2" EACH END

**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI

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Chief Engineer: Brian Mitchel, PE  
Info: dammon@dammonengineering.com

REVISIONS	DATE
#	DESCRIPTION



ZACK'S SNACKS SNOWBALL STAND  
MIKE MISCIOTTA  
LOTS 21-31  
U.S. HWY 190  
SLPELL, LA

JOB No: 2392 DATE: 06-17-2019  
DRAWN BY: CSD CHECKED BY: BMM

SHEET TITLE:  
SITE PLAN

DRAWING NUMBER:  
**C101**