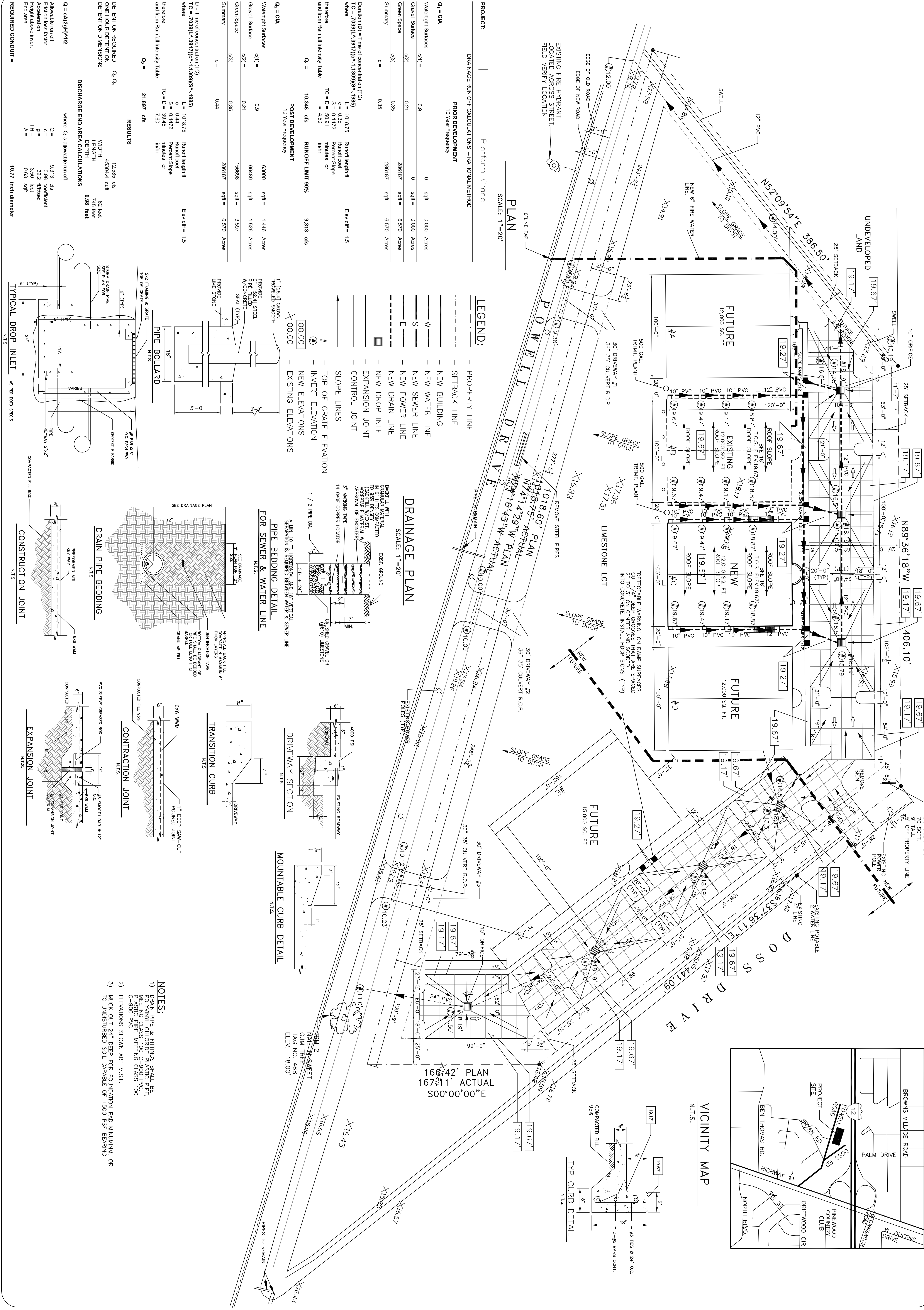


VICINITY MAP
N.T.S.



PROJECT: DRAINAGE RUN OFF CALCULATIONS - RATIONAL METHOD
Platform Crane

PRIOR DEVELOPMENT
10 Year Frequency

Q₁ = CIA

Waterlight Surfaces	c(1) =	0.9	sqft =	0.000 Acres
Gravel Surfaces	c(2) =	0.21	sqft =	0.000 Acres
Green Space	c(3) =	0.35	sqft =	6.570 Acres
Summary	c =	0.35	sqft =	6.570 Acres

Q₂ = CIA

Waterlight Surfaces	c(1) =	0.9	sqft =	1.446 Acres
Gravel Surfaces	c(2) =	0.21	sqft =	1.526 Acres
Green Space	c(3) =	0.35	sqft =	3.597 Acres
Summary	c =	0.44	sqft =	6.570 Acres

Q₃ = CA(24H)^{1/2}

where Q is allowable run off

Allowable run off = 9.313 cfs
Friction loss factor = 0.28 coefficient
Acceleration = 32.2 ft/sec
Height above invert = 3.50 feet
End area = 0.63 sqft
A = 10.77 inch diameter

REQUIRED CONDUIT =

DETENTION REQUIRED ONE HOUR DETENTION DETENTION DIMENSIONS

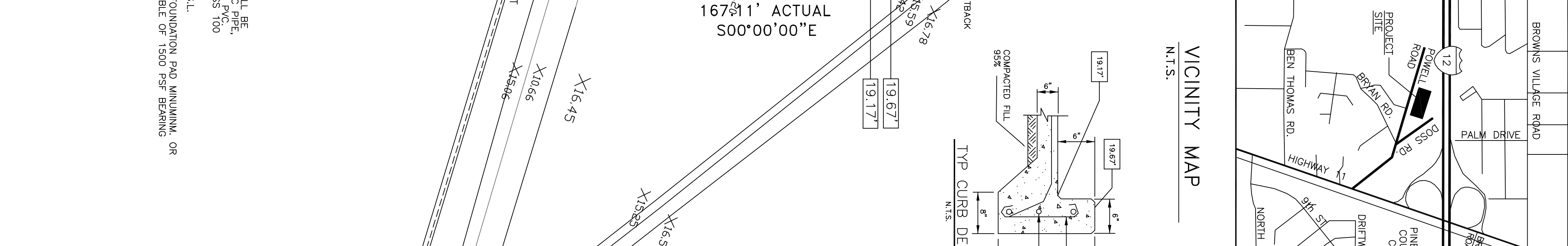
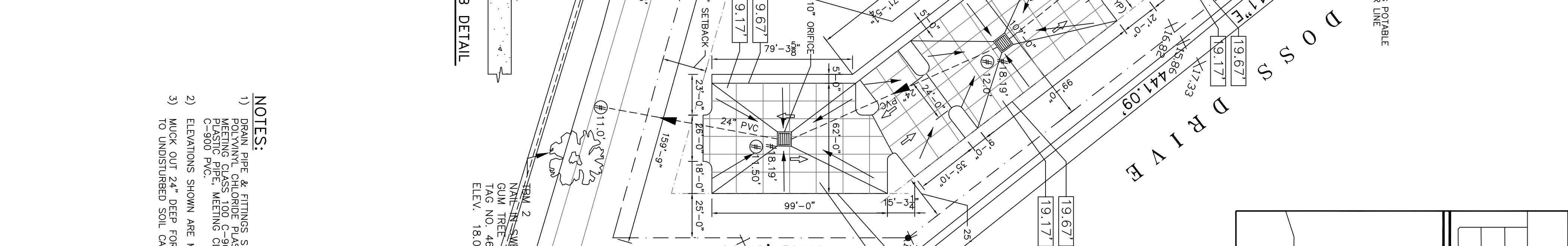
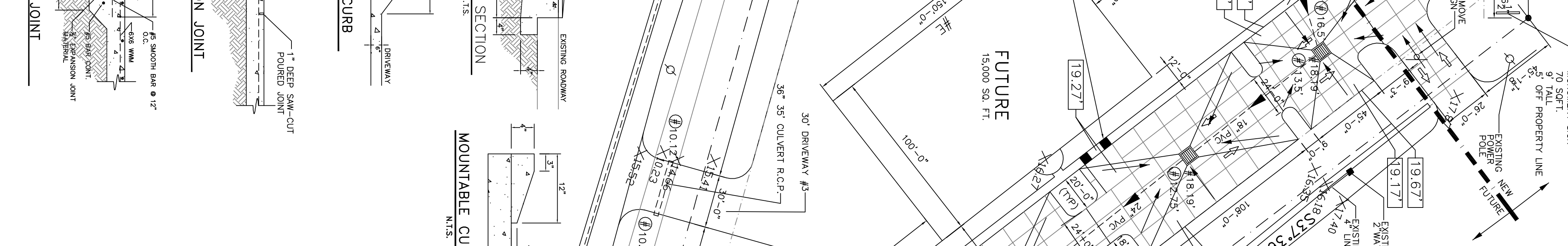
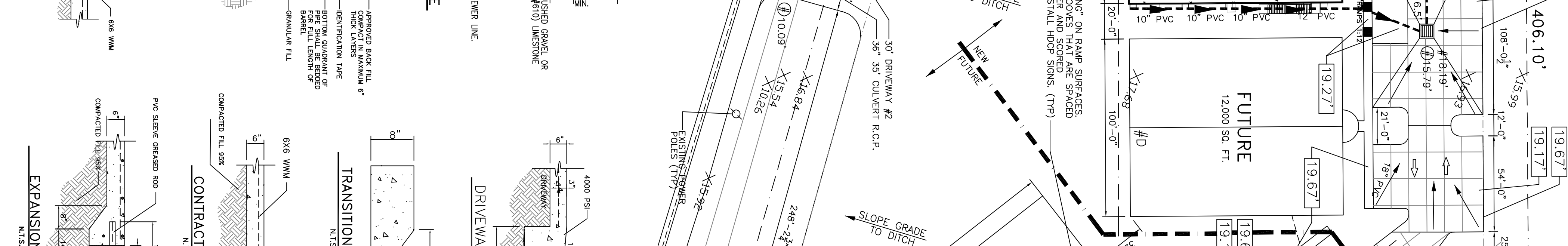
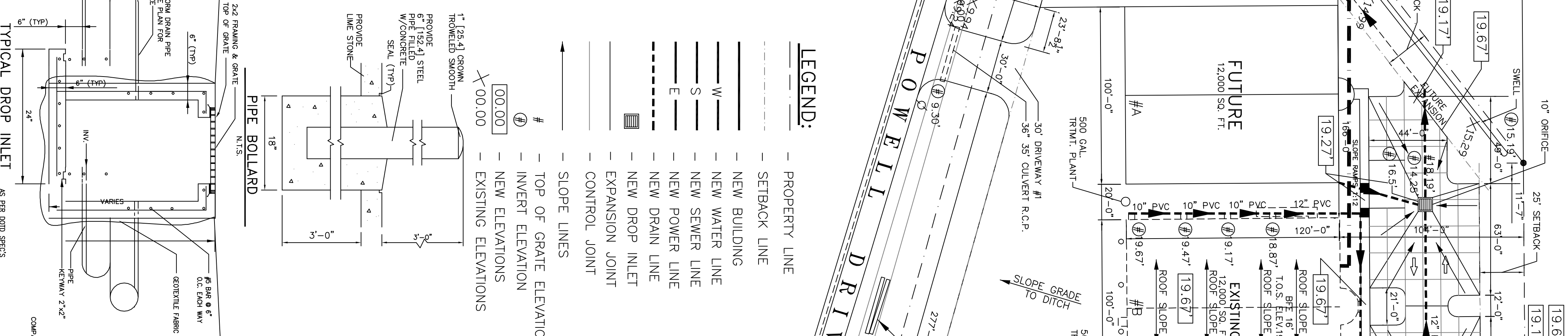
WATERIGHT SURFACES

Gravel Surface c(1) = 0.9 sqft = 1.446 Acres
Green Space c(3) = 0.35 sqft = 3.597 Acres
Summary c = 0.44 sqft = 6.570 Acres

RESULTS

DETENTION REQUIRED ONE HOUR DETENTION DETENTION DIMENSIONS

WIDTH 12.586 cfs
LENGTH 4.550/4 cdf
DEPTH 745 feet
0.98 feet



LEGEND:

- PROPERTY LINE
- SETBACK LINE
- NEW BUILDING
- NEW WATER LINE
- NEW SEWER LINE
- NEW POWER LINE
- NEW DRAIN LINE
- NEW DROP INLET
- EXPANSION JOINT
- CONTROL JOINT
- SLOPE LINES
- TOP OF GRATE ELEVATION
- INVERT ELEVATION
- NEW ELEVATIONS
- EXISTING ELEVATIONS

DRAINAGE PLAN
SCALE: 1" = 20'

PIPE BEDDING DETAIL FOR SEWER & WATER LINE
SCALE: 1" = 20'

EXPANSION JOINT
SCALE: 1" = 20'

CONTRACTION JOINT
SCALE: 1" = 20'

TRANSITION CURB
SCALE: 1" = 20'

MOUNTABLE CURB DETAIL
SCALE: 1" = 20'

TYP. CURB DETAIL
SCALE: 1" = 20'

OFFICE/WAREHOUSE

DAMMON ENGINEERING, INC.

1095 FLORIDA AVENUE 985-649-5832 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

DRAINAGE PLAN

PLATFORM CRANE SERVICE
DOSS DRIVE
SLIDELL, LOUISIANA

SCALE:AS NOTED

FILE: JOB NO.1842

DATE:02-15-07

SHEET

OF 3