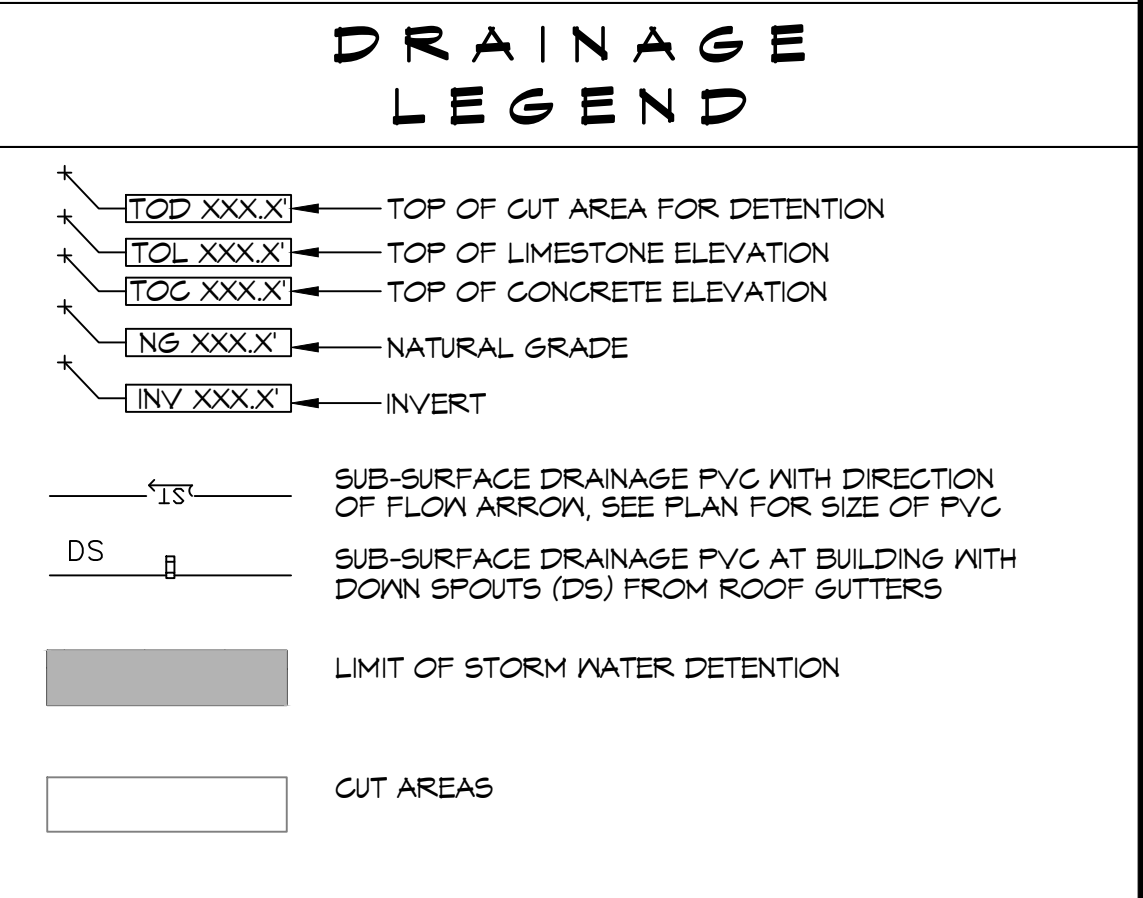
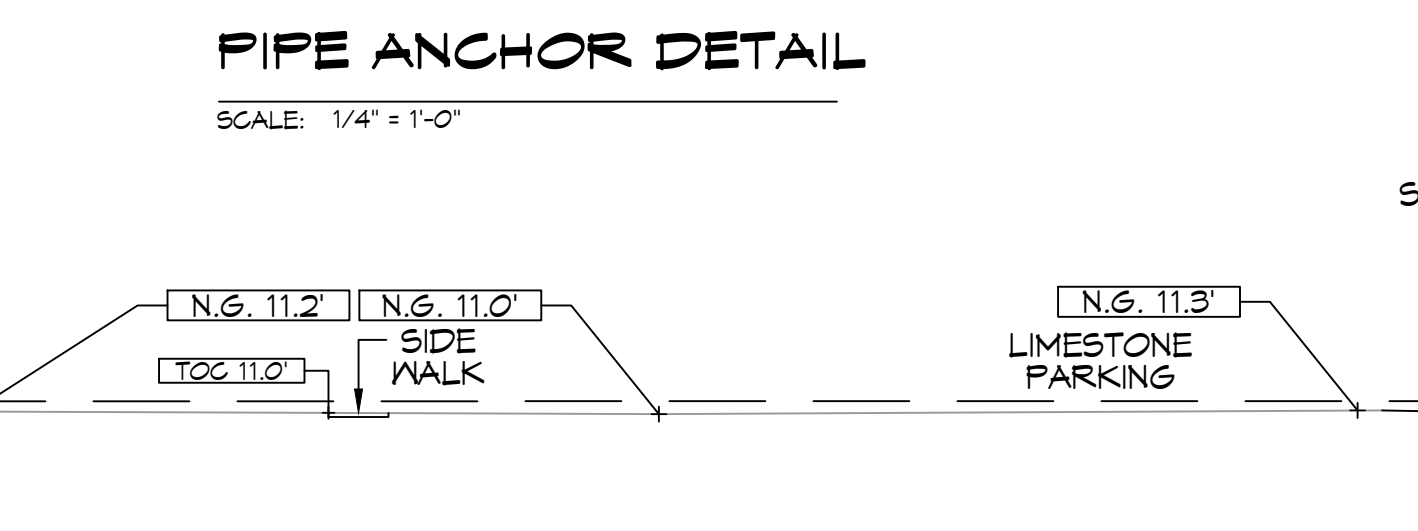
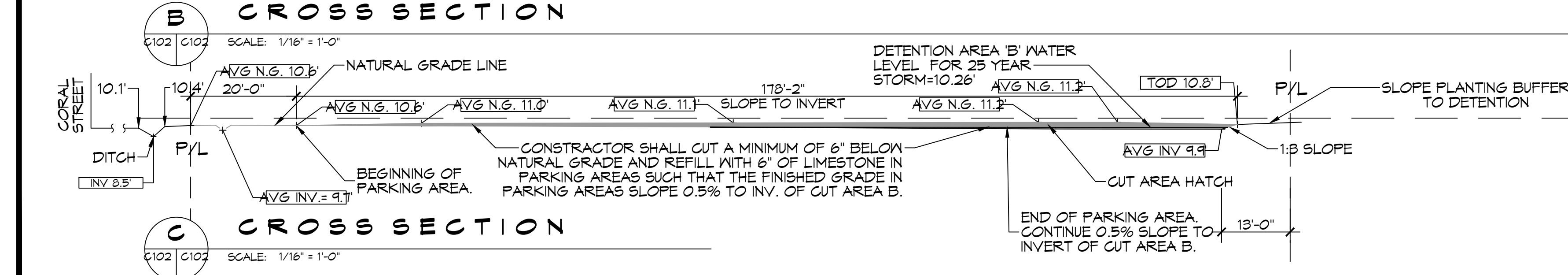
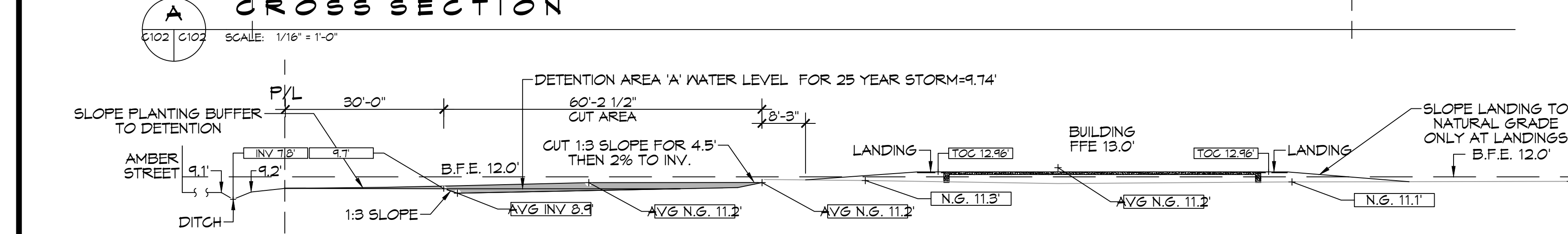
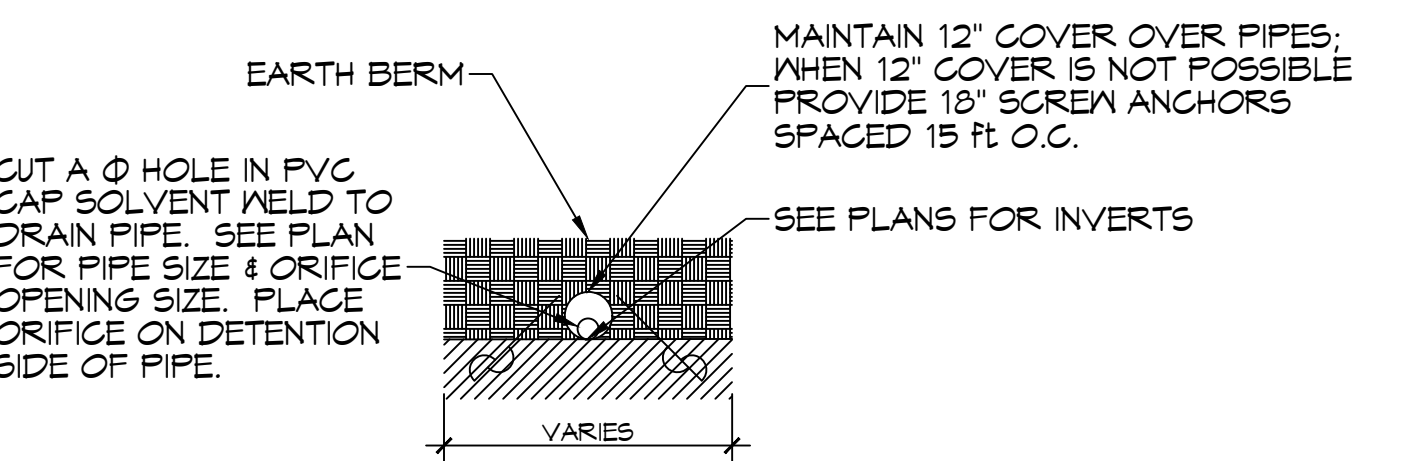
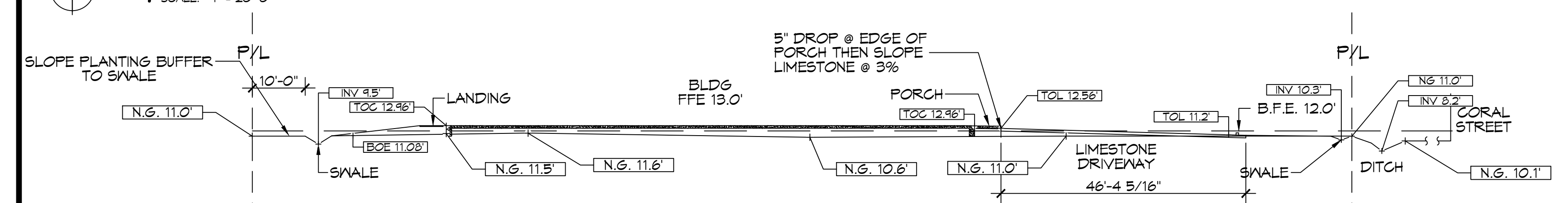


- ### DRAINAGE NOTES
- DRAIN PIPE AND FITTINGS WITHIN PROPERTY LINE SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE, MEETING CLASS 100 C-400 PVC.
 - ELEVATIONS SHOWN ARE MSL.
 - FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.
 - PROVIDE VERTICAL ELBOW AT DOWNSPOUTS FOR CONNECTION TO SUBSURFACE DRAINAGE WHERE INDICATED. ELBOW ID SHALL BE SIZED SUCH THAT THE DOWNSPOUT CAN BE INSERTED INTO THE PIPE OPENING WITHOUT DEFORMATION TO THE DOWNSPOUT.



CUT/FILL CALCULATIONS

- BFE = 12.0'. FILL CALCULATIONS WERE BASED ON EXISTING ELEVATIONS UP TO BFE + 1' = 13.0'.
 - SECTION A:
 - (21.9 s.f. x 10ft Rear Landing) 219 cu ft
 - + (4.0 s.f. x 60 Ft Front Porch) 240 cu ft
 - + (30.3 x 60 Ft Front Porch Slope to Parking) 1,810 cu ft
 - = 2,269 cu ft
 - SECTION B:
 - (108.6 s.f. x 100 Ft Building) 10,860 cu ft
 - + (30.0 s.f. x 35 Ft Landing) 1,050 cu ft
 - = 11,910 cu ft
 - PARKING LANDSCAPING AREA:
 - 162 s.f. x 5 Ft x 6 Planting areas = 486 cu ft
 - Additional fill for sidewalk to ADA parking: 5.10 s.f. x 5 Ft = 245 cu ft
 - Additional fill for 3 sides of building extending out 10 Ft with 5% slope: 2.70 s.f. x 260 Ft = 725 cu ft
 - Additional volume for parking bumpers: 2.9 s.f. x 5 Ft x 4 Ft = 71 cu ft
 - VOLUME TO CUT DUE TO FILL = 16,147 cu ft.
- CUT CALCS
 - NOTE: Swale cuts were not included in this calculation as this will be used to add to the planting areas to add slope into the swales.
 - A. CUT CALCS AREA A:
 - 20.9 s.f. x 139 linear ft (11,245 cu ft)
 - Volume above 25 yr detention water surface elevation and below BFE = 3,610 cu ft
 - B. CUT CALCS AREA B:
 - (93.4 s.f. x 52 linear ft) 1,737 cu ft
 - (143.1 s.f. x 114 linear ft) 16,313 cu ft
 - Volume above 25 yr detention water surface elevation and below BFE = 14,670 cu ft
 - Total cut volume above 25 yr detention elevations and below BFE = 23,246 cu ft



GRADING NOTE

NOTE: ALL EXCESS CUT SOILS SHALL BE HAULED OFFSITE.

DAMMON ENGINEERING, INC.

LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Watch, PE
 554 Old Spanish Trail
 Slidell, LA 70468
 www.dammonengineering.com
 info@dammonengineering.com
 PH: 985.649.9532

REVISIONS	DATE	DESCRIPTION

SEAL: P:\Stamps\Brian La Stang Professional_ig

NEW BUILDING

DRAWN BY: CAD

CHECKED BY: CAD

DATE: 12-14-2021

BAY

40201 CORAL STREET
 SLIDELL, LA 70461

JOB No:
 SHEET No:
 DRAWN BY:
 CHECKED BY:
 DATE: 12-14-2021

SHEET TITLE: **SITE DRAINAGE PLAN**

DRAWING NUMBER: **C102**

SHEET No: 4 of 12