

7 DRAINAGE PLAN
SCALE: 1" = 20'-0"

DRAINAGE NOTES

1. DRAIN PIPE AND FITTINGS WITHIN PROPERTY LINE SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE, MEETING CLASS 100 C-400 PVC.
2. ELEVATIONS SHOWN ARE MSL.
3. FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.
4. 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.

DRAINAGE LEGEND

- TOP XXXX' — TOP OF SWALE
- TOL XXXX' — TOP OF LIMESTONE ELEVATION
- TOC XXXX' — TOP OF CONCRETE ELEVATION
- NG XXXX' — NATURAL GRADE
- INV XXXX' — INVERT
- DS — SUB-SURFACE DRAINAGE PVC WITH DIRECTION OF FLOW ARROW, SEE PLAN FOR SIZE OF PVC
- DS — SUB-SURFACE DRAINAGE PVC AT BUILDING WITH DOWNSPOUTS (DS) FROM ROOF GUTTERS

CUT/FILL CALCULATIONS

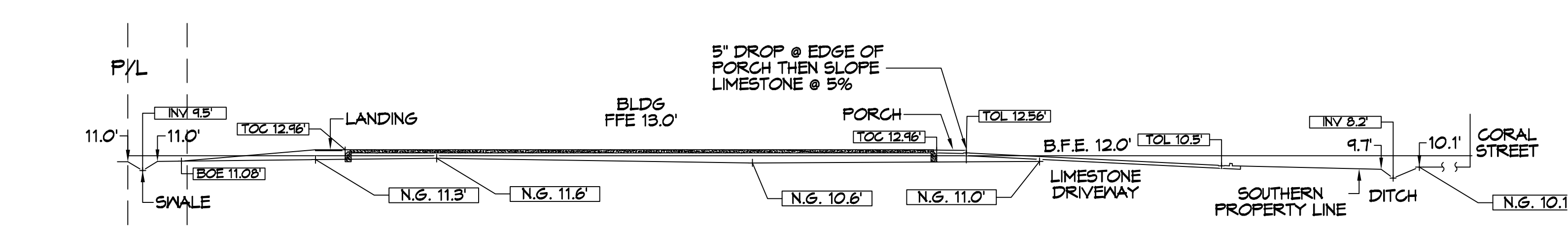
1. BFE = 12.0'. ALL CALCULATIONS WERE BASED ON EXISTING ELEVATIONS UP TO BFE.
2. FILL CALCS:
SECTION A:
(15.51 s.f. x 10ft Rear Landing) 155.1 cu ft
+ (5.9 s.f. x 60 ft Front Porch) 310.0 cu ft
+ (25.4 X 60 ft Front Porch Slope to Parking) 1,524 cu ft
= 1,991 cu ft
Additional fill for sidewalk to ADA parking: 5.18 s.f. x 57 ft = 295 cu ft
Additional fill for 3 sides of building extending out 10 ft with 5% slope: 2.78 s.f. x 260 ft = 725 cu ft
SECTION B:
(67.46 s.f. x 100 ft Building) 6,746 cu ft
+ (21.1 s.f. x 35 ft Landing) 738.5 cu ft
= 7,484.5 cu ft
PARKING LANDSCAPING AREA:
22 s.f. x 5 ft x 6 PLANTING AREAS = 66 cu ft
VOLUME TO CUT DUE TO FILL = 10,567.5 cu ft
3. CUT CALCS
A. CUT CALCS AREA A
110.25 s.f. x 88.5 linear ft = 9,751 cu ft
B. CUT CALCS AREA B
31.9 s.f. x 192 linear ft = 6,009.6 cu ft
TOTAL CUT VOLUME = 15,766.6 cu ft

STORMWATER DETENTION CALCULATIONS

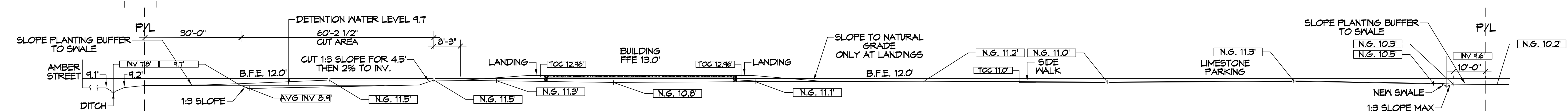
- A. DETENTION CALCS AREA A
18.9 s.f. x 88.5 linear ft = 1,672.7 cu ft
- B. DETENTION CALCS AREA B
20.1 s.f. x 192 linear ft = 3,859.1 cu ft
TOTAL DETENTION VOLUME = 5,531.7 cu ft

GRADING NOTE

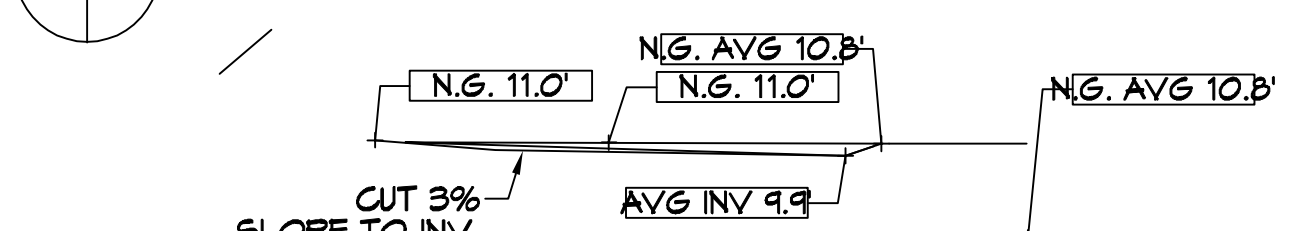
NOTE: ALL EXCESS CUT SOILS SHALL BE HAULED OFFSITE.



A CROSS SECTION
SCALE: 1/16" = 1'-0"



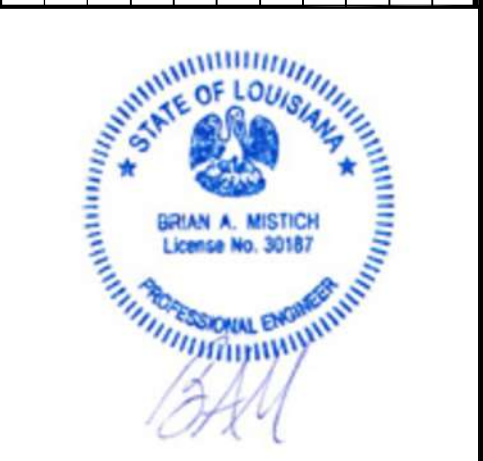
B CROSS SECTION
SCALE: 1/16" = 1'-0"



C CROSS SECTION
SCALE: 1/16" = 1'-0"

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#	DESCRIPTION	DATE



NEW BUILDING
DRAWING MANUAL
40281 CORAL STREET
SIBLEY, LA 70461
JOB No: 12-14-2021
DATE: 12-14-2021
DRAWN BY: BAW
CHECKED BY: C&D
SHEET TITLE: SITE DRAINAGE PLAN
DRAWING NUMBER: **C102**
SHEET No: 4 of 12