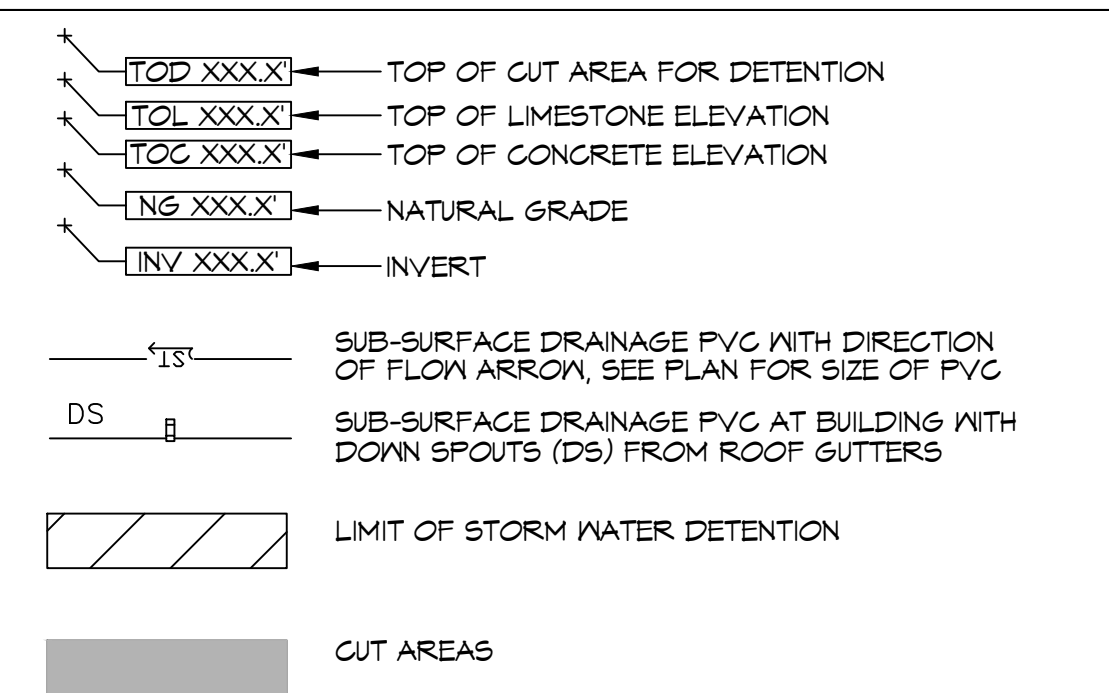


DRAINAGE NOTES

- DRAIN PIPE AND FITTINGS WITHIN PROPERTY LINE SHALL BE POLY-VINYL CHLORIDE PLASTIC PIPE, MEETING CLASS 100 C-400 PVC.
- ELEVATIONS SHOWN ARE MSL.
- FIELD VERIFY ALL ELEVATIONS AND 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.

DRAINAGE LEGEND



CUT/FILL CALCULATIONS

1. BFE = 12.0'. FILL CALCULATIONS WERE BASED ON EXISTING ELEVATIONS UP TO BFE +1'.
 2. FILL CALCS:

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 3 Ft x 6 Planting areas	= 486 cu ft
Additional fill for sidewalk to ADA parking: 5.10 s.f. x 5 Ft = 255 cu ft Additional fill for 3 sides of building extending out 10 Ft with 5% slope: 2.70 s.f. x 260 Ft = 702 cu ft Additional volume for parking bumpers: 2.9 s.f. x 5 Ft x 4 Ft = 58 cu ft	VOLUME TO CUT DUE TO FILL = 16,147 cu ft.

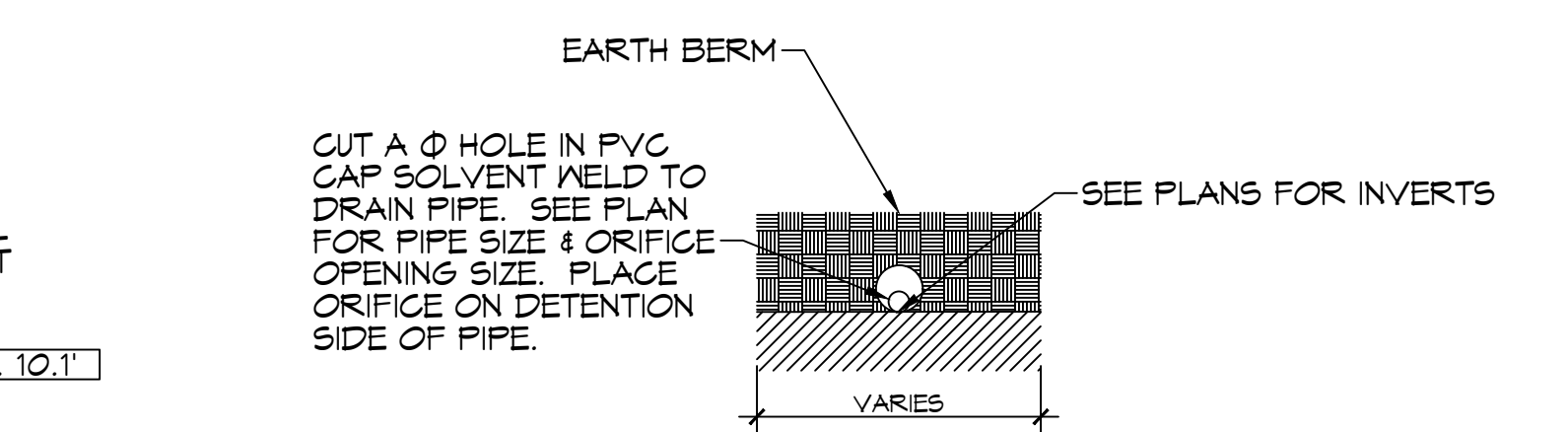
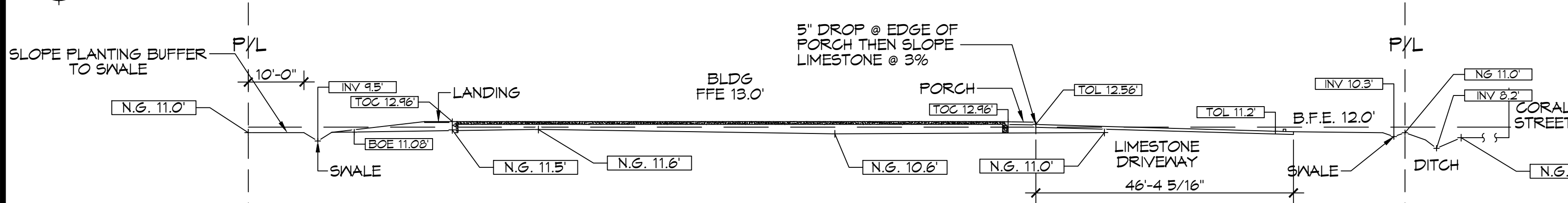
3. CUT CALCS

NOTE:
 1. 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.
 2. This entire site is below BFE. All cut values shown are below BFE.

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	= 8,610 cu ft
B. CUT CALCS AREA B (39.4 s.f. x 62 linear Ft) 2,011 cu ft (86.1 s.f. x 114 linear Ft) 9,815 cu ft Volume above 25 yr detention water surface elevation	= 8,566 cu ft
Total cut volume above 25 yr detention elevations	= 17,174 cu ft.

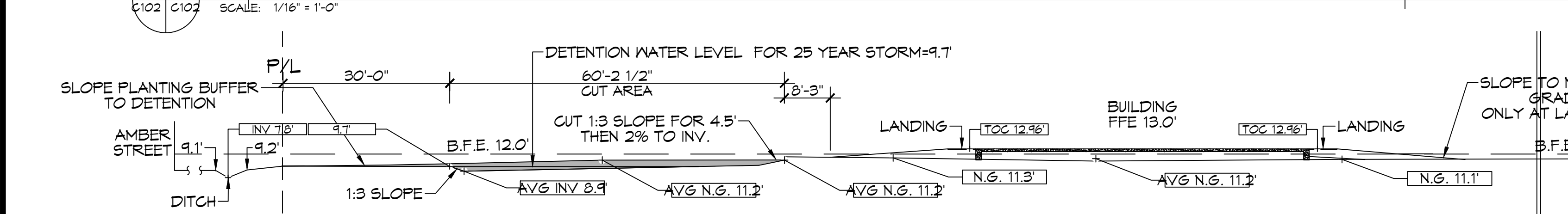
7 DRAINAGE PLAN

SCALE: 1" = 20'-0"



A CROSS SECTION

SCALE: 1/16" = 1'-0"



B CROSS SECTION

SCALE: 1/16" = 1'-0"

