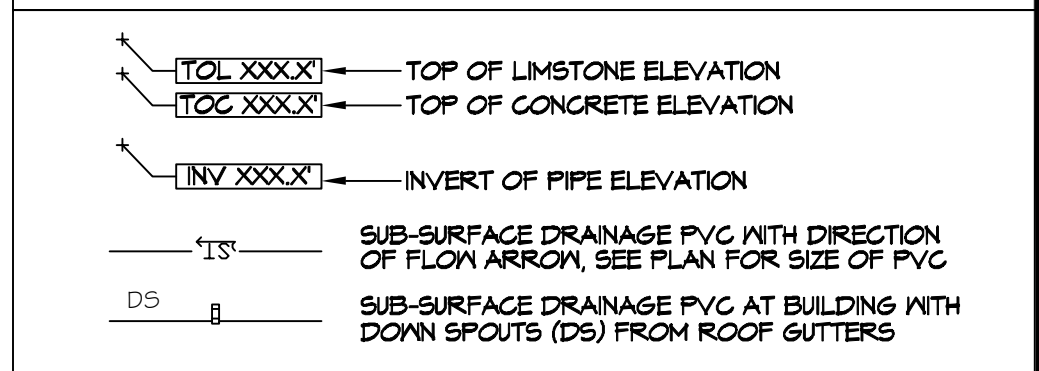


DRAINAGE NOTES

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.

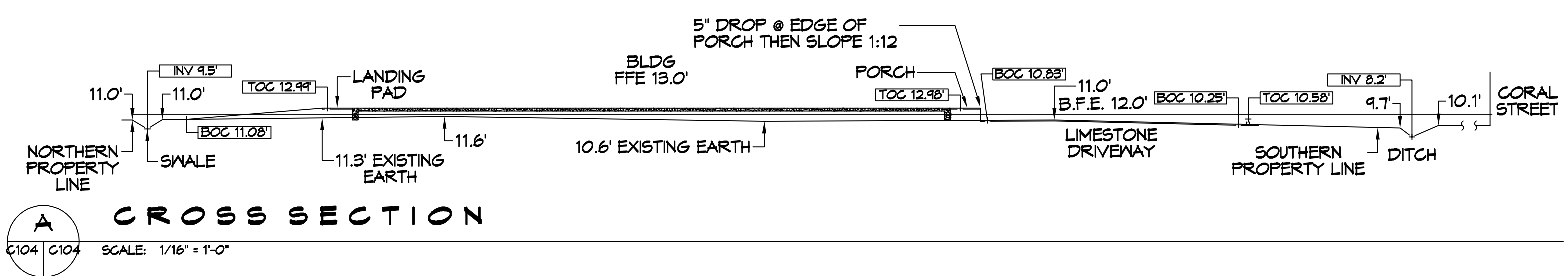
DRAINAGE LEGEND



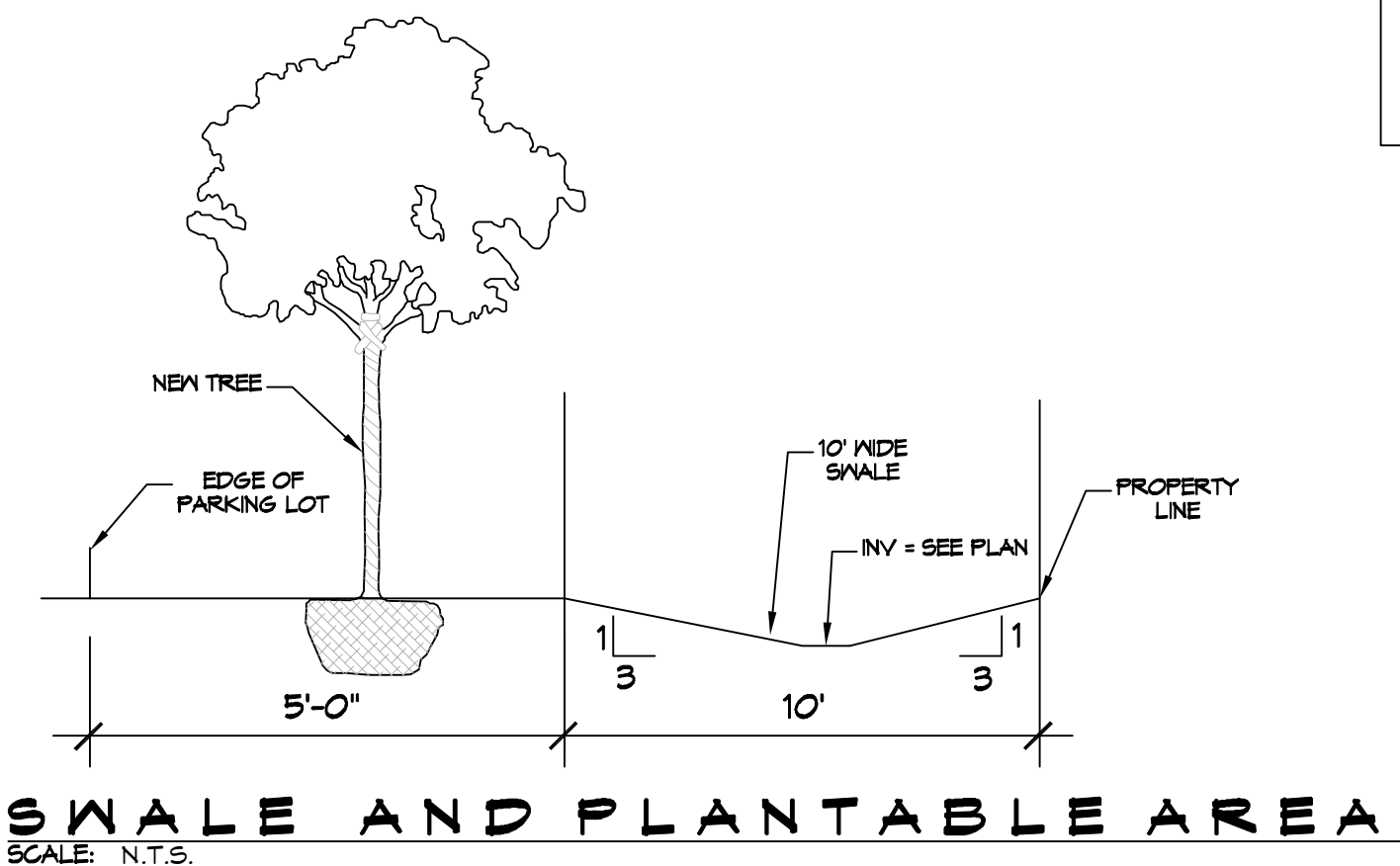
CUT/FILL CALCULATIONS

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 Pad) + (5.18 s.f. x 60 ft Front Porch) + (12.3 x 60 ft Front Porch Slope to Parking) = 1,204 cu ft
 - Additional fill for sidewalk to ADA parking: 5.18 s.f. x 5 ft = 255 cu ft
 - SECTION B: (61.46 s.f. x 100 ft Building Pad) + (19.43 s.f. x 35 ft (Landing Pads)) = 7,426 cu ft
 - PARKING AREA: 22 s.f. x 5 ft x 6 PLANTING AREAS = 66 cu ft
 - VOLUME TO OFFSET DUE TO FILL = 8,991 cu ft.
3. VOLUME OF RAIN WATER DETENTION = 2,401 cu ft
TOTAL VOLUME TO ACCOUNT FOR = 11,392 cu ft
4. CUT CALCS
 - A. Cut calcs from swale excluding cut areas A & B
Avg existing elevation before: $(11.3 + 11.0 + 11.0 + 10.2) / 4 = 10.9$ ft
Avg depth of new swale: $(9.0 + 8.0) / 2 = 8.5$ ft
Using the avg existing elevation and avg depth the avg Cut area = 7.8 s.f.
Length of swale = 406 ft - 51.5 (Cut A) - 157.8 (Cut B) = 196.7 ft
Therefore 7.8 s.f. x 196.7 ft = 1,534 cu ft
 - B. CUT CALCS AREA A
 $(10.2 + 61.1 s.f.) / 2 = 65.6 s.f. \times 51.5 ft = 3,378 cu ft$
 - C. CUT CALCS AREA B
 $(69 + 48 + 32 s.f.) / 3 = 49.6 s.f. \times 157.8 ft = 7,837 cu ft$
 - TOTAL CUT AREA = 12,749 cu ft

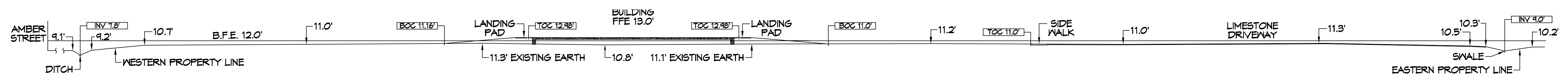
7 DRAINAGE PLAN 18" CPP
SCALE: 1" = 20'-0"



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



SWALE AND PLANTABLE AREA
SCALE: N.T.S.



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

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DATE	REVISIONS	DESCRIPTION



NEW BUILDING
DRAWING MANUAL
40281 CORAL STREET
SLATFIELD, LA 70461
JOB No: 11-15-2021
DATE: 11-15-2021
DRAWN BY: BAW
CHECKED BY: GCD
SHEET TITLE: **SITE DRAINAGE PLAN**
DRAWING NUMBER:
C102
SHEET No: 4 of 12