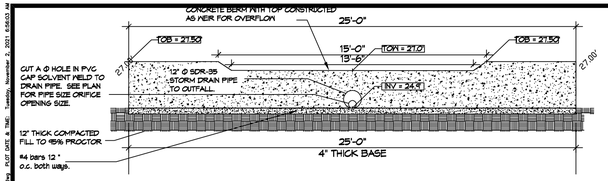
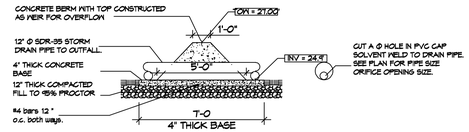


D SECTION
SCALE: NTS



BERM & WEIR

FILL CALCS
74.05 s.f. (Section B) x 52.75 ' (Section A) = 3,906 c.f.
36.35 s.f. (Section A) x 93.50 ' (Section B) = 3,399 c.f.
Average Fill Calcs = 3,653 c.f.

RE-SHAPE EXISTING 25' SWALE
3 sections of swale average 3.95 s.f. x 183 linear ft. long
Average Fill Calc for Swale = 723 c.f.

(NOTE: ALL SIDEWALKS and DRIVES ARE LEVEL WITH EXISTING GRADES)

Fill Total = 4,376 c.f.

SWALE BETWEEN BUILDING CUT CALCS
AVERAGE AREA = 1.32 s.f. & 1.15 s.f. = 1.38 s.f.
LENGTH OF SWALE = 193 ft
Volume of SWALE CUT = 183 c.f.

RE-SHAPE EXISTING 25' SWALE CUT CALCS
3 sections of swale average 4.95 s.f. x 183 linear ft. long
Average Fill Calc for Swale = 906 c.f.

WOODED AREA CUT CALCS
Slope the first 2 feet of the perimeter of cut area with 1H:0.2V Slope
The area to be cut has a cross section of 85.3 s.f. and width of 40.75' (minus 2 ft for slope); 85.3 s.f. x 38.75 ft = 3,305 c.f.

CUT Totals : 4,394 c.f.

4 DETAIL
SCALE: NTS

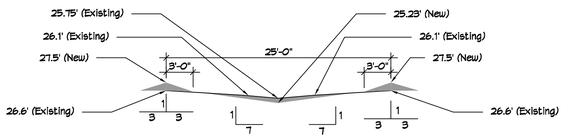
NO NET FILL CALCULATIONS

GENERAL SITE DRAINAGE NOTES

1. REMOVE DEBRIS AND CLEAN BOTTOM OF EXISTING SWELL.
2. ALL ELEVATIONS SHOWN ARE M.S.L. AND ARE PLUS OR MINUS
3. FIELD VERIFY ALL ELEVATIONS AND AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.

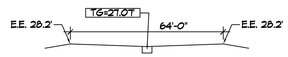
SITE DRAINAGE LEGEND

- TG=100.0' / INV=100.0' — TOP OF GRATE / INVERT OF PIPE
- ST — NEW SUBSURFACE DRAINAGE PIPE
- DRAINAGE FLOW DIRECTION ARROW
- AREA OF DETAINED RAINWATER



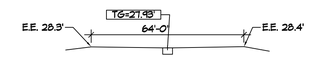
C SECTION
SCALE: NTS

TYPICAL RESHAPED SWALE FOR DETENTION



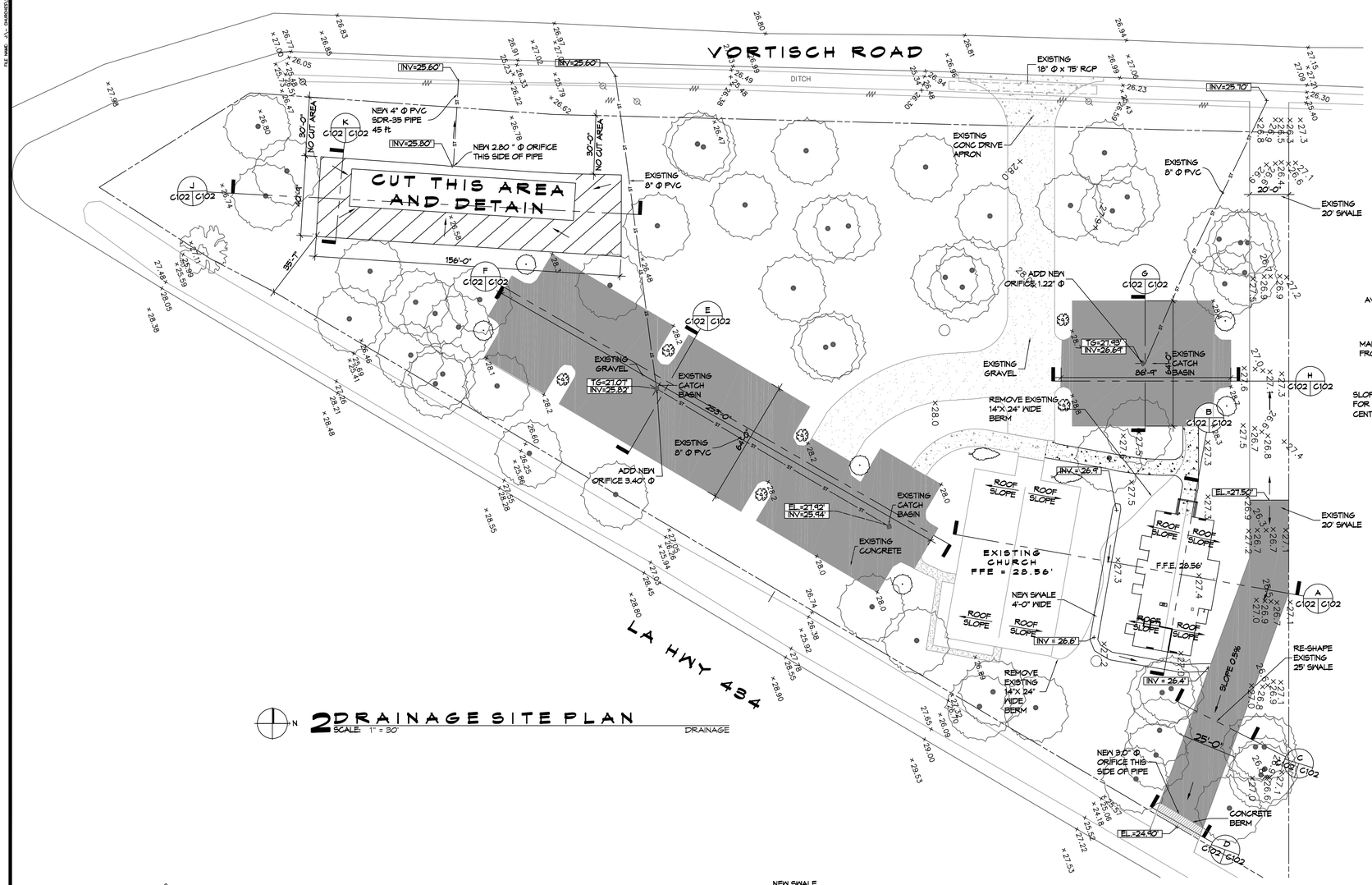
E SECTION
SCALE: 1"=30'

F SECTION
SCALE: 1"=30'



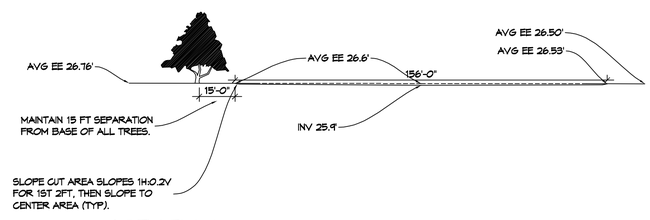
G SECTION
SCALE: 1"=30'

H SECTION
SCALE: 1"=30'

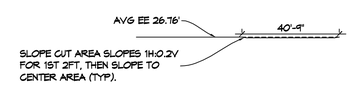


2 DRAINAGE SITE PLAN
SCALE: 1" = 30'

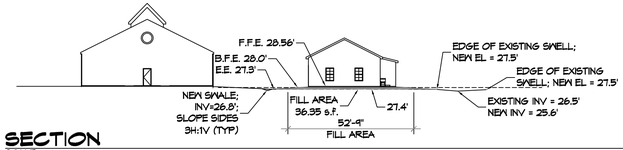
DRAINAGE



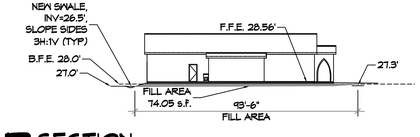
J SECTION
SCALE: 1"=30'



K SECTION
SCALE: 1"=30'



A SECTION
SCALE: NTS



B SECTION
SCALE: NTS

DAMMON ENGINEERING, INC.

LOUISIANA & MISSISSIPPI

www.dammonengineering.com
SEAL@dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832

Chief Engineer: Brian Mistich, PE
5540 Highway Tall
Slidell, LA 70458

#	DESCRIPTION	DATE
	REVISIONS	

SEAL:

STATE OF LOUISIANA — BRIAN A. MISTICH License No. 30187 — PROFESSIONAL ENGINEER

MULTI PURPOSE BUILDING

OUR LADY OF FATIMA

86110 VORTISCH ROAD
LACOMBE, LOUISIANA 70445

JOB No:	2370	DATE:	08-17-2020
DRAWN BY:	CKD	CHECKED BY:	CKD

THIS DRAWING, DESIGN, AND SPECIFICATION, WHETHER OR NOT EVER EXECUTED OR BUILT UPON, REMAIN THE PROPERTY OF DAMMON ENGINEERING, INC. AND ARE PROTECTED BY COPYRIGHT LAWS. THE DRAWING, DESIGN, AND SPECIFICATION MAY NOT BE USED FOR ANY PURPOSE NOT SPECIFICALLY AGREED TO IN WRITING BY DAMMON ENGINEERING, INC. THIS DRAWING, DESIGN, AND SPECIFICATION, WITHOUT WRITTEN CONSENT OF DAMMON ENGINEERING, INC., MAY NOT BE COPIED OR REPRODUCED IN ANY FORM OR MANNER.

SHEET TITLE:
SITE PLAN - DRAINAGE

DRAWING NUMBER:
C102

SHEET No: 4 of 12