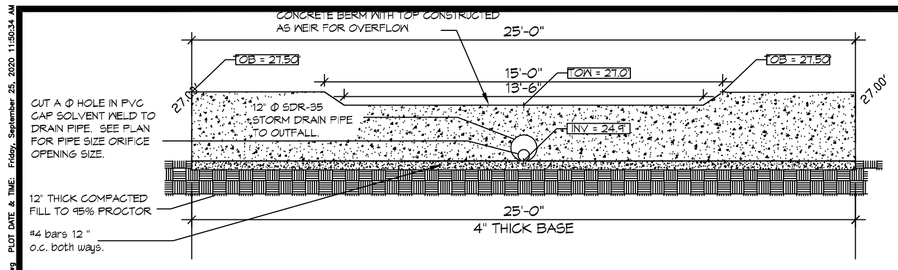
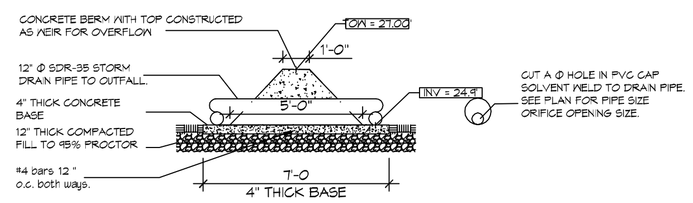


D SECTION
SCALE: NTS



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 = 133 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 : 4,344 c.f.

4 DETAIL
SCALE: NTS

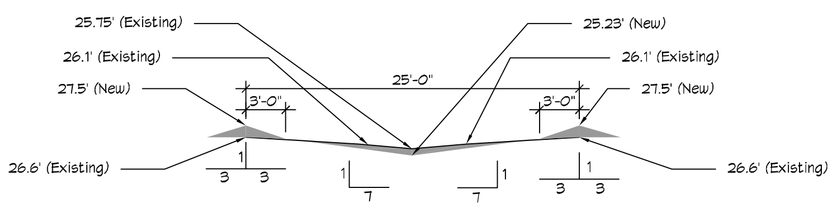
NO NET FILL CALCULATIONS

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.

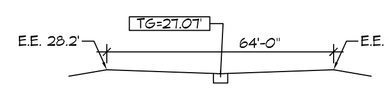
SITE DRAINAGE LEGEND

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

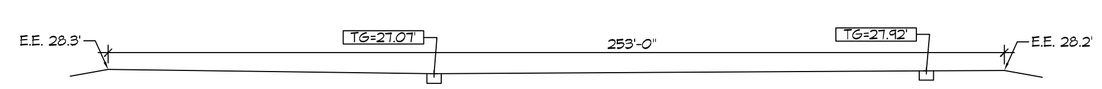


C SECTION
SCALE: NTS

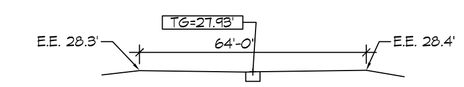
TYPICAL RESHAPED SWALE FOR DETENTION



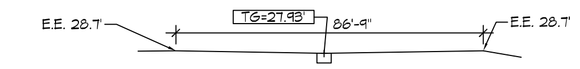
E SECTION
SCALE: 1"=30'



F SECTION
SCALE: 1"=30'



G SECTION
SCALE: 1"=30'



H SECTION
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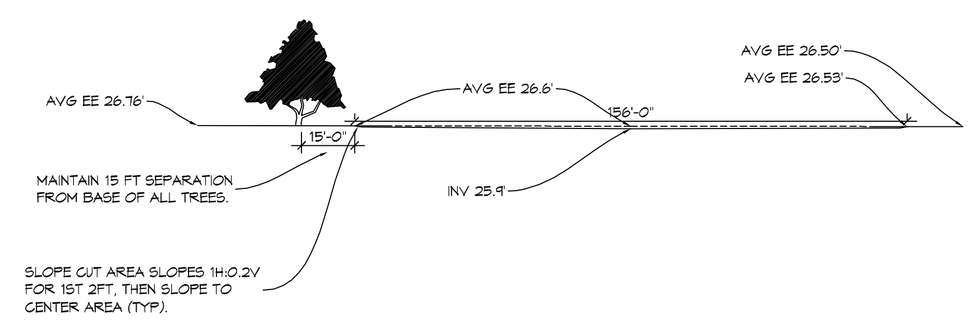
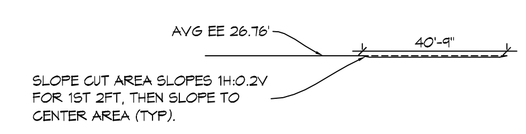
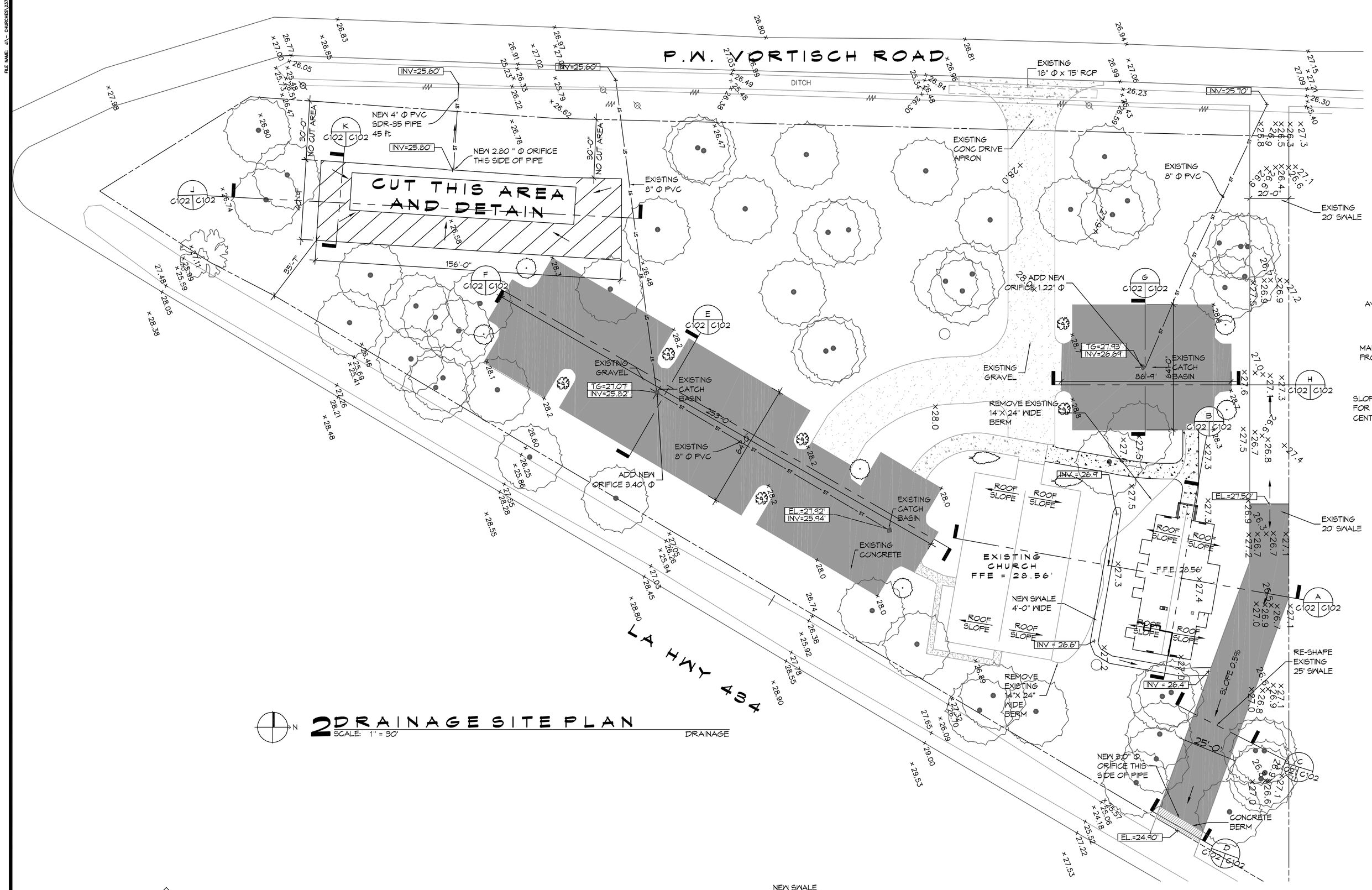


J SECTION
SCALE: 1"=30'

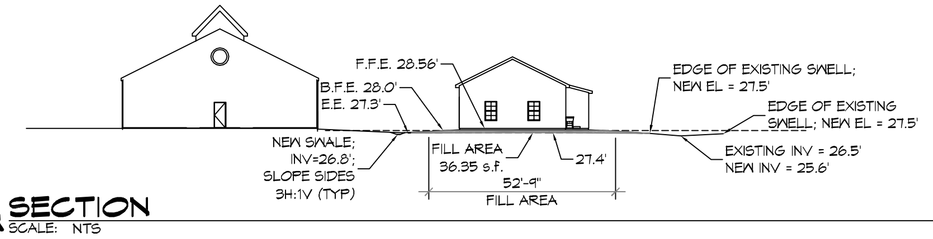


K SECTION
SCALE: 1"=30'



2 DRAINAGE SITE PLAN
SCALE: 1" = 30'

DRAINAGE



A SECTION
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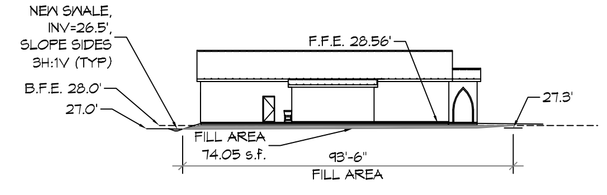

B SECTION
SCALE: NTS

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#	DESCRIPTION	DATE

REVISIONS

SEAL:

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

MULTI PURPOSE BUILDING
OUR LADY OF FATIMA
6610 VORTISCH ROAD
LACOMBE, LOUISIANA 70445

JOB No: 23-70 DATE: 08-17-2020
DRAWN BY: CKD CHECKED BY: CKD

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SHEET TITLE:
SITE PLAN - DRAINAGE

DRAWING NUMBER:
C102

SHEET No: 4 of 12

FILE NAME: J:_CURRENT\23-70 - Our Lady Of Fatima, Lacombe\Drawings\Current Drawings\C102 Site Drainage.dwg PLOT DATE & TIME: Friday, September 25, 2020 11:05:34 AM