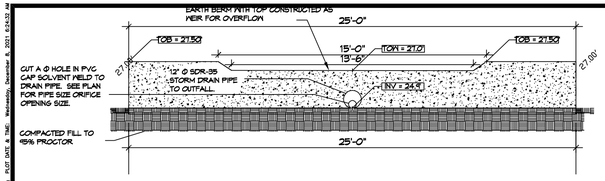
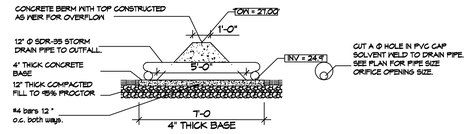



## D SECTION
SCALE: NTS

BERM & WEIR




## 4 DETAIL
SCALE: NTS

NO NET FILL CALCULATIONS

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.

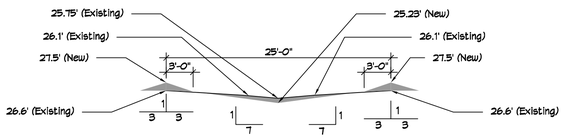
CUT Totals : 4,394 c.f.

## 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.

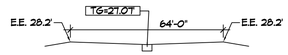
## SITE DRAINAGE LEGEND

- 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



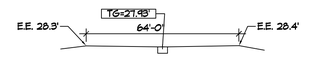

## C SECTION
SCALE: NTS

TYPICAL RESHAPED SWALE FOR DETENTION

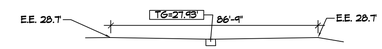



## E SECTION
SCALE: 1"=30'

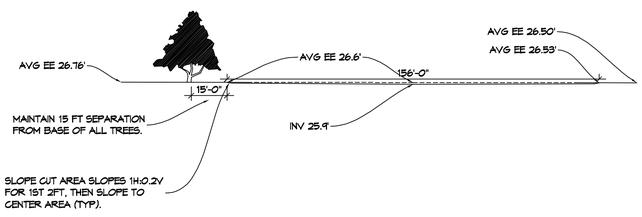
## F SECTION
SCALE: 1"=30'



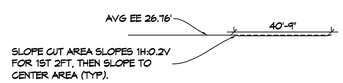

## G SECTION
SCALE: 1"=30'



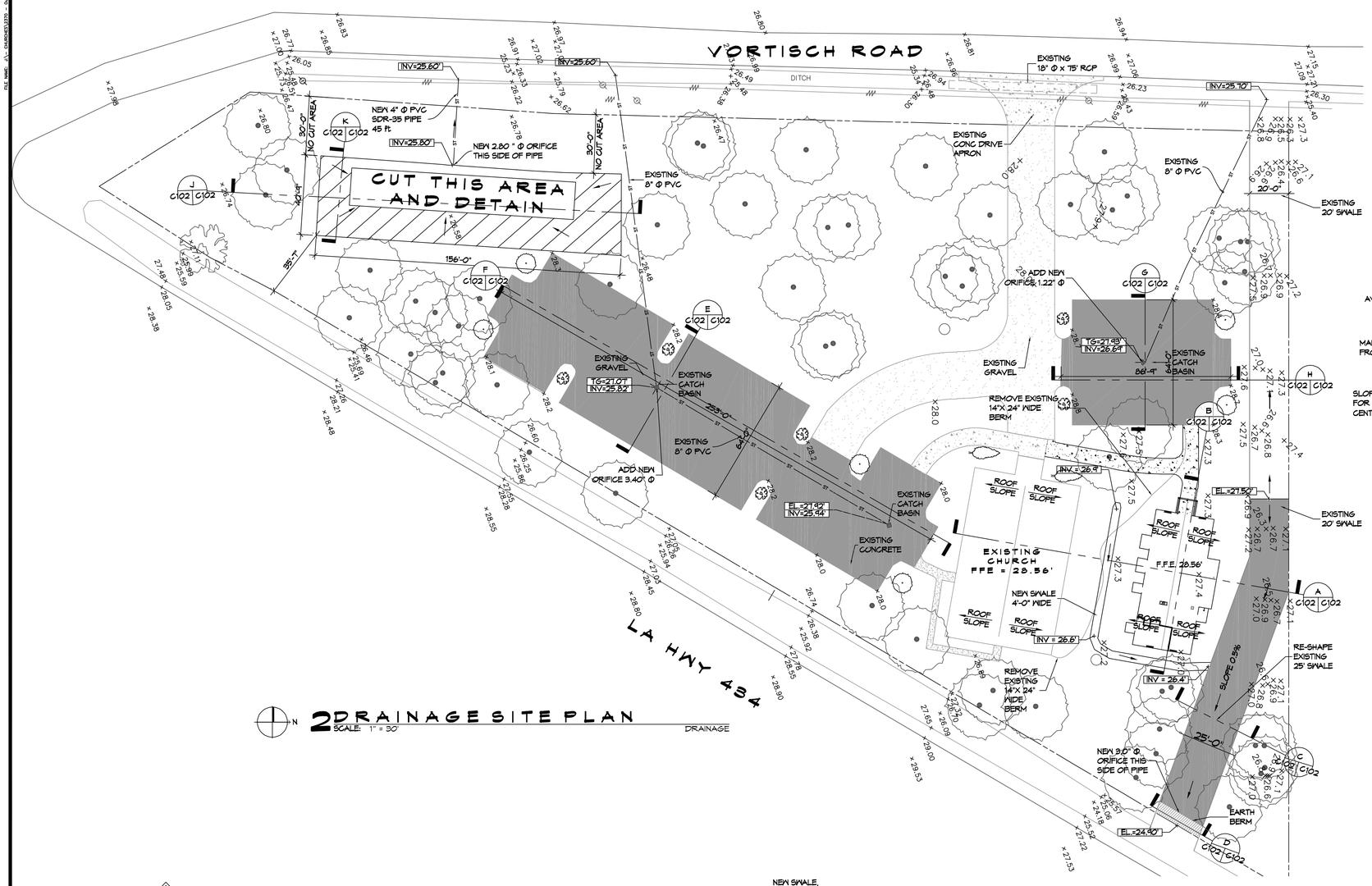

## H SECTION
SCALE: 1"=30'




## J SECTION
SCALE: 1"=30'

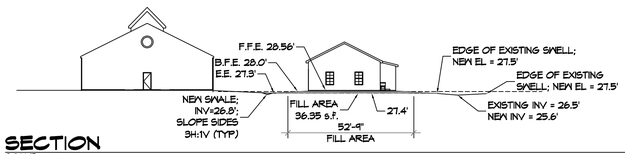



## K SECTION
SCALE: 1"=30'

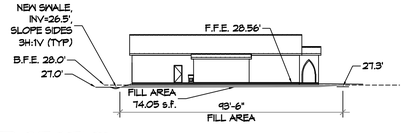



## 2 DRAINAGE SITE PLAN
SCALE: 1" = 30'

DRAINAGE




## A SECTION
SCALE: NTS




## B SECTION
SCALE: NTS

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| # | DESCRIPTION | DATE |
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REVISIONS

SEAL:

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 |

SHEET TITLE:
SITE PLAN - DRAINAGE

DRAWING NUMBER:
C102

SHEET No: 4 of 12


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