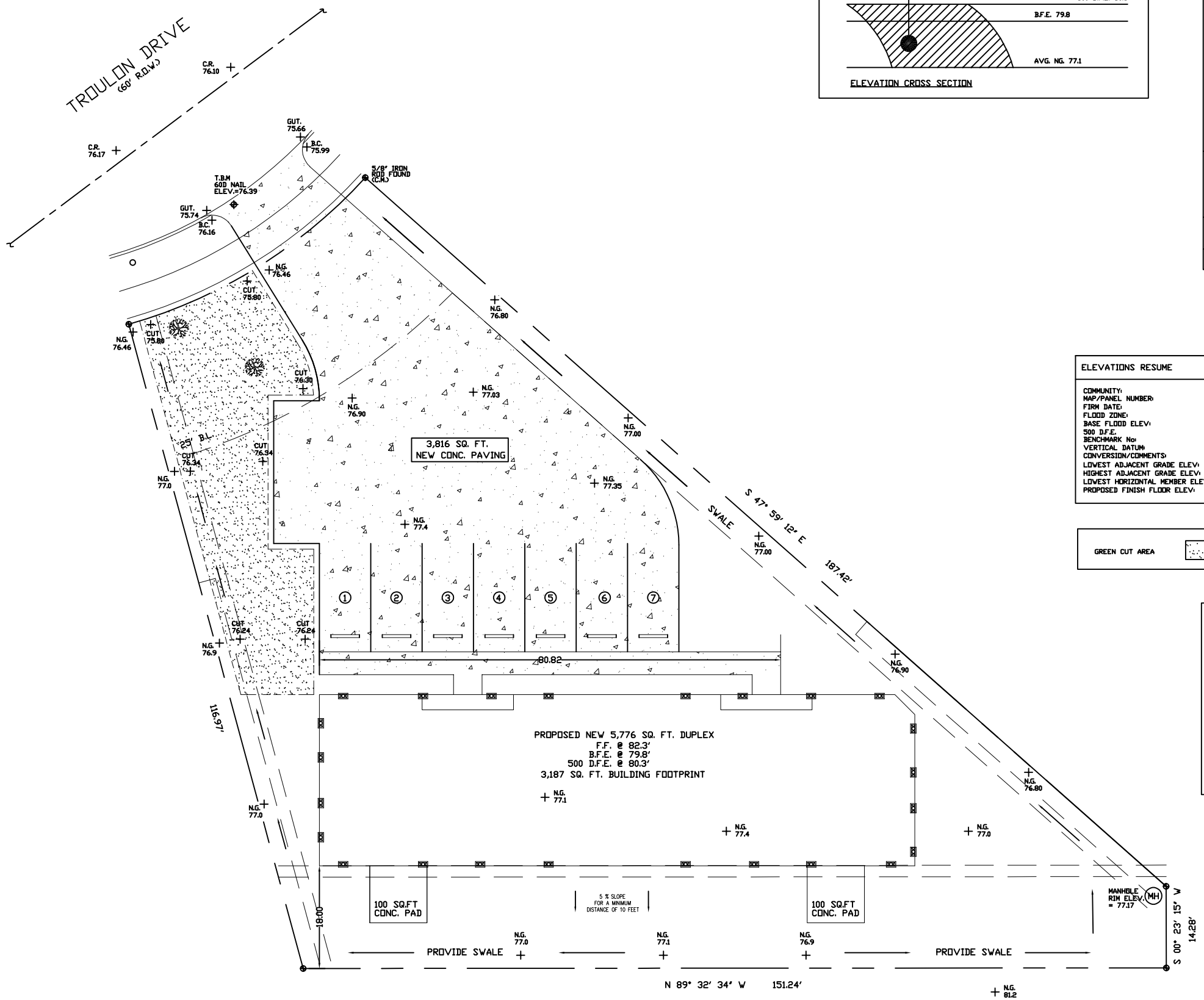
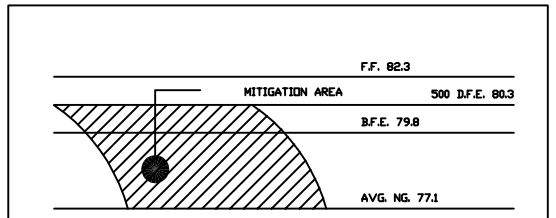




ELEVATION CROSS SECTION

MITIGATION ANALYSIS

CUT VOLUME TO BE HAULED AWAY FROM FLOODPLAIN

FILL VOLUME	CUT VOLUME
HOUSE FOUNDATION h = 3.3' a = 161 sq.ft. 161 sq.ft. X 3.3' = 531 cu.ft. V = 531 cu.ft. **HOUSE PIERS: 36 @ .78 sq.ft.** h = 3.3' a = 28 sq.ft. 28 sq.ft. X 3.3' = 92.4' cu.ft. V = 92.4' cu.ft. **CONC. PAD AND SIDEWALKS** h = .33' a = 557 sq.ft. 557 sq.ft. X .33' = 184 cu.ft. V = 184 cu.ft.	**GREEN CUT AREA** h = 0.66 a = 1,277 sq.ft. 1,277 sq.ft. X .66 = 843 cu.ft. V = 843 cu.ft.
DRIVEWAY h = .0' a = 3,816 sq.ft. 3,816 sq.ft. X .0' = 0 cu.ft. V = 0 cu.ft.	**TAKE OUT AND REPLACE AREA** h = .0' a = 3,816 sq.ft. 3,816 sq.ft. X .0' = 0 cu.ft. V = 0 cu.ft.
TOTAL VOLUME V=807.4 cu.ft. / 27ft³-yd³= 29 yd³	**TOTAL VOLUME** V=843 cu.ft. / 27ft³-yd³= 31 yd³
31 yd³ provided > 27 yd³ required	

ELEVATIONS RESUME

COMMUNITY:	480296
MAP/PANEL NUMBER:	48201 C 0830
FIRM DATE:	1/06/17
FLOOD ZONE:	AE
BASE FLOOD ELEV:	79.8 FEET
500 D.F.E.	80.3 FEET
BENCHMARK No:	RJK 040565
VERTICAL DATUM:	NAVD 1988
CONVERSION/COMMENTS:	2001 ADJUSTMENT
LOWEST ADJACENT GRADE ELEV:	77.0
HIGHEST ADJACENT GRADE ELEV:	77.2
LOWEST HORIZONTAL MEMBER ELEV:	
PROPOSED FINISH FLOOR ELEV:	82.3

GREEN CUT AREA

CONCRETE MITIGATION DETAIL

PRE-DEVELOPMENT

NOTE: PROPOSE TO CUT N.G. THEN RE-FILL TO SAME ELEVATION. FILL WILL NOT EXCEED EXISTING N.G. ELEVATION

POST-DEVELOPMENT

GREEN AREA CUT AREA

FLOOD VENT CALCULATIONS

Non-engineered openings are openings that are used to satisfy the prescriptive requirement that calls for 1 square inch of net open area for each square foot of enclosed area.

HOUSE ENCLOSED AREA = 3,123 SqFt.

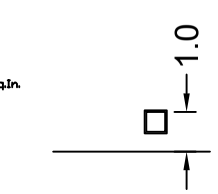
FLOOD VENT OPENING REQUIRED = 3,123 SqIn.

FLOOD VENT 8' 16' = 128 SqIn.

NUMBER OF OPENING REQUIRED = 24

NUMBER OF OPENING PROVIDED = 24

FLOOD VENT LEGEND:



The bottom of each opening is to be located no higher than 1 foot above the grade that is immediately under each opening.

VERIFY ALL DIMENSIONS, DROPS, OFFSETS, BRICK LEDGES, INSERTS AND OPENINGS WITH OWNER / GENERAL CONTRACTOR

THE MEASUREMENTS,DIMENSIONS,AND OTHER SPECIFICATIONS,SHOWN ON THIS DOCUMENT,ARE GUIDELINES FOR CONSTRUCTION USE ONLY.THE ACTUAL SPECIFICATIONS OF THE FINISHED STRUCTURE MAY VARY.

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DRAWN BY:

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- eduardo.agllc@live.com

SEAL:

PROJECT NAME:

NEW DUPLEX

12115 TROULON DRIVE
HOUSTON TX 77072

PLOT DATE:

01/15/19

SCALE:

1 : 10

JOB No:

000

SHEET NAME:

DRAINAGE PLAN

SHEET #:

D-1