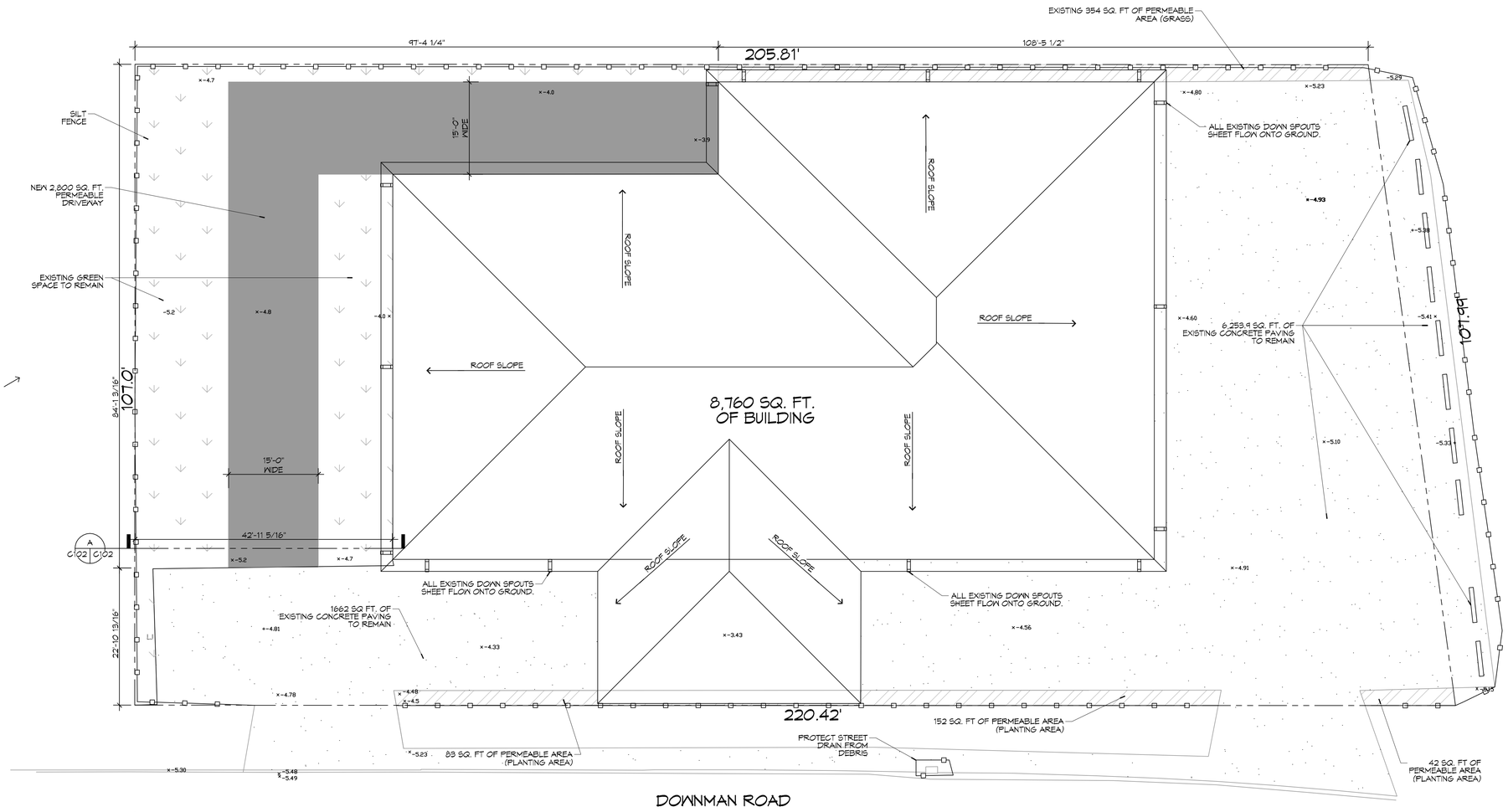
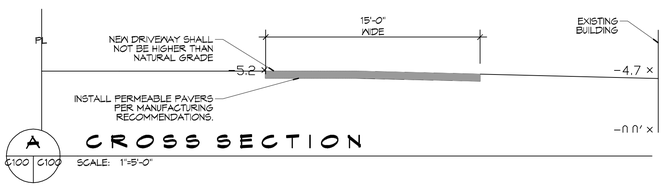


PAVING PLAN

SCALE: 1" = 10'-0"



CROSS SECTION

SCALE: 1"=5'-0"

NO ADVERSE IMPACTS TO ADJACENT PROPERTIES

HARD & GREEN SPACE

EXISTING CONCRETE PARKING = 7168.00 SQ. FT.
EXISTING GRASS & LANDSCAPING (PERMEABLE) = 3067.00 SQ. FT.
NEW INTERLOCKING DRIVEWAY (PERMEABLE) = 2800.00 SQ. FT.
BUILDING AREA = 8,760 SQ. FT.
TOTAL AREA = 21,795.00 SQ.FT.

STORMWATER CONTROL LEGEND

SILT FENCE

ALL EXISTING DOWN SPOUTS SHEET FLOW ONTO GROUND

STORMWATER

1). ALL PERMEABLE PAVING INSTALLATIONS SHALL SUBJECT TO INFILTRATION TESTING AFTER INSTALLATION. TESTING SHALL BE CONDUCTED ACCORDING TO ASTM INTERNATIONAL C1701 OR C1781 STANDARDS, AS APPROPRIATE. ALL TYPES OF PERMEABLE PAVEMENT SHALL MAINTAIN A MINIMUM INFILTRATION RATE OF 200 INCHES PER HOUR.

2). DESIGNING PLANTING AREAS, ESPECIALLY THOSE BY PASSING TREATMENT SYSTEMS, TO ENCOURAGE INFILTRATION TO THE DEGREE POSSIBLE.

3) IN ORDER TO ENCOURAGE INFILTRATION OF STORMWATER AND TO MINIMIZE THE MIGRATION OF SEDIMENTS, THE FINISHED GRADE FOR ALL LANDSCAPING AREAS SHALL BE SET 3" MINIMUM BELOW SURROUNDING HARDSCAPE CONTAINMENTS (CURBING, SIDEWALKS, FOUNDATIONS ETC.). THIS STANDARD MAY BE WAIVED IF NECESSARY TO PROMOTE THE PRESERVATION OF TREES SHOWN AS SUCH.

4) PURSUANT TO BUILDING CODE SECTION 121.17; PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY, POST CONSTRUCTION CERTIFICATION INCLUDING AS-BUILT DRAWINGS, AFFIDAVIT FROM DESIGNER/S, AND PERFORMANCE BOND BASED UPON THE ACTUAL COST OF CONSTRUCTION MUST MUST BE SUBMITTED FOR APPROVAL. AFTER FINAL INSPECTION THESE DOCUMENTS MUST BE RECORDED WITH THE CIVIL DISTRICT CLERK COURT.

PROJECT:	Boyd Funeral Home
DRAINAGE RUN OFF CALCULATIONS – RATIONAL METHOD	

PRIOR DEVELOPMENT
50 Year Frequency

$Q_p = CIA$

Watertight Surfaces			15928	sqft =	0.366	Acres
	c(1) =	0.9				
Gravel Surface			0	sqft =	0.000	Acres
	c(2) =	0.14				
Green Space			5867	sqft =	0.135	Acres
	c(3) =	0.25				
Summary			21795	sqft =	0.500	Acres
	c =	0.71				

Duration (D) = Time of concentration (TC)
TC = .7039(L^.3917)(c^-1.13099)(S^-.1985)

where	L =	60	Runoff length ft	Elev diff =	3
	c =	0.71	Runoff coef		
	S =	1.6667	Percent Slope		
therefore	TC = D =	4.63	minutes or		
and from Rainfall Intensity T	I =	8.50	inhr		
Q_p =	1.608 cfs	RUNOFF LIMIT 90%		1.447 cfs	

POST DEVELOPMENT
50 Year Frequency

$Q_p = CIA$

Watertight Surfaces			15928	sqft =	0.366	Acres
	c(1) =	0.9				
Gravel Surface			2800	sqft =	0.064	Acres
	c(2) =	0.14				
Green Space			3067	sqft =	0.070	
	c(3) =	0.25				
Summary			21795	sqft =	0.500	Acres
	c =	0.71				

D = Time of concentration (TC)
TC = .7039(L^.3917)(c^-1.13099)(S^-.1985)

where	L =	60	Runoff length ft	Elev diff =	3
	c =	0.71	Runoff coef		
	S =	1.6667	Percent Slope		
therefore	TC = D =	4.76	minutes or		
and from Rainfall Intensity T	I =	8.50	inhr		
Q_p =	1.588 cfs				

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554 Old Spanish Trail
Slidell, LA 70458

#	DESCRIPTION	DATE

REVISIONS

SEAL:

JARED M. SIMONEAUX
REG. NO. 17391
STATE OF LOUISIANA
REGISTERED ARCHITECT

NEW FUNERAL HOME

BOYD FAMILY FUNERAL HOME

4820 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 23986
DATE: 11-10-2020
DRAWN BY: CAD
CHECKED BY: CAD

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SHEET TITLE:
PAVING PLAN

DRAWING NUMBER:
C102

SHEET No: 4 of # 21