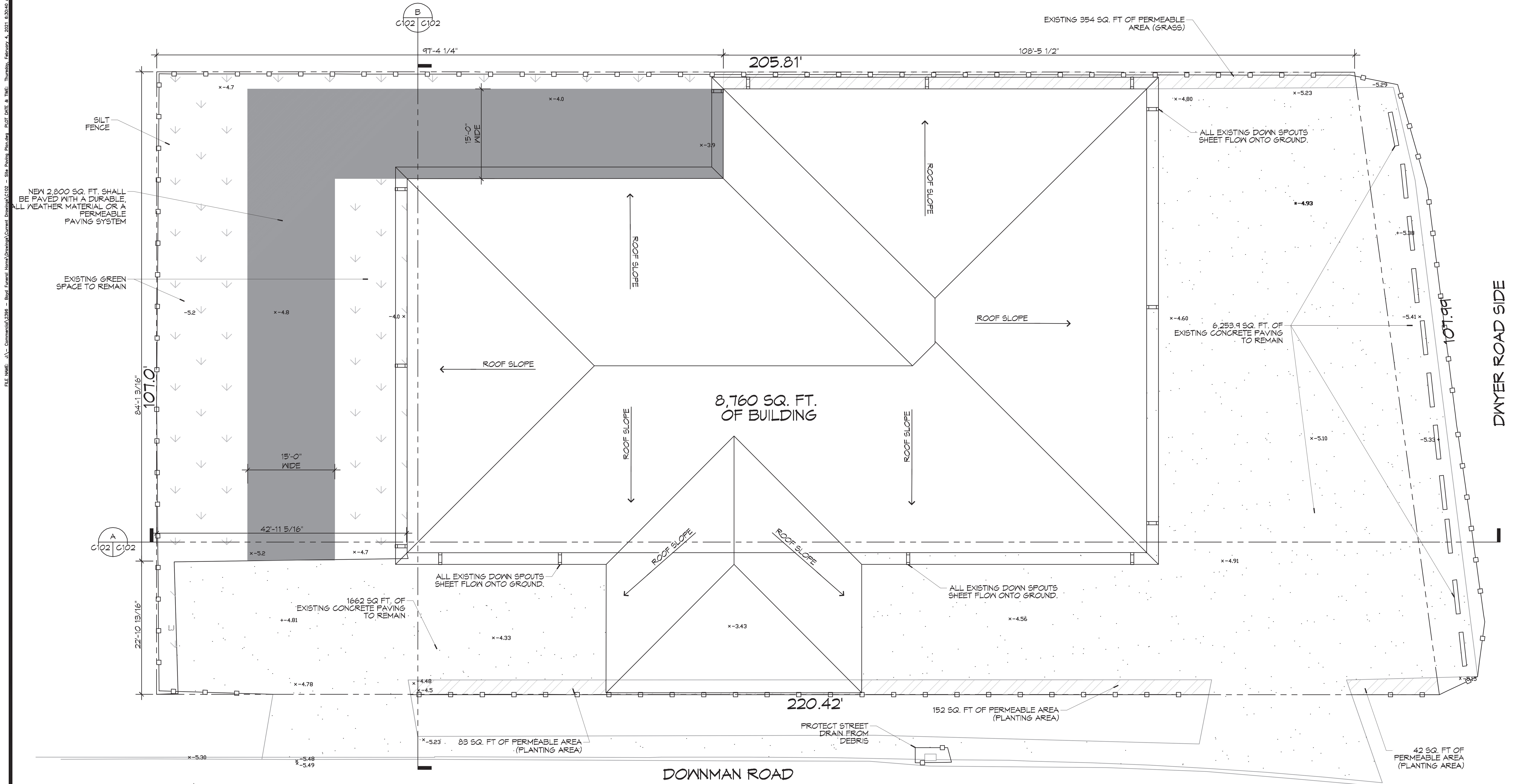
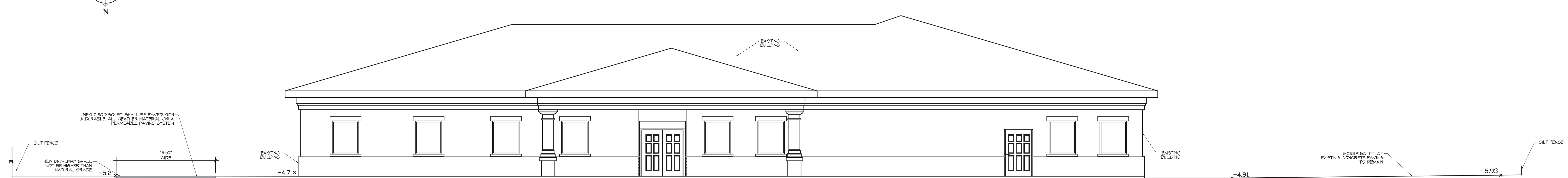


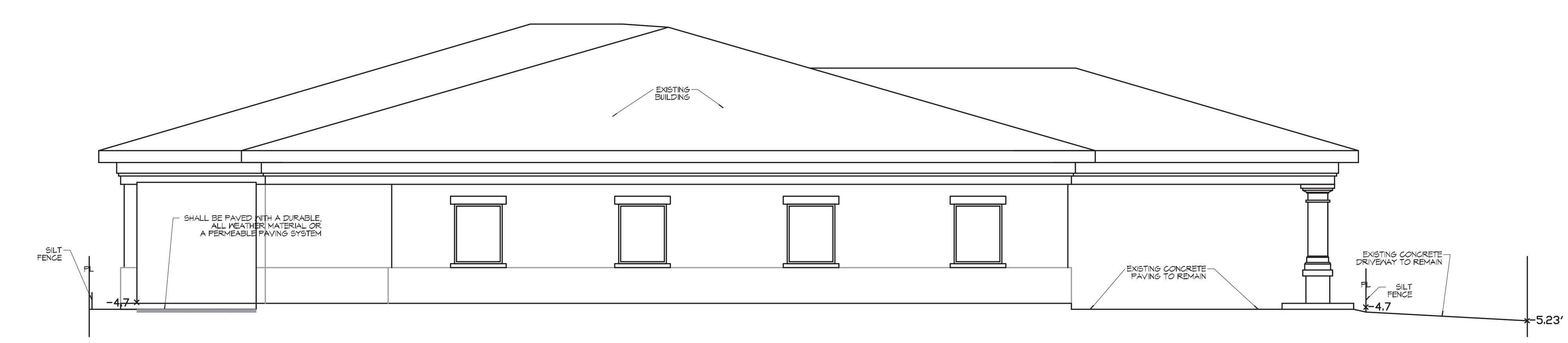
7 PAVING PLAN

SCALE: 1" = 10'-0"



A CROSS SECTION

C100 | C100 SCALE: 1"=10'-0"



B CROSS SECTION

C100 | C100 SCALE: 1"=10'-0"

HARD & GREEN SPACE

EXISTING CONCRETE PARKING = 7168.00 SQ. FT.
EXISTING GRASS & LANDSCAPING (PERMEABLE) = 3067.00 SQ. FT.
PERMEABLE PAVING SYSTEM = 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 STORMATER 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 CONSTRICTION 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 10 Year Frequency						
Q_1 = 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) =	0.21					
Summary			21795	sqft =	0.500	Acres
c =	0.71					
Duration (D) = Time of concentration (TC)						
TC = .7039(L^.3917)(c^-1.1309)(S^-.1985)						
where	L =	60	Runoff length ft		Elev diff =	1
	c =	0.71	Runoff coef			
	S =	1.6667	Percent Slope			
therefore	TC = D =	4.63	minutes or			
and from Rainfall Intensity T	I =	4.50	in/hr			
Q_1 =	1.608	cfs	RUNOFF LIMIT 90%		1.447	cfs
POST DEVELOPMENT 10 Year Frequency						
Q_2 = 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) =	0.21					
Summary			21795	sqft =	0.500	Acres
c =	0.71					
D = Time of concentration (TC)						
TC = .7039(L^.3917)(c^-1.1309)(S^-.1985)						
where	L =	60	Runoff length ft		Elev diff =	1
	c =	0.71	Runoff coef			
	S =	1.6667	Percent Slope			
therefore	TC = D =	4.76	minutes or			
and from Rainfall Intensity T	I =	4.50	in/hr			
Q_2 =	1.588	cfs				
RESULTS						
DETENTION REQUIRED	Q_2-Q_1		0.141	cfs		
ONE HOUR DETENTION			506.1	cuft		
DETENTION DIMENSIONS			WIDTH	69	feet	
			LENGTH	85	feet	
			DEPTH	0.09	feet	
DISCHARGE END AREA CALCULATIONS						
Q = cA(2gH)^1/2		where Q is allowable run off				
Allowable run off		Q =	1.447	cfs		
Friction loss factor		c =	0.98	coefficient		
Acceleration		g =	32.2	ft/ft/sec		
Height above invert		if H =	2.00	feet		
End area		A =	0.13	sqft		
REQUIRED CONDUIT =			4.88	inch diameter		
		USE	4	inch orifice		

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW FUNERAL HOME

BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	11-10-2020
DRAWN BY:	CKD	CHECKED BY:	CKD

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SHEET TITLE:
PAVING PLAN

DRAWING NUMBER:
C102