



Dewberry Engineers Inc. | 850.227.7200
324 Marina Drive | 850.227.7215 fax
Port Saint Joe, FL 32456 | www.dewberry.com

July 18, 2019

First United Methodist Church
Attn: Karl Burgher, PhD, P.E.
1001 Constitution Drive
Port St. Joe, FL 32456

RE: Conceptual Drainage & Irrigation Plans

Dear Mr. Burgher,

At your request Dewberry Engineers Inc. (DEI) put together the attached conceptual drainage plan, irrigation plan, and cost opinion for the "triangle" area between Monument Avenue and US 98 located on the campus of the Methodist Church. It is our understanding this area retains standing water due to the lack of pine trees that were removed after Hurricane Michael. The purpose of the drainage plan is to reestablish positive drainage from this area and to help alleviate standing water after rain events. Our recommendation is to install a system of storm pipes and inlets and connect them to the existing stormwater system at the north end of the triangle. Clean fill should be used to remove any low spots and re-direct stormwater to the proposed inlets. We've estimated an average depth of 4" across the area for a total of 380 CY (truck measure) of fill needed.

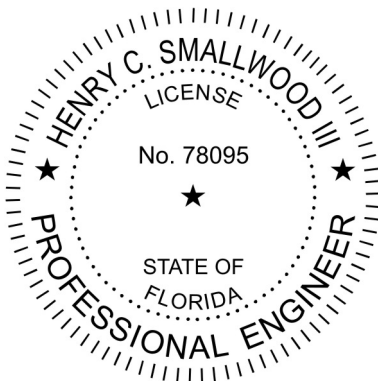
The drainage plan as shown and described above will not require any state or local permits. There are no wetlands on site and no new impervious area is being added.

Should you have questions or need additional information, please give me a call at 850.571.1217.

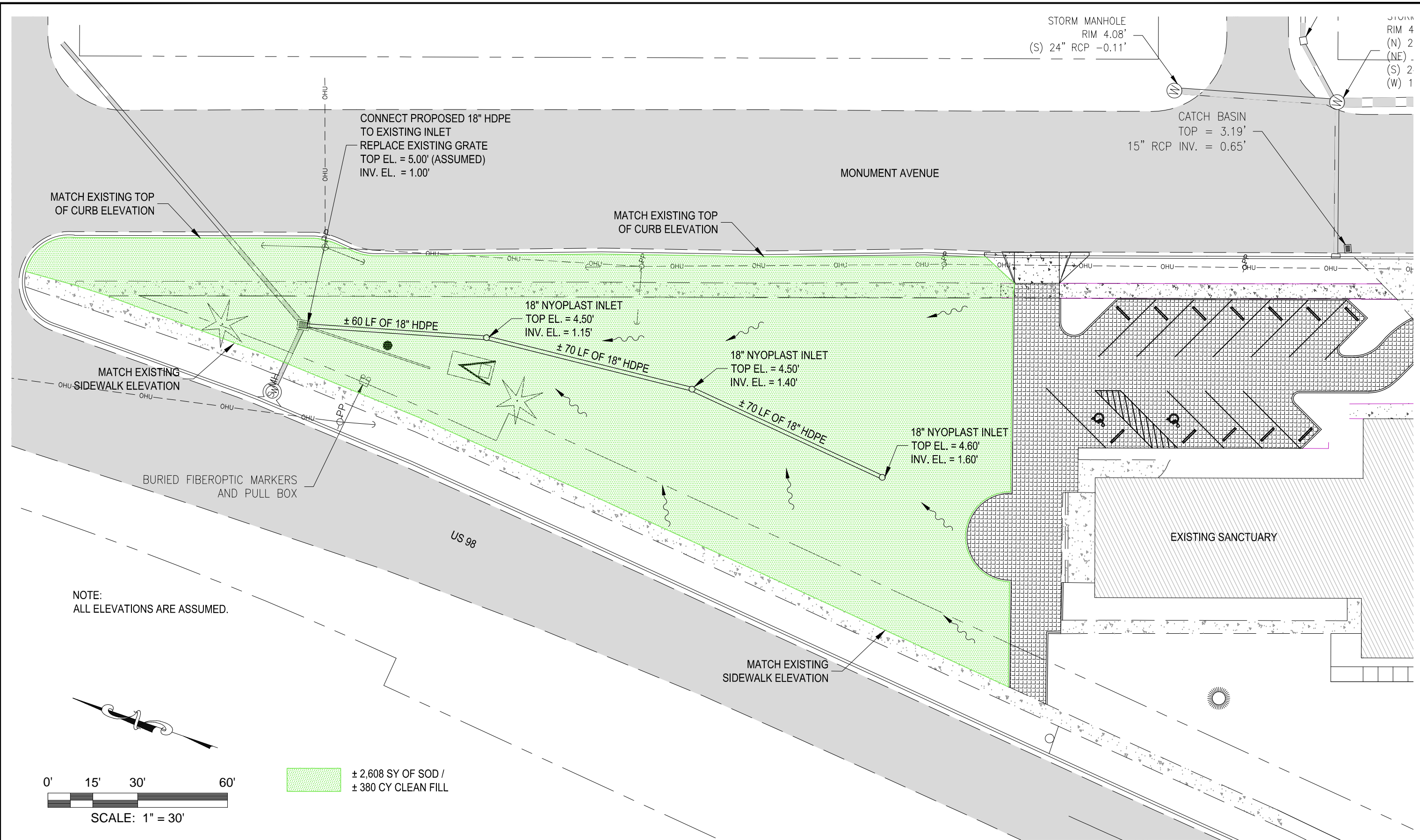
Sincerely,

A handwritten signature in blue ink, appearing to read "Clay Smallwood".

Clay Smallwood, P.E.
Senior Associate



July 18, 2019 (11:29:16 EST)
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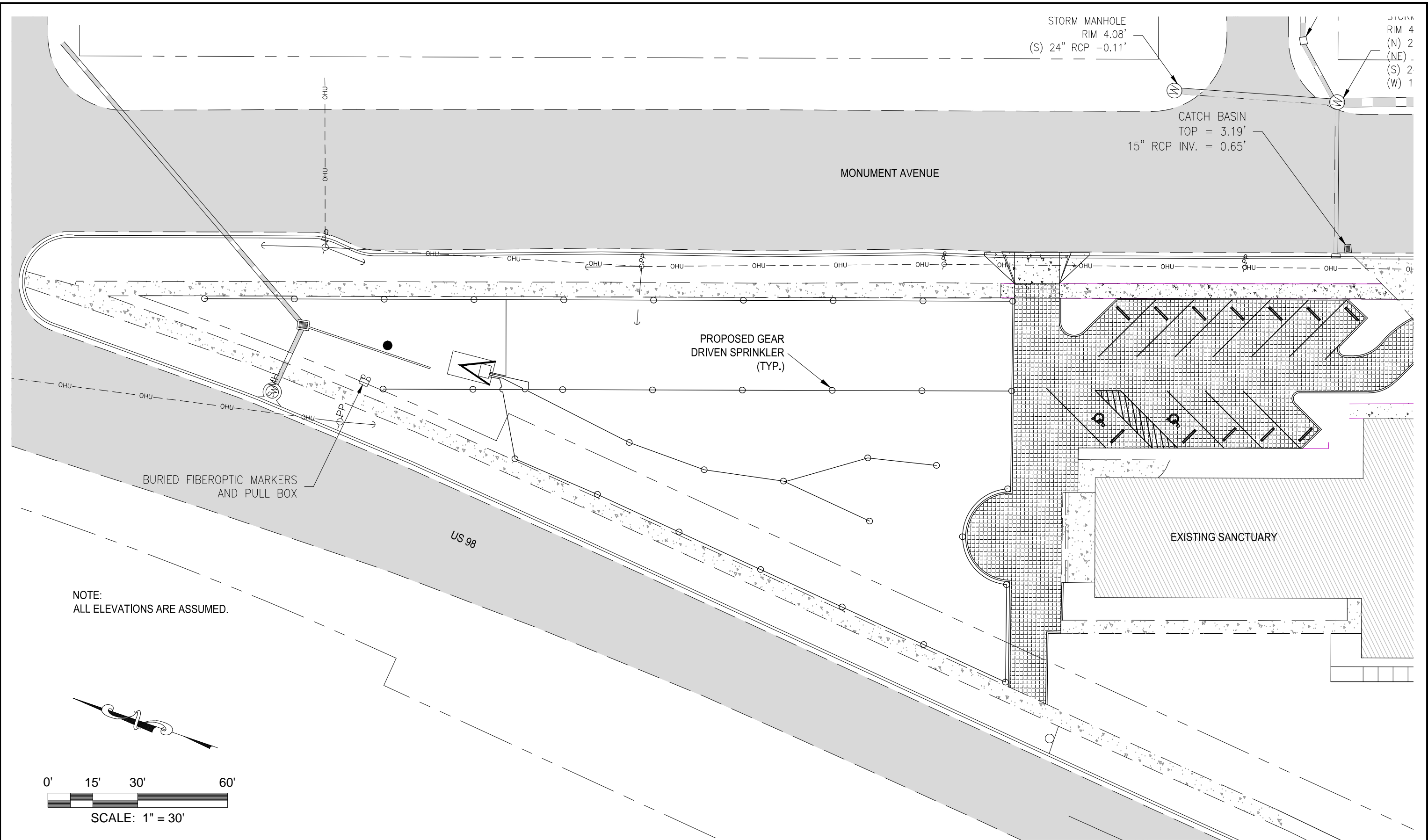
CONCEPTUAL DRAINAGE PLAN

Dewberry
324 MARINA DRIVE
PORT ST. JOE, FL 32456
(850)227-7200

FIRST UNITED METHODIST CHURCH
PORT ST. JOE
GULF COUNTY, FLORIDA

DATE: JULY 2019	PROJECT NO. 500.044
SCALE: AS SHOWN	
DRAWN: C. KENNEDY	SHEET 1
CHECKED: C. SMALLWOOD	

July 18, 2019 (11:29:16 EST)
K:\500.044 METHODIST CHURCH IMPROVEMENTS\CIVIL\3DFOLDER_PRODUCTION\POST MICHAEL\500044\METHODISTPM.DWG



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CONCEPTUAL IRRIGATION PLAN

**Dewberry®**
324 MARINA DRIVE
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GULF COUNTY, FLORIDA

DATE: JULY 2019	PROJECT NO. 500.044
SCALE: AS SHOWN	
DRAWN: C. KENNEDY	SHEET 2
CHECKED: C. SMALLWOOD	

FIRST UNITED METHODIST CHURCH - PORT ST. JOE, FL
ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COSTS
DEI PROJECT NO. 500.044

ITEM	DESCRIPTION	QTY.	UNIT	UNIT BID PRICE	BID PRICE
GENERAL					
1	MOBILIZATION (10% OF BID MAX)	1	LS	\$2,193.92	\$2,193.92
2	IRRIGATION SYSTEM	1	LS	\$20,000.00	\$20,000.00
3	SOD	2,608	SY	\$3.50	\$9,128.00
4	BORROW EXCAVATION, TRUCK MEASURE	380	CY	\$12.00	\$4,561.20
5	18" HDPE STORM PIPE	200	LF	\$30.00	\$6,000.00
6	18" YARD DRAIN INLETS	3	EA	\$750.00	\$2,250.00
7	REPLACE GRATE ON EXISTING INLET	1	EA	\$1,000.00	\$1,000.00
FUMC CONCEPTUAL DRAINAGE & IRRIGATION PLAN TOTAL ESTIMATE					\$45,133.12