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FLAGLER SEAWALL AT PAINTER'S HILL **CONSTRUCTION DRAWINGS** FLAGLER COUNTY, FLORIDA



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TAYLOR ENGINEERING
10151 DEERWOOD PARK BLVE
BLDG 300, SUITE 300
JACKSONVILLE, FLORIDA 3225
(904)-731-7040
1221 AIRPORT ROAD
SUITE 210
DESTIN, FL 32541
(850)-460-7040
CERTIFICATE OF AUTHORIZATION # 4815

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₽	EFINITIONS				THE DRAWINGS ARE A MINIMUM, ADDITIO	NI A I			·			
1.	OWNER: ENTITY OR INDIVIDUAL(S) UNDER THE WORK.	CONTRACT WITH THE CONTRACTOR TO PERFORM	EROSION CONTROL ME	EASURES MAY BE REC CONTROL MEASURES	UIRED BY PERMIT AUTHORITIES. ANY SHALL BE SUPPLIED AND INSTALLED BY T							
H 2	ENGINEER: OWNER'S DESIGNATED REPRE AND OVERSIGHT.	ESENTATIVE FOR CONSTRUCTION OBSERVATION	24. DRAINAGE SHALL BE C	CONTROLLED ONSITE.	DRAINAGE NOT PREVIOUSLY DISCHARGEI JACENT PROPERTIES DURING THE COURS							
3.	DRAWINGS AND SPECIFICATIONS.	WHOSE NAME AND SEAL IS AFFIXED TO THE		NOT BE ALLOWED TO E	RODE OR OTHERWISE MOVE TO ADJACEN	NT						TAYLOR ENGINI
4.	SIGNED AND SEALED DRAWINGS KEPT ON	SHALL BE DEFINED AS A COPY OF THE ORIGINAL ISITE AT ALL TIMES WHERE THE CONTRACTOR INS FROM THE ORIGINAL DRAWINGS MARKED IN RED	PROPERTIES.	DITIONS								10151 DEERWOOD BLDG 300, SU JACKSONVILLE, FLC
5.	SURVEY DRAWINGS ALL SIGNIFICANT DEV CONTRACTOR ON THE RECORD DRAWING	S SIGNED AND SEALED BY A REGISTERED ED AND MARKED/SIGNED/SEALED BY THE ENGINEER SHALL MARK ON THESE AS-BUILT IATIONS IN THE WORK AS RECORDED BY THE IS OR AS KNOWN TO THE ENGINEER. IF THE	THE OWNER. COSTS O BORNE BY THE CONTR (OR NOI), CLEARING OF COUNTY BUILDING PER PERMITS, ETC.	DF OBTAINING PERMITS RACTOR. THIS SHALL IN R LAND DISTURBANCE RMITS, DRIVEWAY OR	FOR OBTAINING ALL PERMITS NOT SUPPL NOT SUPPLIED BY THE OWNER SHALL BE ICLUDE BUT NOT BE LIMITED TO: NPDES P PERMITS, TREE IMPACT PERMITS, CITY O ENTRANCE PERMITS, TEMPORARY UTILITI	e Permit Dr Ies						(904)-731-7 1221 AIRPORT SUITE 2: DESTIN, FL (850)-460-7 CERTIFICATE OF AUTHOR SEAL
G	THE AS-BUILT SURVEY DRAWINGS WITH TH SHEET OF EACH AS "AS-BUILT".	NSFER, THE ENGINEER MAY STAPLE TOGETHER HE RECORD DRAWINGS AND MARK THE FIRST	THE CONTRACTOR SH	IALL BE RESPONSIBLE	' THE OWNER IN THE CONTRACT DOCUME FOR FILING ALL NOTICES OF COMMENCEN IITTING AGENCIES INCLUDING PERMITS							
6.	U.N.O. : UNLESS NOTED OTHERWISE		AS-BUILT SURVEYS									
1	ENERAL NOTES	HE PROJECT SITE, PRIOR TO INITIATING ANY			THE CONTRACT DOCUMENTS, THE AN AS-BUILT SURVEY IN THE BID PRICE A	AND						
2	CONSTRUCTION. THE CONTRACTOR SHALL FIELD VERIFY LC	OCATIONS OF ALL STRUCTURES AND EXISTING	SHALL STATE A SEPAR SURVEY SHALL BE SIG FLORIDA AND SHALL SI	RATE PRICE FOR AN AS SNED AND SEALED BY A SHOW THE LOCATION A	-BUILT SURVEY IN THE BID PRICE. THE AS A SURVEYOR LICENSED IN THE STATE OF ND ELEVATION OF ALL CONSTRUCTED	S-BUILT						
2	UTILITIES, WHETHER SHOWN OR NOT ON T	THE DRAWINGS. ADES AND SIGNS INDICATING THE AREAS AND	FEATURES AND EARTH) IN DIGITAL AND 22" X 34" PAPER VERSION	NS (LIP						HUGH C. VERKERK P.E.# 38 PROJECT TITLE
F	LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL LIMIT CONSTRU	ICTION TO NORMAL WORKING HOURS FROM 8 AM	TO 5 COPIES) TO THE E PERFORMED IN THE SA	ENGINEER FOR APPRO AME HORIZONTAL AND	VAL, THE AS-BUILT SURVEY SHALL BE VERTICAL COORDINATE SYSTEM THE L BE IN AUTOCAD 2008 OR LATER VERSIO	x.						
	TO 5 PM OR UNLESS OTHERWISE INSTRUC		SUBMITTALS AND TESTING	REQUIREMENTS								
5.	ENGINEERING SCIENCES, DATED APRIL 14 AND SUB-SURFACE PROFILES.	ECHNICAL REPORTS, AS PREPARED BY UNIVERSAL 1, 2017 TO EVALUATE EXISTING SITE CONDITIONS	THE CONTRACT DOCU TESTING COMPANY. TH	IMENTS, SHALL BE PEF HE COSTS OF ALL SUC	OR CONSTRUCTION, AS REQUIRED HEREIN FORMED BY AN INDEPENDENT QUALIFIED H TESTING SHALL BE BORNE BY THE							FLAGLER SEA PAINTER'S CONSTRUCTION
6	DEMOLITION DEBRIS SHALL BE DISPOSED ACCORDANCE WITH ALL LOCAL, STATE, AN	ND FEDERAL LAWS AND REGULATIONS.		NG AGENCY SHALL BE	APPROVED PER FDOT STANDARDS, AASH							FLAGLER COUNT
F 7.		VNER ON ALL SPECIAL INSPECTION REQUIREMENTS SENCIES AND LOCAL AUTHORITIES WITHIN TEN	STANDARDS OR SIMILA SHALL BE DONE UNDE	AR SUCH STANDARDS R THE SUPERVISION C AND SHALL BE SIGNEI	AS APPROVED BY THE ENGINEER. ÁLL WC IF A REGISTERED PROFESSIONAL ENGINE) AND SEALED BY A REGISTERED	ORK						
8	RECORD OF ALL DEVIATIONS FROM THE O	ET OF RECORD DRAWINGS AND SHALL KEEP A DRIGINAL DRAWINGS MARKED IN RED PENCIL OR KEPT ONSITE AND SHALL BE AVAILABLE FOR	3. UNLESS MODIFIED BY INFORMATION SHALL B	THE CONTRACT DOCU BE SUBMITTED TO THE ENGINEER AND SHALL	MENTS, SUBMITTALS AND REQUEST FOR ENGINEER IN WRITING IN A FORMAT BE SUBMITTED A MINIMUM OF 6 WORKING							SUNSHINE STATE FLORIE SUNSHINE 811 - ALV
9.	THE WORK, THE CONTRACTOR SHALL SUB	AND BEFORE NOTICE OF FINAL COMPLETION OF BMIT THE ORIGINAL RECORD DRAWINGS TO THE DUCED SIZE COPIES AS REQUESTED BY THE			RER'S INFORMATION SHALL BE IN U.S.							BEFORE YC 1-800-638-
1	THE CONTRACTOR SHALL PROVIDE ACCES ENGINEER. REGULATORY AGENCIES, AND		5. ALL SUBMITTALS REQU		E ENGINEER U.N.O S AS REQUESTED BY THE ENGINEER.							PRELIMINARY DRAWINGS: ARE NOT IN FINAL FORM TRANSMITTED FOR AG
1	1. THE CONTRACTOR IS RESPONSIBLE FOR (COORDINATION WITH THE ENGINEER AS			SUBMITTAL AND TESTING PROCEDURES							
D	COURSE OF THE WORK THAT THE CONTRA WORK. WORK THAT IS ASSEMBLED OR CO OBSERVE THE WORK PROPERLY SHALL BE	APPROPRIATE AND APPROVED TIMES DURING THE ACTOR IS READY FOR OBSERVATION OF THE VERED SO THAT THE ENGINEER CANNOT E DISASSEMBLED, UNCOVERED, OR DESTROYED COSTS OF REPAIR OR RESTORATION OF THIS			SEPARATE "SPECIFICATION" PACKAGE TH R PRIOR TO BIDDING OR INITIATING	HAT IS						
	AND INQUIRE ABOUT THE WORK. THIS MAY SUPERINTENDENTS, FOREMAN, LABORER MEASURING DEVICES, SURVEY EQUIPMEN	S, LADDERS, HARD HATS, LIFTS, SCAFFOLDING,										
с	MEANS/METHODS NECESSARY TO STABILI COMPONENTS INSTALLED. UNLESS SPECI CONTRACTOR SHALL ASSUME THE EOR H/ FINAL CONSTRUCTED AND ASSEMBLED ST	IZE THE STRUCTURE UNTIL COMPLETED WITH ALL FICALLY STATED ON THE DRAWINGS, THE AS ONLY DESIGNED THE STRUCTURE(S) FOR THE TATE AS SHOWN ON THE DRAWINGS.										
14	CLEARLY DEFINED OTHERWISE IN THE CO	E WORK FOR A MINIMUM OF ONE YEAR UNLESS NNTRACT DOCUMENTS. THE CONTRACTOR SHALL MATERIALS AND WORK AT NO COSTS TO THE PERIOD.										
15	5. ALL PERMANENT MATERIAL SHALL BE NEV MATERIAL SHALL <u>NOT</u> BE ALLOWED UNLES	W. USED, RECONDITIONED, OR REMANUFACTURED SS APPROVED BY THE OWNER IN WRITING.										
B	CODES. PRE-CONSTRUCTION PLAN APPRO AUTHORITIES SHALL BE THE RESPONSIBIL SHALL FORWARD ALL ENGINEERING RELA	LITY OF THE CONTRACTOR. THE CONTRACTOR										PROJECT NO C2016-079 DATE MAY 2017 DESIGNED HCV
1	7. THE CONTRACTOR SHALL FIELD VERIFY A	LL DIMENSIONS.										DRAWN RLJ/CAS CHECKED CAS
1/	3. THE CONTRACTOR SHALL LOCATE ANY AB BEFORE BEGINNING WORK.	BOVE-GROUND AND BELOW-GROUND UTILITIES										REVIEWED KRC SCALE AS SHOWN
11	 IN THE EVENT OF A CONFLICT BETWEEN T DRAWINGS SHALL GOVERN. 	HE SPECIFICATIONS AND THE DRAWINGS, THE										DRAWING TITLE
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2		LE FOR THE SHORING AND DEWATERING OF ALL ICHING SHALL COMPLY WITH OSHA STANDARDS										C-2
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PROJECT NOTES		
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GENERAL PROJECT NOTES

1. CONCRETE CAP WILL HAVE JOINTS IN CAP BASED ON ACTUAL LENGTH OF SEAWALL CONSTRUCTED AND WILL BE DETERMINED AT TIME OF ACTUAL CONSTRUCTION.

- 2. FINAL HELICAL ANCHOR LENGTH WILL BE DETERMINED AT TIME OF CONSTRUCTION AFTER TESTING.
- 3. FINAL HELICAL CONFIGURATION WILL BE DETERMINED AT TIME OF CONSTRUCTION AFTER TESTING.
- 4. FINAL RETURN WALL SUPPORT WILL BE DETERMINED AT TIME OF CONSTRUCTION.
- 5. BACKFILL IS TO OCCUR LANDWARD TO SEAWARD IN ALL INSTANCES AS NEAR AS PRACTICAL, IN 12" LIFTS.
- 6. BACKFILL COMPACTION WILL NOT OCCUR UNTIL ALL BACKFILL IS IN PLACE, UPPER 24" OF BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DENSITY.
- 7. THREE (3) HELICAL ANCHOR TESTING LOCATIONS ARE NOTED ON THIS SHEET.

VIBRATION MONITORING

HOME WHERE A SEAWALL IS TO BE INSTALLED.

- 1. PRIOR TO BEGINNING THE SHEETPILE INSTALLATION, THE CONTRACTOR SHALL VISIT AND INSPECT EACH HOUSE ADJACENT TO THE PROPOSED SEAWALL LOCATION.
- 2. THE CONTRACTOR SHALL TAKE PHOTOGRAPHS OF BOTH THE INTERIOR AND EXTERIOR OF EACH HOUSE TO DOCUMENT ANY EXISTING HOUSE STRUCTURAL FAILURES.
- 3. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A QUALIFIED GEO-TECHNICAL ENGINEER TO INSTALL AND MONITOR A VIBRATION CONTROL INSTRUMENT AT EACH

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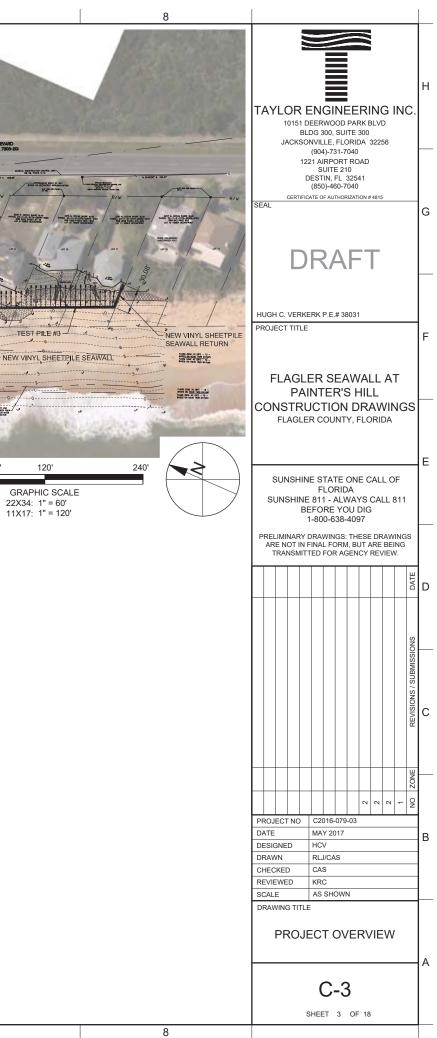
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- 4. THE VIBRATION MONITOR SHALL BE MOVED TO THE NEXT HOME AS THE SEAWALL ADVANCES.
- 5. AFTER THE SEAWALL IS INSTALLED, THE CONTRACTOR SHALL PERFORM A "POST" EVALUATION AND INSPECTION OF EACH HOME.

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6. THE CONTRACTOR IS TO OBTAIN SIGNED RELEASES FROM EACH HOMEOWNER AFTER THE SEAWALL IS INSTALLED.



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				BORING LOG PROJECT: GROTEONICAL DISCONTON PANALER SALL BREY FILE PLANAR BOUTY PLANDA CLENT TAKON BASEBRIG LOCATON: SEE BORING LOCATON PLAN REMARKS BOPTN W ROAT SHOWN T. S BOPTN W ROAT SHOW		TAYLOR ENGINEERING INC. 10151 DEERWOOD PARK BLVD BLDG 300, SUITE 300 JACKSONVILLE, FLORIDA 32256 (904)-731-7040 1221 AIRPORT ROAD SUITE 210 DESTIN, FL 32541 (850)-460-7040 CERTIFICATE OF AUTHORIZATION# #815
		232 5 5 	3-4 0 3-4 0	2-3-3 6 5- - - - - - - - - - - - - - - - - - -	02 45	HUGH C. VERKERK P.E # 38031
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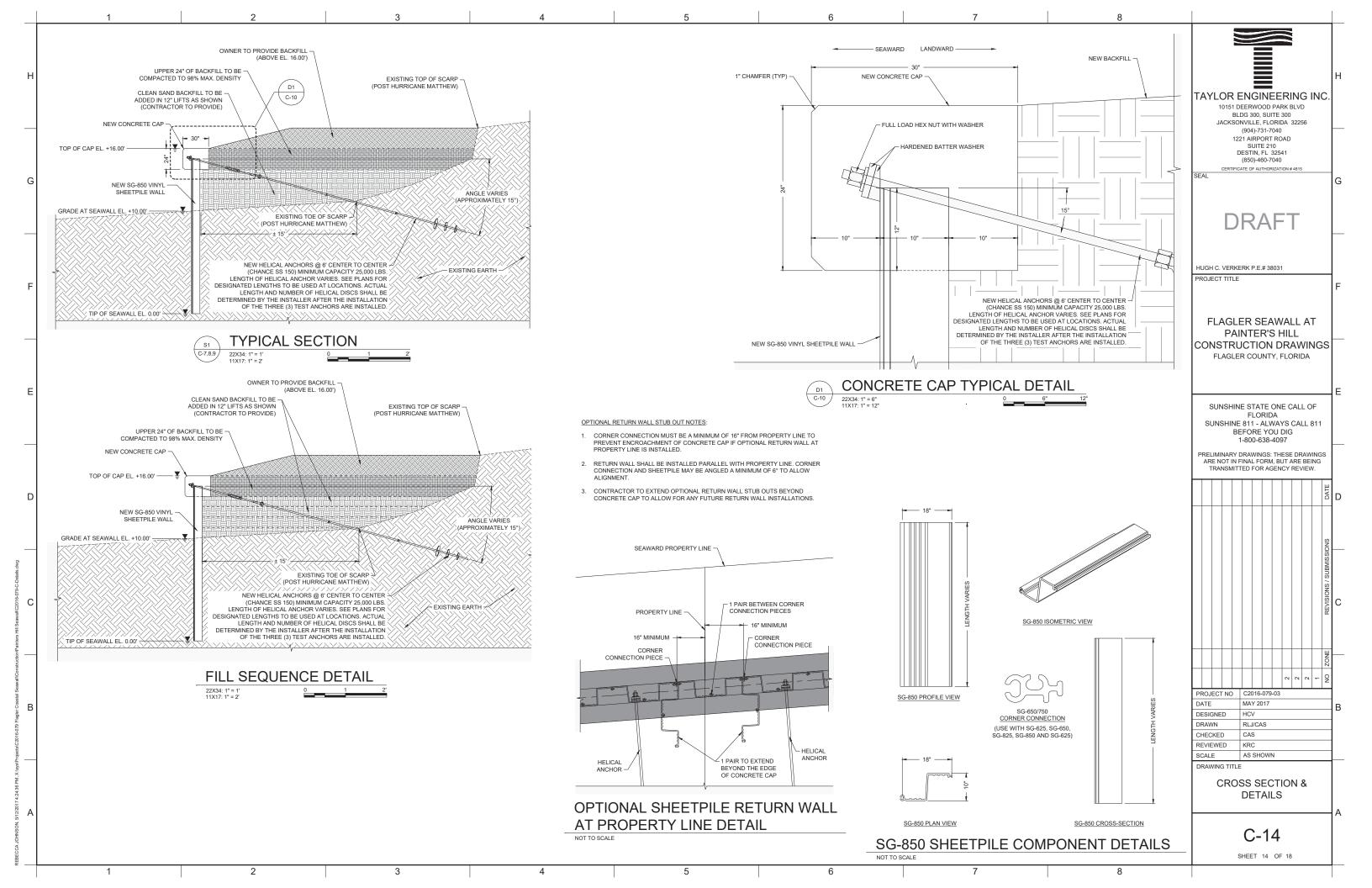


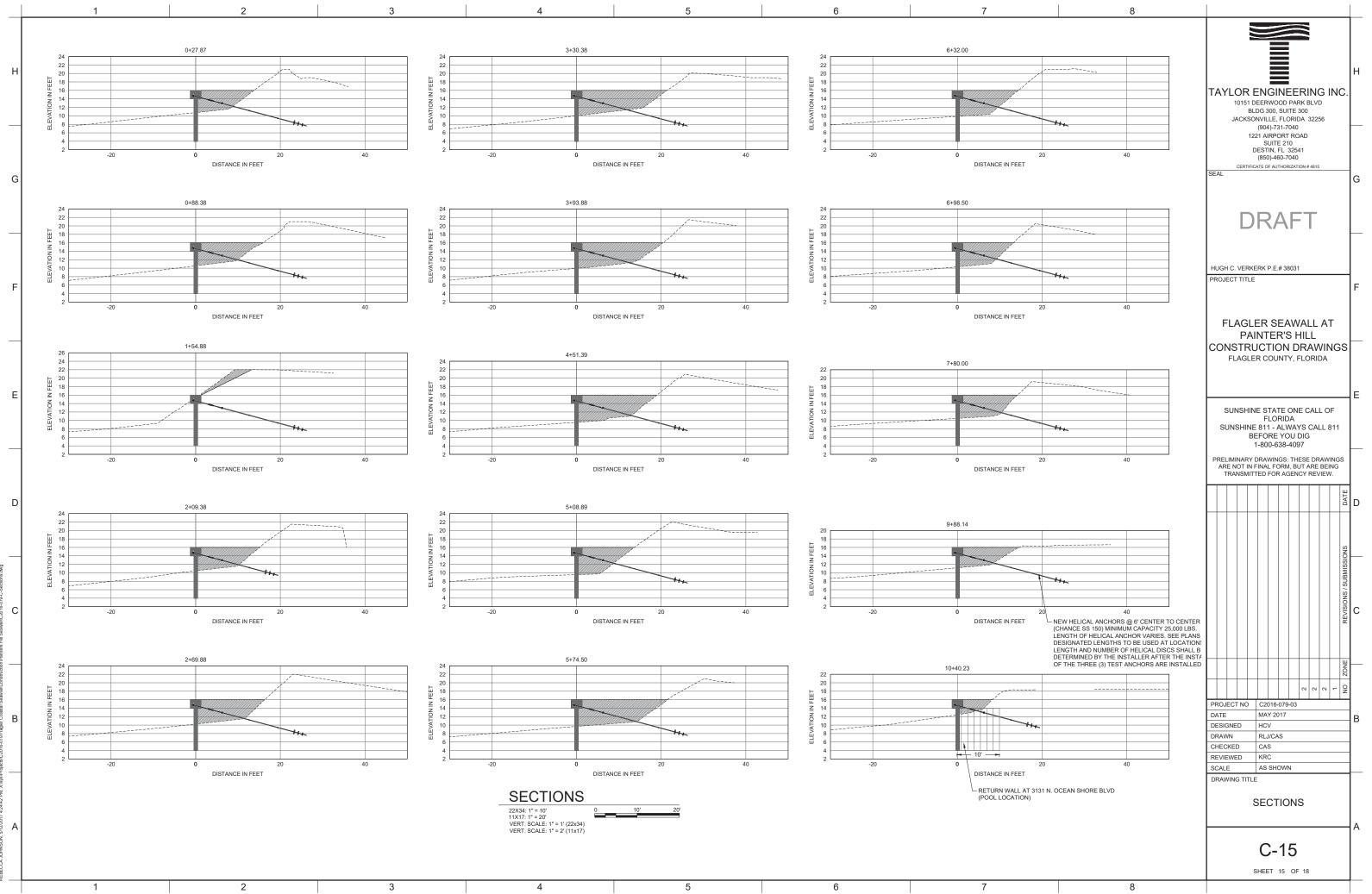


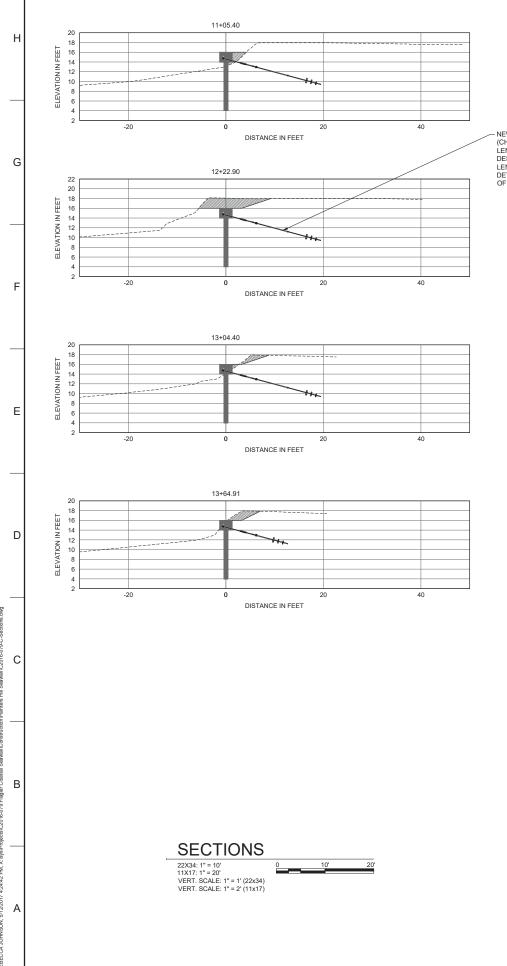












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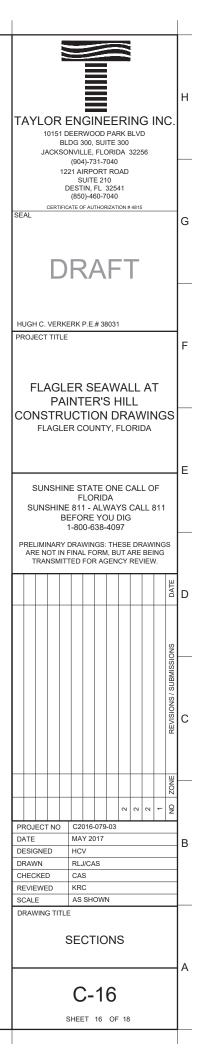
NEW HELICAL ANCHORS @ 6' CENTER TO CENTER (CHANCE SS 150) MINIMUM CAPACITY 25,000 LBS. LENGTH OF HELICAL ANCHOR VARIES. SEE PLANS FOR DESIGNATED LENGTHS TO BE USED AT LOCATIONS. ACTUAL LENGTH AND NUMBER OF HELICAL DISCS SHALL BE DETERMINED BY THE INSTALLER AFTER THE INSTALLATION OF THE THREE (3) TEST ANCHORS ARE INSTALLED.(TYPICAL)

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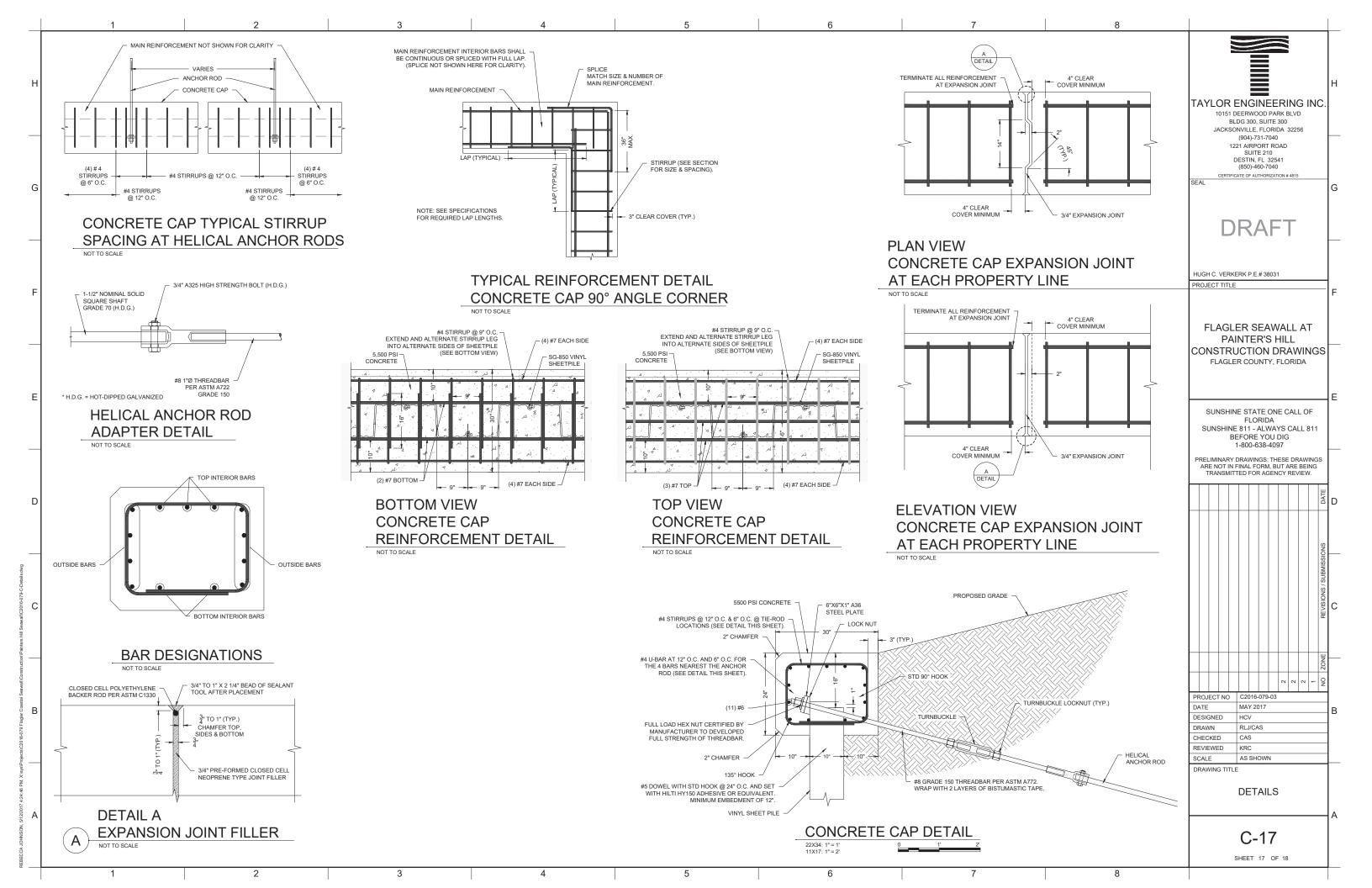
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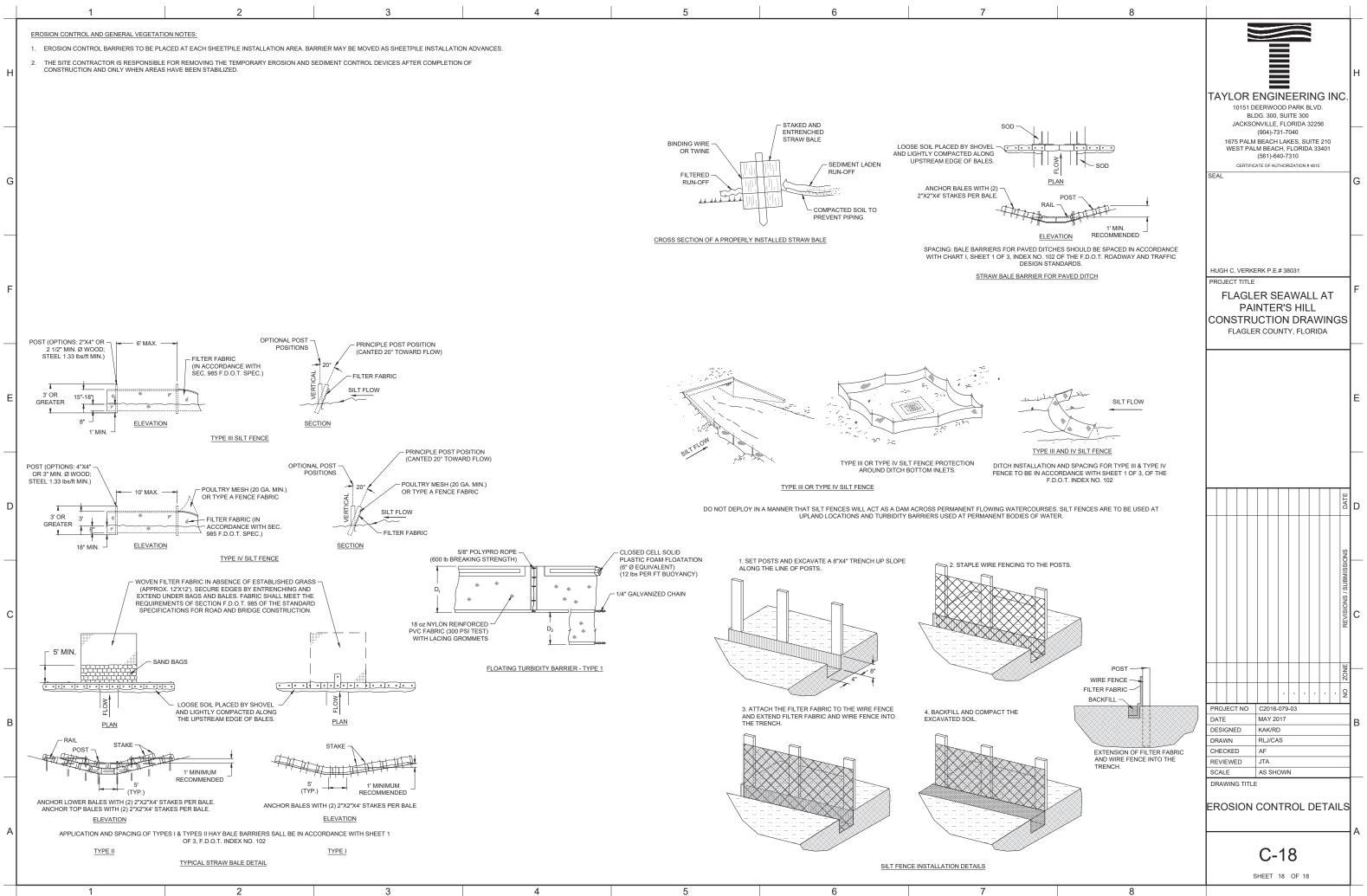
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