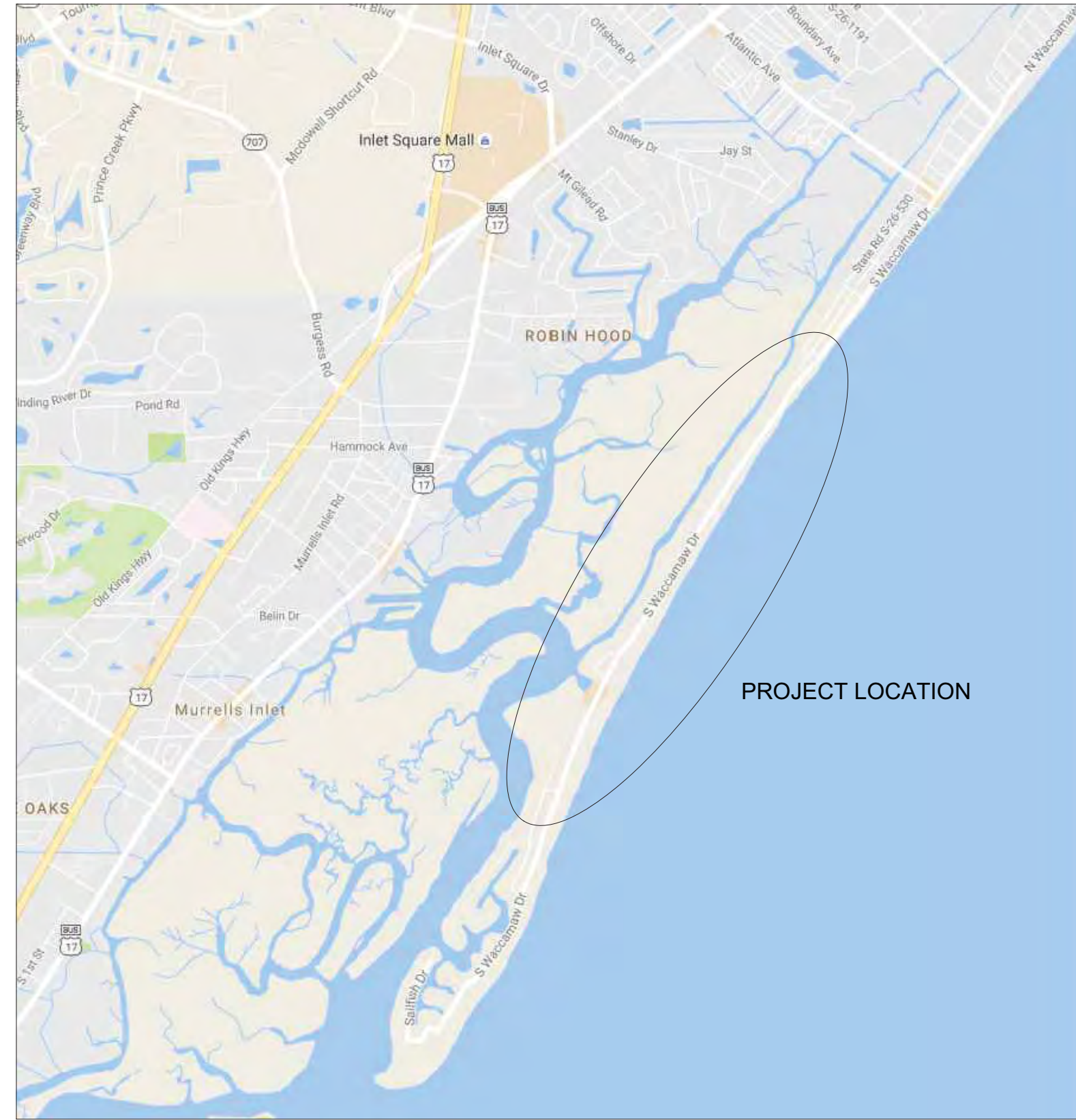


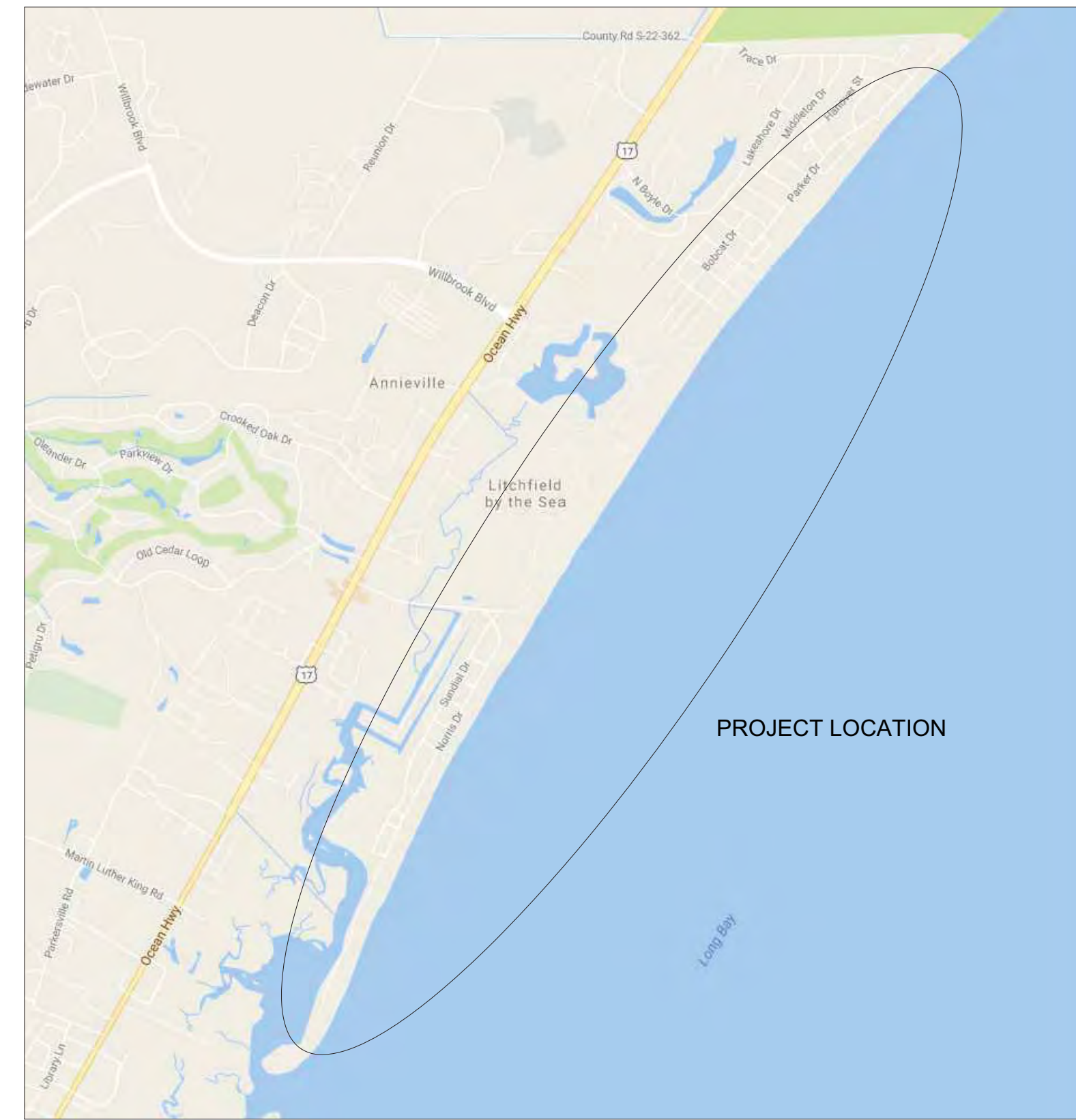
PROJECT No. 16-108

BEACH WALK-OVERS

GEORGETOWN COUNTY, SC



VICINITY MAP - GARDEN CITY



VICINITY MAP - LITCHFIELD

ARCHITECTURAL ABBREVIATIONS

A.D.	AREA DRAIN	E.F.D.	EXTERIOR FLOOR DRAIN	HARDWD	HARDWOOD	O2	OXYGEN	STOR.	STORAGE
A.D.A.	AMERICANS WITH DISABILITIES ACT	E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	HDW.	HARDWARE	OA	OUTSIDE AIR	STRUCT.	STRUCTURE
A.F.F.	ABOVE FINISHED FLOOR	E.S.R.	ELASTOMETRIC SHEET ROOFING	HGT.	HEIGHT	OD	OVERFLOW DRAIN	SUSP'D	SUSPENDED
A.P.	ACCESS PANEL	E.W.	EACH WAY	HORZ.	HORIZONTAL	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED	T/	TOP OF
A/C	AIR CONDITIONING	EA.	EACH	HR.	HOUR	O.F.O.I.	OWNER FURNISHED OWNER INSTALLED	T/CNTR.	TOP OF COUNTER
ABV.	ABOVE	EAG	EXHAUST AIR GRILLE	HT.	HEIGHT	OPP.	OPPOSITE	T/FTG.	TOP OF FOOTING
ACT	ACOUSTICAL CEILING TILE	E.E.W.	EMERGENCY EYE WASH	HVAC	HEATING VENTILATION AND AIR CONDITIONING	P.E.	PHOTO-ELECTRIC	T/GRATE	TOP OF GRATE
AHU	AIR HANDLING UNIT	EJ	EXPANSION JOINT	HZ.	HERTZ	P.P.	PLUMBING PANEL	T/SLAB	TOP OF SLAB
ALUM.	ALUMINUM	EL.	ELEVATION	INDOOR/OUTDOOR		PH.	PHONE	TELE.	TELEPHONE
B.F.C.	BELOW FINISHED CEILING	ELEC.	ELECTRICAL	IBC	INTERNATIONAL BUILDING CODE	PLUMB.	PLUMBING	THK.	THICK
B.F.P.	BACKFLOW PREVENTER	ELEV.	ELEVATION	INFO.	INFORMATION	PLYWD.	PLYWOOD	TP	TRAP PRIMER
B.W.	BOTH WAYS	EQ.	EQUAL	INSUL.	INSULATION	PRESS.	PRESSURE	TRTD.	TREATED
B/	BOTTOM OF	EQUIP.	EQUIPMENT	INT.	INTERIOR	PVC	POLY-VINYL CHLORIDE	TW	TEMPERED WATER
B/CAB.	BOTTOM OF CABINET	E.S.H.	EMERGENCY SHOWER	J.B.	JOIST BEAM	QTY.	QUANTITY	TYP.	TYPICAL
BLDG.	BUILDING	EWC	ELECTRIC WATER COOLER	JAN.	JANITOR	R.D.	ROOF DRAIN	U	URINAL
BTUH	BRITISH THERMAL UNITS	EWH	ELECTRIC WATER HEATER	LAV.	LAVATORY	R.O.	ROUGH OPENING	U.L.	UNDERWRITERS LABORATORIES
C/C	CENTER TO CENTER	F.D.	FLOOR DRAIN	LVR.	LOUVER	R.R.	RESTROOM	U.N.O.	UNLESS NOTED OTHERWISE
COND	CONDENSATE	F.E.	FIRE EXTINGUISHER	M.L.	MATCH LINE	RAG	RETURN AIR GRILLE	U-CUT	UNDERCUT
CD	CEILING DIFFUSER	F.O.C.	FACE OF CONCRETE	M.O.	MASONRY OPENING	REC.	RECEPTACLE	V	VENT
CEN.	CENTER	F.O.M.	FACE OF MASONRY	M.S.	MOP SINK	REF.	REFERENCE	V.	VOLT
CFH	CUBIC FEET PER HOUR	F.O.S.	FACE OF STUD	MATL.	MATERIAL	REINF.	REINFORCING	V.C.T.	VINYL COMPOSITE TILE
CFM	CUBIC FEET PER MINUTE	F.R.	FIRE RATED (RESISTIVE)	MAX.	MAXIMUM	REQ'D	REQUIRED	V.I.F.	VERIFY IN FIELD
CJ	CONTROL JOINT	FCO	FLOOR CLEANOUT	MECH.	MECHANICAL	RESIL	RESILIENT	VA	VACUUM
CL	CENTER LINE	FIN.	FINISH	MEZZ.	MEZZANINE	REV.	REVERSE	VEN.	VENDOR
CLG.	CEILING	FIN. FLR.	FINISH FLOOR	MFR.	MANUFACTURER	RM.	ROOM	VERT.	VERTICAL
CMU	CONCRETE MASONRY UNIT	FLR.	FLOOR	MIL.	MILLIMETER	RTU	ROOF TOP UNIT	VEST.	VESTIBULE
COL.	COLUMN	FPWH	FROST PROOF WALL HYDRANT	MIN.	MINIMUM	S.	SINK	VTR	VENT THROUGH ROOF
CONC.	CONCRETE	FTG.	FOOTING	MIN.	MINUTE	S/S	STAINLESS STEEL	W.C.	WATER CLOSET
COND.	CONDENSATE	FURN.	FURNACE	MR GYP.	MOISTURE RESISTANT GYP. BOARD	S.A.F.B.	SOUND ATTENUATION FIBERGLASS BATT INSULATION	W.H.	WATER HEATER
CONST.	CONSTRUCTION	G	NATURAL GAS	MTL.	METAL	SAN.	SANITARY	W.P.	WORKING POINT
CONT.	CONTINUOUS	G.C.	GENERAL CONTRACTOR	MTL.	METAL	SCHED.	SCHEDULE	W.W.F.	WELDED WIRE FABRIC
COORD.	COORDINATE	G.P.H.	GALLONS PER HOUR	MTR.	METER	SEC.	SECOND	W.W.M.	WELDED WIRE MESH
CORR.	CORRIDOR	GA.	GAUGE	N.I.C.	NOT IN CONTRACT	SHT.	SHEET	W/	WITH
C.T.	CERAMIC TILE	GAL.	GALLONS PER HOUR	N.T.S.	NOT TO SCALE	SIM.	SIMILAR	WATT.	WATTAGE
DCW	DOMESTIC COLD WATER	G.F.I.C.	GROUND FAULT INTERCEPT CIRCUIT	N/A	NOT APPLICABLE	SPECS.	SPECIFICATIONS	WC	WATER CLOSET
D.F.	DRINKING FOUNTAIN	GR.	GRADE	N2	NITROGEN	SPKLR.	SPRINKLER	WCO	WALL CLEANOUT
DHW	DOMESTIC HOT WATER	GWH	GAS WATER HEATER	NO.	NUMBER	SQ.	SQUARE	WF	WASH FOUNTAIN
DHWR	DOMESTIC HOT WATER RETURN	GYP.	GYP. BOARD	NOM.	NOMINAL	W.P.	WATER PROOF	WP	WATER PROOF
DIA.	DIAMETER	H.C.	HANDICAP ACCESSIBLE	O.C.	ON CENTER	ST.	STORM DRAIN	YCO	YARD CLEANOUT
DN.	DOWN	H.M.	HOLLOW METAL	O.D.	OUTSIDE DIMENSION	STD.	STANDARD	YD.	YARD
DWG.	DRAWING	H.R.	HANDRAIL	NO2	NITROUS OXIDE	STL.	STEEL		

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3	GARDEN CITY BEACH
4	GARDEN CITY BEACH
5	GARDEN CITY BEACH
6	GARDEN CITY BEACH
7	LITCHFIELD BEACH INDEX SHEET
8	LITCHFIELD BEACH
9	LITCHFIELD BEACH
10	LITCHFIELD BEACH

SCOPE OF WORK

SECTION	TITLE
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II	PHASE II - SCOPE OF WORK
III	PHASE III - SCOPE OF WORK
IV	PHASE IV - SCOPE OF WORK

STANDARD DETAILS

SHEET	TITLE
S1.01	DETAIL "A" - STAIRS
S1.02	DETAIL "B" - STAIRS
S1.03	DETAIL "C" - WALKWAY
S1.04	DETAIL "D" - WALKWAY
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S1.08	DETAIL "H" - STAIRS
S1.09	DETAIL "I" - ON-GRADE WALKWAY
S1.10	DETAIL "J" - ACCESSIBLE RAMPS
S1.11	DETAIL "K" - GARBAGE BIN
S2.01	ACCESSIBLE RAMP DETAILS
S3.01	STRUCTURAL NOTES

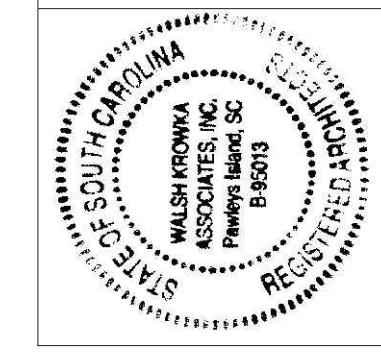
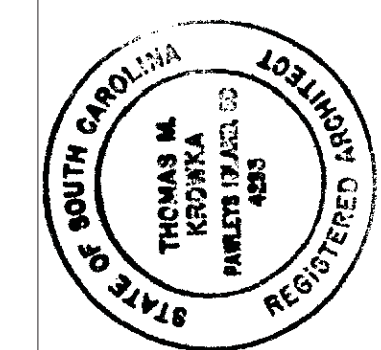
PUBLIC ACCESS 54 - ORIGINAL DOCUMENTS

SHEET	TITLE
L102	SITE PLAN W/ EARTHWORKS MARK-UPS
L103	LAYOUT & KEY PLAN W/ EARTHWORKS MARK-UPS
L104	GRADING PLAN W/ EARTHWORKS MARK-UPS
L301	CONSTRUCTION DETAILS W/ EARTHWORKS MARK-UPS

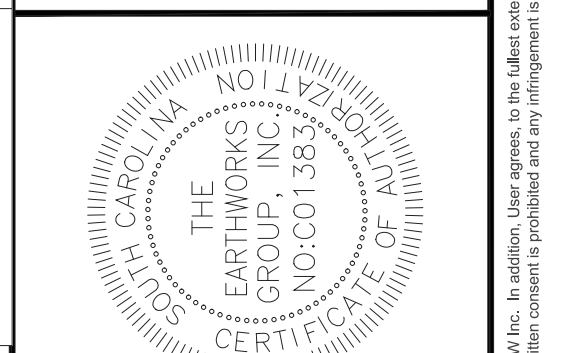
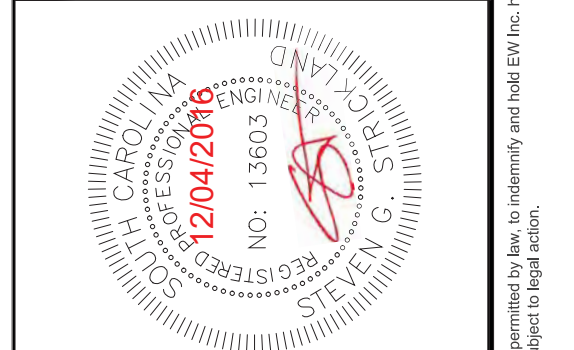
PUBLIC ACCESS 02 - ORIGINAL DOCUMENTS

SHEET	TITLE
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A-1-0	SITE / SECTION / DETAIL
S1	STRUCTURAL FRAMING DESIGN W/ EARTHWORKS MARK UPS - PA 02
S1	STRUCTURAL FRAMING DESIGN W/ EARTHWORKS MARK UPS - PA 42

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5	##	##
6	##	##
7	##	##
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10	##	##
11	##	##
12	##	##

PROJECT: 161188-000
CONTRACT #15-059

LOCATION: BEACH WALK-OVERS
GEORGETOWN COUNTY, SC

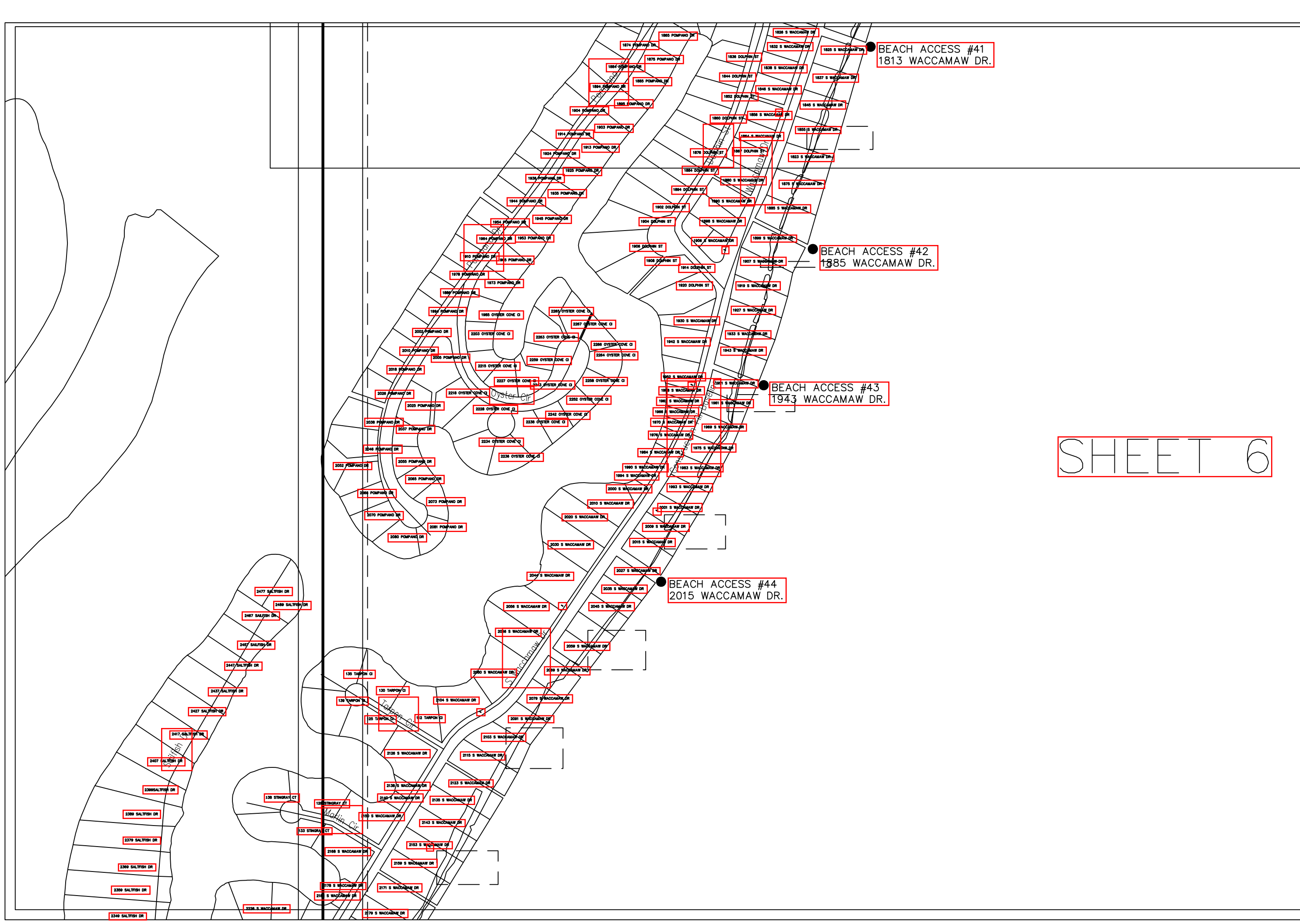
PREPARED FOR: GEORGETOWN COUNTY, SC

COVER SHEET

PROJECT: 161188-000	DATE: 12/4/2016	SCALE: AS NOTED	DESIGNED BY: SGS	DRAWN BY: DHC	CHECKED BY: SGS
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SHEET
G01

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SHEET 6



No. 11/8/2016

BEACH ACCESS LOCATIONS
 GEORGETOWN COUNTY, SOUTH CAROLINA

SCALE: 1"=300'
 DESIGNED BY: ASB
 DRAWN BY: MPM
 DATE: 11/8/2016

GARDEN CITY BEACH

6
 SHEET NO:

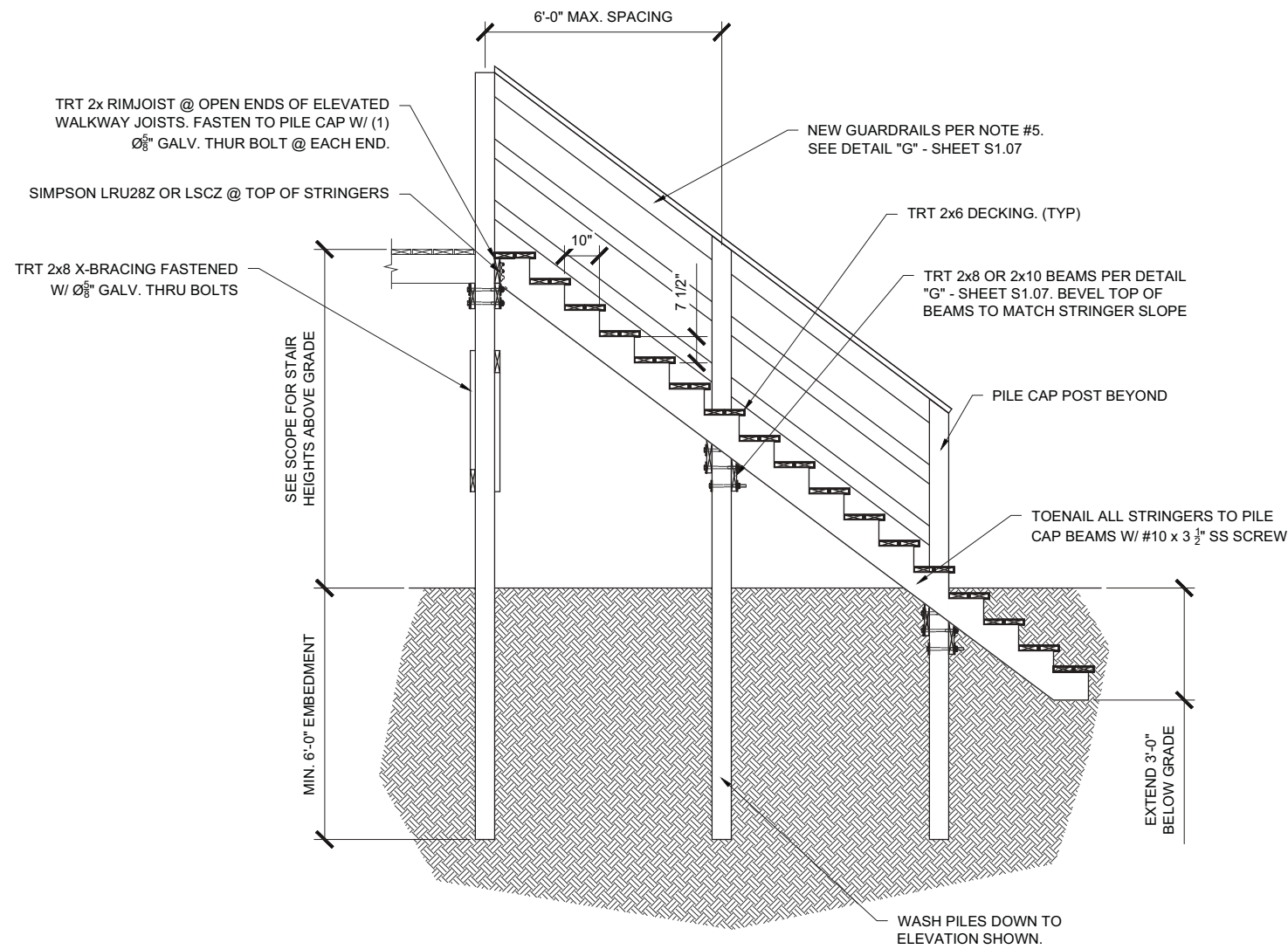
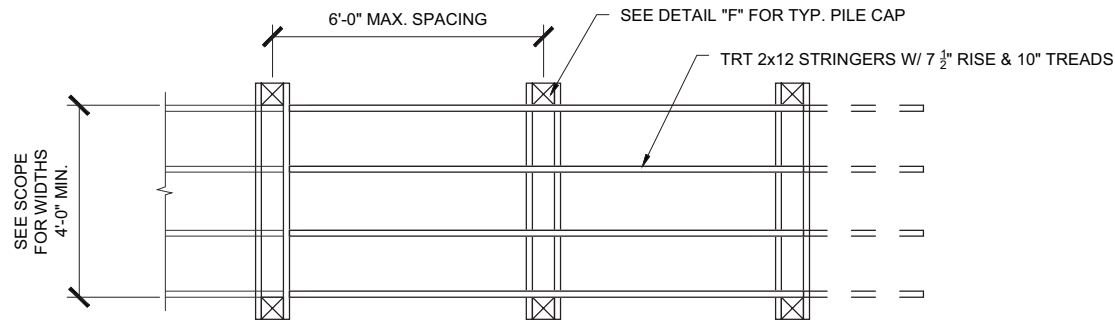


PHASE II - SCOPE OF WORK GEORGETOWN COUNTY PUBLIC BEACH ACCESSES

Public Accesses: No. 28 thru No. 44, excluding No. 42.

Beach Access Identification			Required Repairs						
Access #	Type	Walkway Width (ft)	Elevated Walkways		Steps/Ramp		Steps/Ramp		Roadside Walkway
			Drawing Detail	Length (ft)	Drawing Detail	Height (ft)	Drawing Detail	Height (ft)	Comments/Damage
43	STANDARD DUNE CROSSOVER	4'-0"	"D"	16'-0"	"F"	2'-0"	-	-	Covered in sand.
			-	-	"B"	8'-0"	-	-	
			Notes: Demolition: Full demo of walkover Replace with new Ramp --> Elevated Walkway --> Stairs onto beach.						
Date Assessed:		11/10/2016							
Adjacent Lot Address:		1943 S. Waccamaw							
Access #	Type	Walkway Width (ft)	Elevated Walkways		Steps/Ramp		Steps/Ramp		Roadside Walkway
			Drawing Detail	Length (ft)	Drawing Detail	Height (ft)	Drawing Detail	Height (ft)	Comments/Damage
44	STANDARD DUNE CROSSOVER	N/A	"D"	16'-0"	"F"	2'-0"	-	-	No walkway to road. Replace approx. 80'-0" of on-grade walkway.
			-	-	"B"	8'-0"	-	-	
			Notes: No structure to observe Appears to be emergency access location						
Date Assessed:		11/10/2016							
Adjacent Lot Address:		2015 S. Waccamaw							

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B STAIRS TO GRADE + PILE CAPS
S1.02 SCALE: 1/4" = 1'-0"

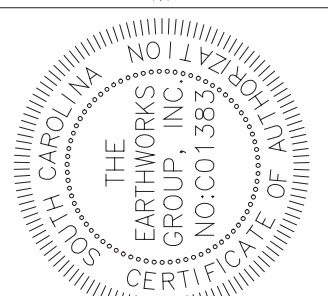
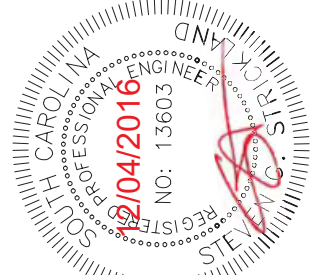
NOTE: USE DETAIL "H" - SHEET S1.08 AT LOCATIONS WHERE EXISTING WALKWAY IS TEN (10) FEET OR MORE ABOVE EXISTING BEACH.

- GENERAL NOTES:**
- 1.) ALL TIMBER TO BE USED SHALL BE PRESSURE TREATED ACCORDING TO SHEET S3.01. NO CREOSOTE-TREATED MATERIALS SHALL BE USED.
 - 2.) ALL FASTENERS SHALL BE STAINLESS STEEL, U.N.O.
 - 3.) STAIRS TO GRADE SHALL BE EXTENDED 3'-0" VERTICALLY & BURIED BELOW GRADE.
 - 4.) NEW PILE CAPS TO BE INSTALLED SHALL BE SPACED 8'-0" O.C. MAXIMUM FOR WALKWAYS & 6'-0" O.C. MAXIMUM FOR STAIRWAYS, UNLESS NOTED OTHERWISE.
 - 5.) WHERE SECTIONS (STAIRS, RAMPS, OR ELEVATED WALKWAYS) ARE REPLACED, NEW GUARDRAILS SHALL BE INSTALLED FOR THE ENTIRETY OF THE NEW LENGTH, EACH SIDE, PER DETAIL "G".

WALKOVER DETAILS
PUBLIC ACCESSES
GEORGETOWN COUNTY, SC
PREPARED FOR
GEORGETOWN COUNTY
DETAIL "B" - STAIRS

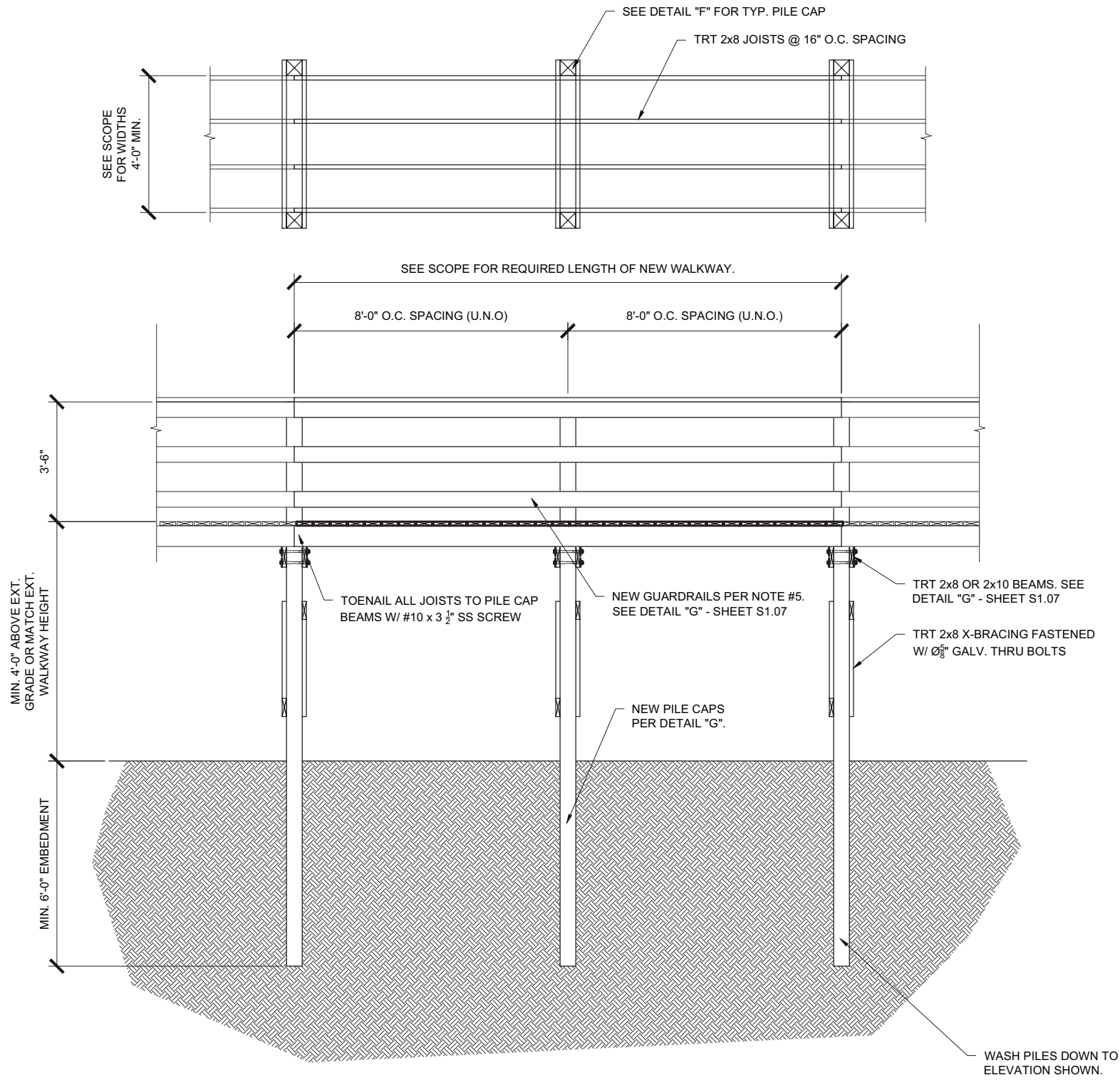


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D ELEVATED WALKWAY + PILE CAPS
S1.04 SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
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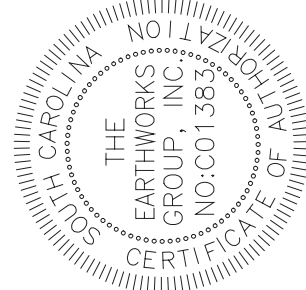
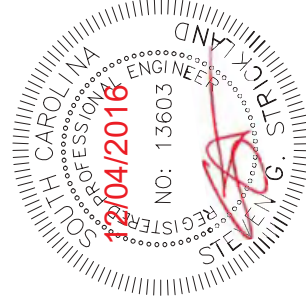
WALKOVER DETAILS
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DETAIL "D" - WALKWAY

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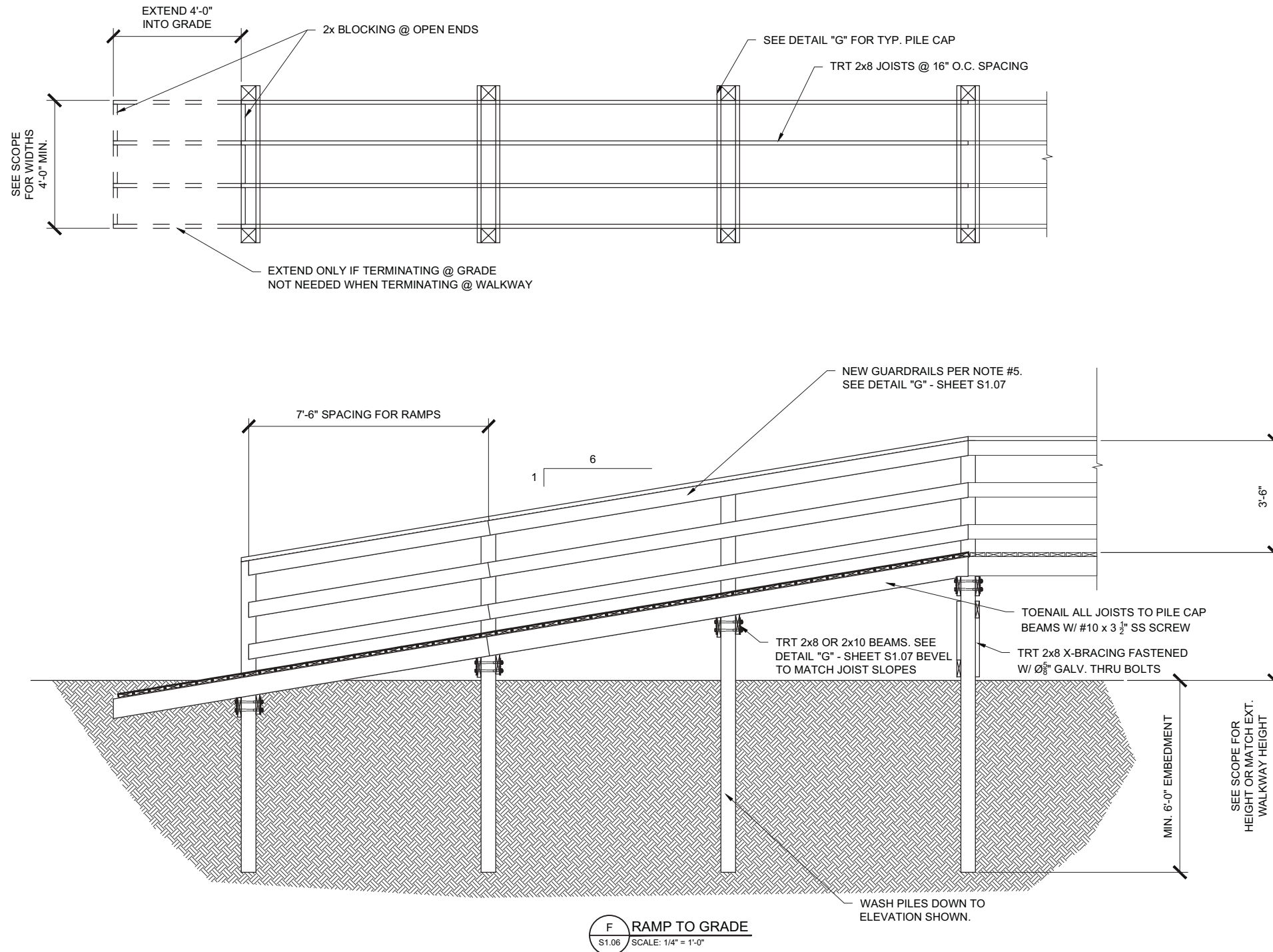
SHEET **S1.04** OF 13



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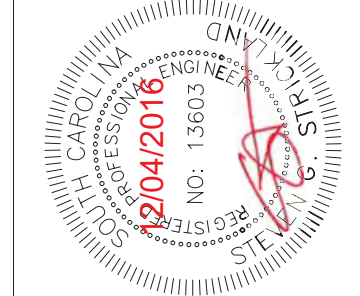


- GENERAL NOTES:
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 - 2.) ALL FASTENERS SHALL BE STAINLESS STEEL, U.N.O.
 - 3.) STAIRS TO GRADE SHALL BE EXTENDED 3'-0" VERTICALLY & BURIED BELOW GRADE.
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WALKOVER DETAILS
PUBLIC ACCESSES
GEORGETOWN COUNTY, SC
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GEORGETOWN COUNTY
DETAIL "F" - RAMPS

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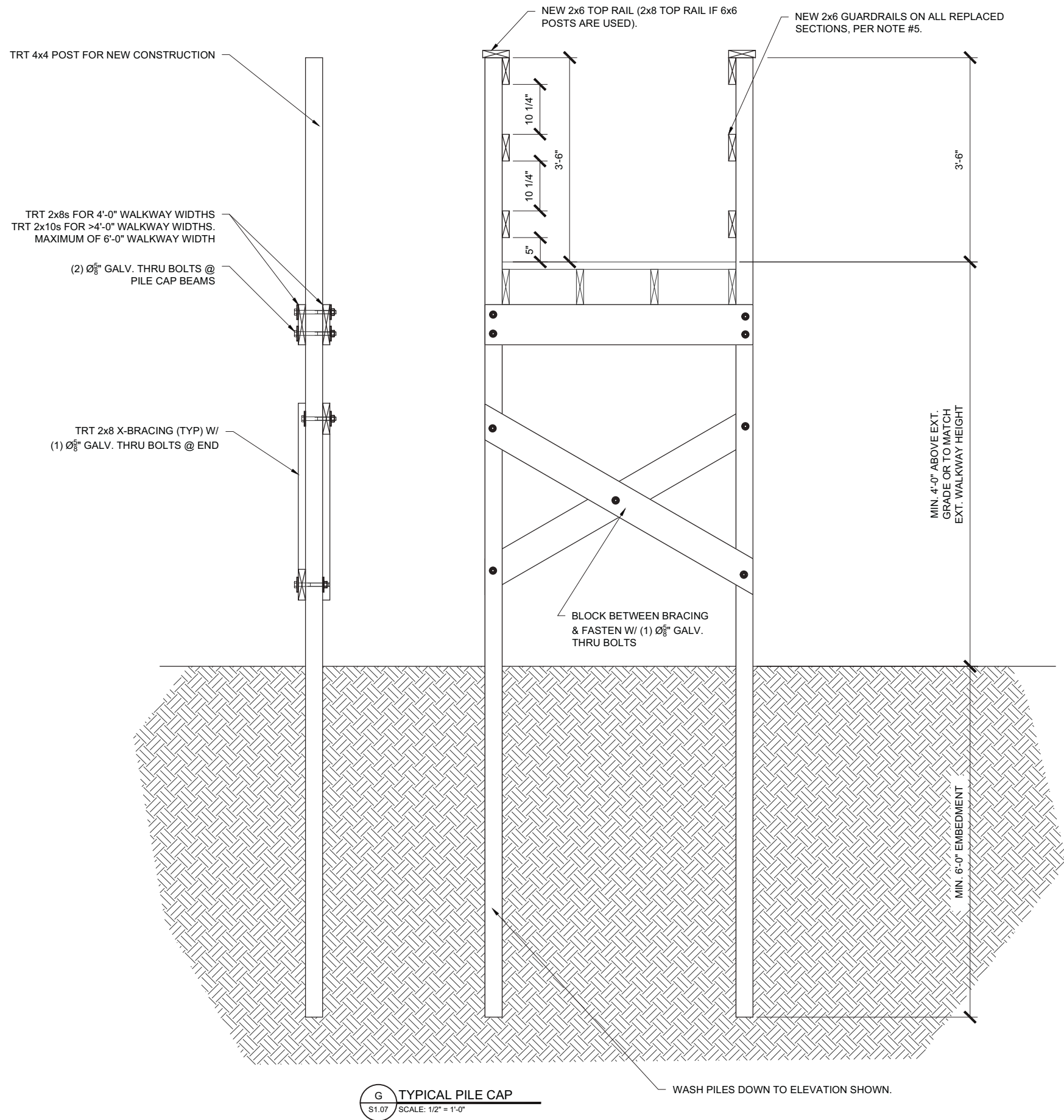
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G TYPICAL PILE CAP
S1.07 SCALE: 1/2" = 1'-0"

- GENERAL NOTES:**
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WALKOVER DETAILS
PUBLIC ACCESSES
GEORGETOWN COUNTY, SC
PREPARED FOR
GEORGETOWN COUNTY

DETAIL "G" - PILE CAPS

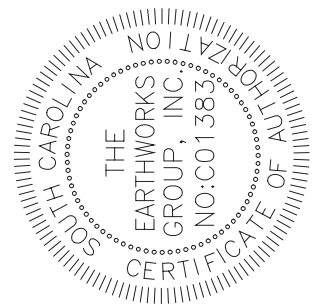
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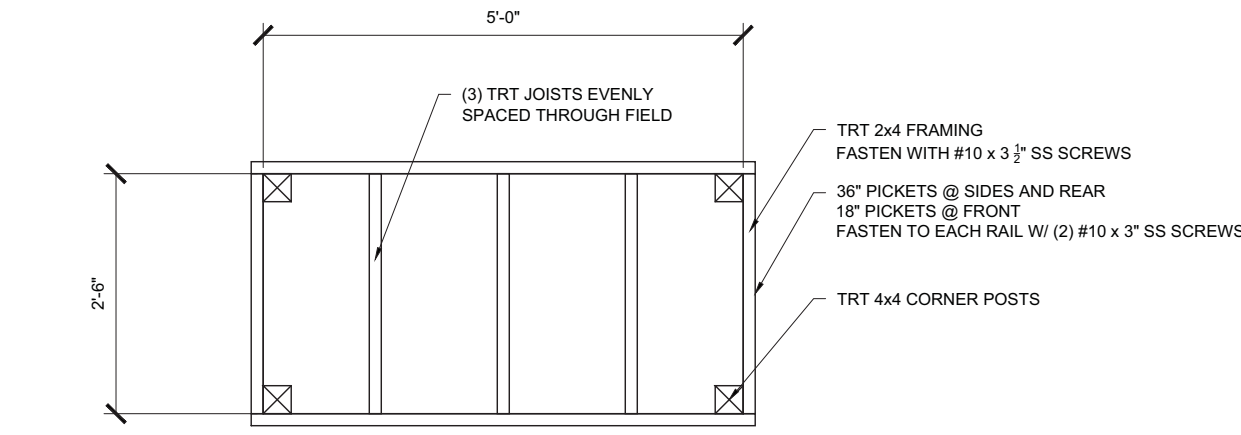
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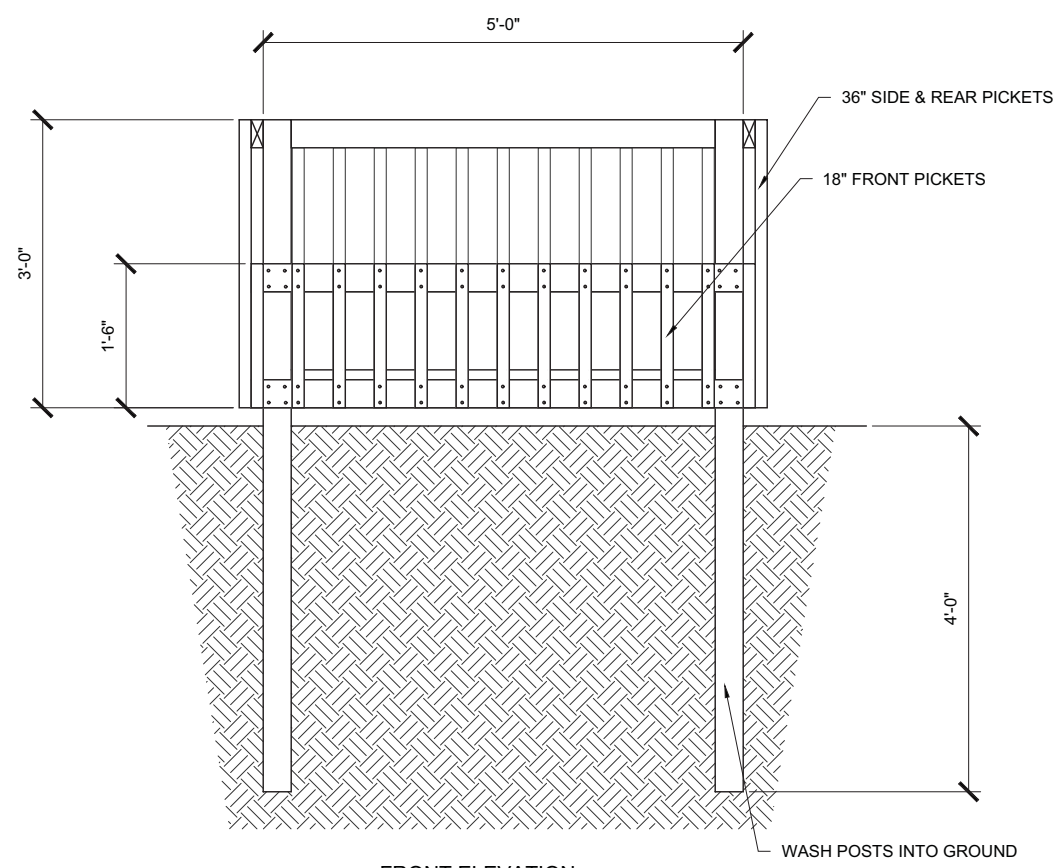
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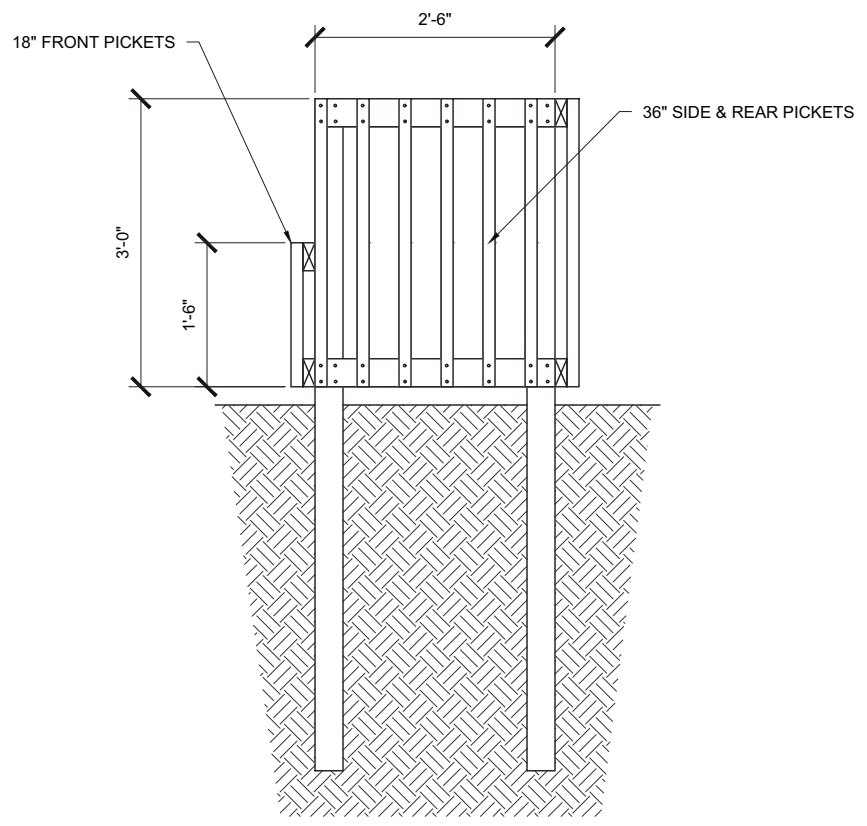
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K GARBAGE BIN
S1.11 SCALE: 1/2" = 1'-0"



FRONT ELEVATION
SCALE: 1/2" = 1'-0"

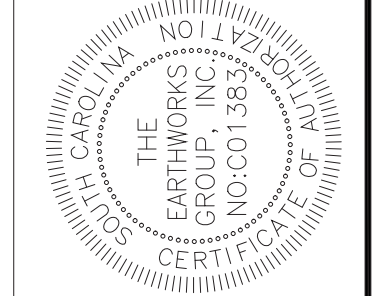
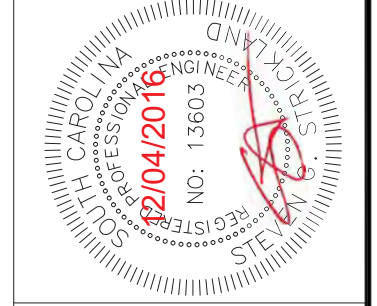


RIGHT ELEVATION
SCALE: 1/2" = 1'-0"

- GENERAL NOTES:**
- 1.) ALL TIMBER TO BE USED SHALL BE PRESSURE TREATED ACCORDING TO SHEET S3.01. NO CREOSOTE-TREATED MATERIALS SHALL BE USED.
 - 2.) ALL FASTENERS SHALL BE STAINLESS STEEL, U.N.O.
 - 3.) STAIRS TO GRADE SHALL BE EXTENDED 3'-0" VERTICALLY & BURIED BELOW GRADE.
 - 4.) NEW PILE CAPS TO BE INSTALLED SHALL BE SPACED 8'-0" O.C. MAXIMUM FOR WALKWAYS & 6'-0" O.C. MAXIMUM FOR STAIRWAYS, UNLESS NOTED OTHERWISE.
 - 5.) WHERE SECTIONS (STAIRS, RAMPS, OR ELEVATED WALKWAYS) ARE REPLACED, NEW GUARDRAILS SHALL BE INSTALLED FOR THE ENTIRETY OF THE NEW LENGTH, EACH SIDE, PER DETAIL "G".

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WALKOVER DETAILS
PUBLIC ACCESSES
GEORGETOWN COUNTY, SC
PREPARED FOR
GEORGETOWN COUNTY

DETAIL "K" - GARBAGE BIN

ADDITIONS, SUBMITTALS & REVISIONS

NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY
1	-/-/-			5	-/-/-		
2	-/-/-			6	-/-/-		
3	-/-/-			7	-/-/-		
4	-/-/-			8	-/-/-		

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TIMBER PILES:

REFERENCED STANDARD

THE PUBLICATIONS LISTED BELOW FORM A PART OF THIS SPECIFICATION TO THE EXTENT REFERENCED. THE PUBLICATIONS ARE REFERRED TO IN THE TEXT BY THE BASIC DESIGNATION ONLY.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) ASTM D 25, ROUND TIMBER PILES AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA), AF&PA.

AWPA U1 1990 PILES, PRESSURE TREATMENT AWPA M4, 1990 CARE OF PRESSURE TREATMENT AWPA M6 1988 BRANDS USED ON FOREST PRODUCTS AWPA MP-4 1988 MARINE PILING PRESSURE TREATED WITH WATERBORNE WATERS

AWPA QCIP 1988 PRESSURE TREATED LUMBER, TIMBERS PLYWOOD CONSTRUCTION POLES, PILES AND SPECIAL PURPOSE USE PRODUCTS INSPECTION AND ACCEPTANCE OF PILES ACCEPTANCE WILL BE ON THE BASIC CERTIFICATION, INSPECTION OF MATERIALS PROPOSED TO BE INCORPORATED IN THE WORK, RECEIPT OF, PILE DRIVING RECORDS, AND INSPECTION OF THE COMPLETED PRODUCT.

PILE DRIVING RECORDS

THE CONTRACTOR SHALL APPOINT A COMPETENT INSPECTOR QUALIFIED BY EXPERIENCE AND TRAINING. THE INSPECTOR SHALL BE PRESENT AT ALL TIMES DURING PILE DRIVING OPERATIONS AND SHALL INSPECT ALL WORK IN CONNECTION WITH THE INSTALLATION OF THE PILES.

THE INSPECTOR SHALL KEEP THE FOLLOWING RECORDS FOR EACH PILE:

- A. TYPE OF PILE
- B. SIZE OF PILE
- C. HAMMER MAKE, TYPE, SIZE, WEIGHT, AND FALL OF RAM
- D. RATED BLOWS PER MINUTE AND ENERGY PER BLOW
- E. DRIVING RECORD FOR THE FULL LENGTH OF THE PILE; BLOWS PER FT. F. DRIVEN LENGTH BELOW CUTOFF
- G. PILE TIP ELEVATION H. PILE CUTOFF ELEVATION

THE RECORD SHALL BE KEPT UP-TO-DATE IN A NEAT AND LEGIBLE MANNER AND SHALL BE AVAILABLE FOR REVIEW BY THE ENGINEER. A COPY OF THE RECORD SHALL BE PROVIDED TO THE ENGINEER AT THE COMPLETION OF EACH DAY'S WORK.

MANUFACTURER'S CERTIFICATION; SUBMIT THE COPIES OF MANUFACTURE CERTIFICATION THAT THE PILING COMPLIES WITH THE SPECIFIED REQUIREMENTS.

QUALITY ASSURANCE:

TIMBER PILES PRESERVATIVE TREATMENT: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF THE TREATED WOOD

PRODUCTS. AWPA QCIP QUALITY MARK AWPA ND-1, AWPA ND-4 WILL BE ACCEPTED AS EVIDENCE OF COMPLIANCE WITH

DELIVERY, STORAGE, AND HANDLING, STORE PILES IN ACCORDANCE WITH AWA MA.

PROVIDE STANDARD CLASS B SOUTHERN PINE CLEAN-PEELED PILES CONFORMING TO ASTM D 25. PILES SHALL BE IN ONE PIECE. SPLICES WILL NOT BE PERMITTED. EACH TREATED PILE SHALL BE BRANDED BY THE PRODUCER, IN ALL PILES SHALL BE A MINIMUM OF 45 FEET LONG. MINIMUM TIP DIAMETER SHALL BE 8 INCHES. MINIMUM BUTT DIAMETER SHALL BE 12 INCHES (MEASURED 3 FEET FROM THE BUTT).

TREAT PILES BY THE FULL-CELL PRESSURE PROCESS IN ACCORDANCE WITH AWPA U1 (COMMODITY SPECIFICATION A, USE CATEGORY 4C) FOR ROUND TIMBER PILES, AWPA U1 (COMMODITY SPECIFICATION A, USE CATEGORY 4B) FOR SAWN TIMBER PILES, AWPA C3 FOR MARINE PILING.

WATERBORNE PRESERVATIVE FOR MARINE PILES (ACA, ACZA, CCA)

TREAT PILES TO A RETENTION RATE OF 2.5 LB. CU./ FT.

TREATMENT REQUIREMENTS FOR MARINE CONSTRUCTION:

	FRESH WATER	SALT WATER
BELOW WATER MEMBERS		
ROUND PILES	2.5 CCA, 1.0 CCA AWPA UC5A, 5B, 5C & C3, C18	2.5 CCA, 1.0 CCA AWPA UC5A, 5B, 5C & C3, C18
SAWN PILES, WALERS, SHEET PILES, CROSS BRACING	2.5 CCA, AWPA UC5A, 5B, 5C & C18	2.5 CCA, AWPA UC5A, 5B, 5C & C18
SPLASH ZONE MEMBERS		
SPLIT PILE CAPS & STRINGERS	0.40 ACQ, 0.21 CA, AWPA UC4C & C2, 0.16 MCA	0.60 ACQ, 0.6 CCA, AWPA UC5A, 5B, 5C & C18 0.24 MCA
ABOVE WATER MEMBERS		
DECKING, HANDRAILS WALLCAPS	0.25 ACQ, 0.10 CA, AWPA UC3B & C2 0.07 MCA	0.40 ACQ, 0.21 CCA, AWPA UC3B & C18 0.16 MCA

FIELD QUALITY CONTROL

TIMBER STRUCTURE SPECIFICATION NOTES

ALL TIMBER FOR DECKING, JOISTS, POSTS, POST BLOCKS, GUARD RAILS SHOULD BE SOUTHERN PINE # 1 KDAT. ALL TIMBER SHOULD BE PRESERVATIVELY TREATED TO AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA) STANDARD U1(C-2). IF THE BRIDGE IS BUILT TO VEHICULAR STANDARDS, SOUTHERN PINE PRESERVATIVELY TREATED TO AWPA COMMODITY STANDARD C-14 (USE CATEGORY UC4 OR 5), WOOD FOR HIGHWAY CONSTRUCTION MAY BE APPLICABLE.

ALL FACE AND ANCHOR PILES USED IN CONSTRUCTION SHOULD BE SPECIFIED IN ACCORDANCE WITH ASTM D25. PRESERVATIVE TREATMENT SHALL BE TO AWPA STANDARDS C-3 & C-18 (UC4C, 5A, 5B, 5C).

ALL FASTENERS AND TIE RODS SHOULD BE HOT-DIP GALVANIZED PER ASTM A-153 OR BE CORROSION RESISTANT (BITUMASTIC COATED OR 300 SERIES STAINLESS STEEL).

ALL CUTS, HOLES AND INJURIES TO THE SURFACE OF TREATED WOOD SHOULD BE FIELD PROTECTED BY FIELD TREATMENT MEETING AWPA STANDARD M4.

ALL TREATED WOOD PRODUCTS SHOULD BE HANDLED AND FIELD FABRICATED IN ACCORDANCE WITH AWPA STANDARD M4 FOR THE CARE OF PRESERVATIVE TREATED WOOD PRODUCTS.

FOR FURTHER INFORMATION ON FRESH AND SALTWATER SPECIFICATIONS, CONSULT THE AWPA BOOK OF STANDARDS AND OTHER PUBLICATIONS.

PLANT INSPECTION:

THE ENGINEER RESERVES THE RIGHT TO PERFORM PLANT INSPECTION OF THE TREATING PROCESS. PROVIDE THE ENGINEER WITH A MINIMUM 3-WEEK ADVANCE NOTICE, INDICATING LOCATION OF THE INITIAL PRESERVATIVE TREATMENT. ALLOW THE ENGINEER ACCESS TO THE PLANT FOR INSPECTION

TOLERANCES IN DRIVING PILES: AT CUTOFF ELEVATION, BUTT SHALL BE WITHIN 4 INCHES OF THE LOCATION INDICATED. MANIPULATION TO MOVE PILES INTO POSITION WILL BE PERMITTED ONLY WITHIN THE AFOREMENTIONED TOLERANCE TO RETURN THE PILE TO THE DESIGN LOCATION. A VARIATION OF NOT MORE THAN 0.50 INCH PER FOOT OF PILE LENGTH FROM THE REQUIRED ANGLE FOR BATTER PILES WILL BE PERMITTED. REMOVE AND REPLACE WITH NEW PILES THOSE DAMAGED, MISPLACED, DRIVEN BELOW DESIGN CUTOFF, OR DRIVEN OUT OF ALIGNMENT.

EXECUTION

INSPECT PILES WHEN DELIVERED AND WHEN IN THE LEADS IMMEDIATELY BEFORE DRIVING. CUT PILES AT CUTOFF ELEVATION BY SAWING. CUTOFF ELEVATION FOR PILES SHALL BE A MINIMUM OF 7 FT ABOVE MEAN HIGH WATER.

JETTING OF PILES

WATERJETS SHALL BE USED FOR THE INSTALLATION OF VERTICAL PILE CAP MEMBERS.

PROTECTION OF PILES

DRIVING PILES: OPERATE HAMMER AT MANUFACTURER'S RATED SPEED, AND DRIVE PILE WITHOUT INTERRUPTION TO THE INDICATED ELEVATION. PILES SHALL BE DRIVEN TO REFUSAL (LESS THAN 1 INCH ADVANCEMENT PER 4 BLOWS, USING A PILE DRIVER RATED AT 15,000 FT/LB. OF ENERGY OR APPROVED EQUIVALENT).

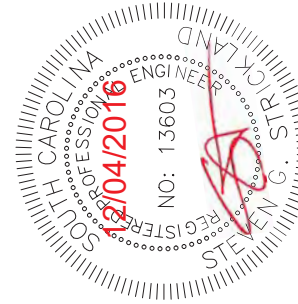
DRIVING EQUIPMENT: SELECT AND USE A PILE HAMMER OF SUFFICIENT WEIGHT AND ENERGY TO INSTALL THE SPECIFIED PILE WITHOUT DAMAGE INTO THE SOILS EXPECTED TO BE ENCOUNTERED. PLACE DRIVING HELMET, OR CAP AND CUSHION BLOCK COMBINATION CAPABLE OF PROTECTING THE HEAD OF THE PILE BETWEEN TOP OF PILES AND THE RAM TO PREVENT IMPACT DAMAGE TO PILE. IF BLOCK IS DAMAGED, SPLIT, HIGHLY COMPRESSED, CHARRED OR BURNED, OR HAS BECOME SPONGY OR DETERIORATED, REPLACE WITH NEW BLOCK. HELMET OR BLOCK SHALL UNIFORMLY TRANSMIT ENERGY TO PILE WITH A MINIMUM LOSS OF ENERGY.

SQUARE THE HEADS AND TIPS OF PILES TO DRIVING AXIS. LATERALLY SUPPORT PILES DURING DRIVING. BUT DO NOT UNDULY RESTRAIN PILES FROM ROTATION IN THE HEADS. WHERE PILE ORIENTATION IS ESSENTIAL, TAKE PRECAUTIONARY MEASURES TO MAINTAIN THE ORIENTATION DURING DRIVING. DRIVEN BATTER PILES OF SUFFICIENT UNSUPPORTED LENGTHS TO CAUSE A MEASURABLE DEFLECTION SHALL HAVE FREE ENDS SECURED UNTIL PILES ARE FIXED IN THE STRUCTURE TO PREVENT EXCESSIVE BENDING STRESSES. HANDLE, PROTECT, AND FIELD TREAT PILES IN ACCORDANCE WITH AWPA M4.



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STRUCTURAL NOTES

ADDITIONS, SUBMITTALS & REVISIONS		DESCRIPTION	DATE	BY	NO.
1					5
2					6
3					7
4					8

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