

EROSION CONTROL LEGEND

DESCRIPTION	PLAN SYMBOL
SILT FENCE	
CLEARING LIMITS	CL
LIMITS OF DISTURBANCE	LOD
SUBSURFACE DRAIN	SSD
TREE PROTECTION	
TEMPORARY SEEDING	TS
PERMANENT SEEDING	PS
SODDING	SO
RIPRAP	
OUTLET PROTECTION - RIP RAP	
SEDIMENT TRAP	
ROCK CHECK DAM	
STABILIZED CONSTRUCTION ENTRANCE	
STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC	
STORM DRAIN INLET PROTECTION - TYPE E SURFACE COURSE CURB INLET FILTER	

WATER LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN	10"W	10"W
SINGLE SERVICE LATERAL	---	---
DOUBLE SERVICE LATERAL	---	---
VALVE AND BOX		
FIRE HYDRANT W/ VALVE & BOX		
POST HYDRANT		
REDUCER		
BACKFLOW PREVENTOR		
CROSS		
TEE		
90° BEND - HORIZONTAL		
45° BEND - HORIZONTAL		
22-1/2° BEND - HORIZONTAL		
11-1/4° BEND - HORIZONTAL		
BEND - VERTICAL		
CAP		

ABBREVIATIONS

HDPE	HIGH DENSITY POLYETHYLENE	JB	JUNCTION BOX	SDMH	STORM DRAINAGE MANHOLE
BT	BOTTOM	LF	LINEAR FEET	SF	SQUARE FEET
CI	CURB INLET	MAX	MAXIMUM	SS	SANITARY SEWER
CPP	CORRUGATED PLASTIC PIPE	MIN	MINIMUM	TC	TOP OF CURB
DIP	DUCTILE IRON PIPE	MH	MANHOLE	T6	TOP OF GUTTER
EL	ELEVATION	OC	ON CENTER	TP	TOP OF PAVEMENT
FG	FINISH GRADE	PC	POINT OF CURVE	TW	TOP OF WALK
FH	FIRE HYDRANT	PH	POST HYDRANT	TYP	TYPICAL
FM	FORCE MAIN (SANITARY SEWER)	PT	POINT OF TANGENT	W	WATER
FP	FINISH PAD	PVC	POLYVINYL CHLORIDE	W/	WITH
FR	FRAME	RCP	REINFORCED CONCRETE PIPE	WV	WATER VALVE
GI	GRATE INLET	RJP	RESTRAINED JOINT PIPE	YI	YARD INLET
GV	GATE VALVE	R/W	RIGHT-OF-WAY		
INV	INVERT ELEVATION	SD	STORM DRAINAGE		

DRAINAGE LEGEND

DESCRIPTION	EXISTING	PROPOSED
PIPE	---	---
DITCH	---	---
CURB INLET		
GRATE INLET		
JUNCTION BOX		
OUTLET STRUCTURE		

SEWER LEGEND

DESCRIPTION	EXISTING	PROPOSED
GRAVITY PIPE	SS	---
SINGLE SERVICE LATERAL	---	---
DOUBLE SERVICE LATERAL	---	---
MANHOLE		
CLEANOUT		
FORCEMAIN	10"FM	10"FM
VALVE AND BOX		
FLUSH HYDRANT		
REDUCER		
BACKFLOW PREVENTOR		
CROSS		
TEE		
90° BEND - HORIZONTAL		
45° BEND - HORIZONTAL		
22-1/2° BEND - HORIZONTAL		
11-1/4° BEND - HORIZONTAL		
BEND - VERTICAL		
PLUG \ CAP		

OTHER UTILITIES LEGEND

DESCRIPTION	EXISTING
NATURAL GAS	UGG
TELEPHONE	CHT
UNDERGROUND TELEPHONE	UTL
ELECTRICITY	CHP
UNDERGROUND ELECTRICITY	UGP

INDEX

SCALE: 1" = 200'

GENERAL NOTES

- ALL TOPOGRAPHIC INFORMATION IS BASED ON SURVEY FIELD DATA PROVIDED BY THOMAS AND HUTTON. ELEVATIONS ARE BASED UPON NGVD 29 VERTICAL DATUM. THE HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM EAST ZONE NAD 83. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS VARY FROM EXISTING GROUND ELEVATIONS DISPLAYED. VERIFY CHANGES IN ELEVATIONS RESULTING FROM CONTRACTOR CLEARING AND STRIPPING.
- CONTRACTOR SHALL VERIFY ACCURACY OF TEMPORARY BENCHMARKS PRIOR TO USING THEM FOR CONSTRUCTION. EXISTING UNDERGROUND UTILITIES SHOWN IN THESE PLANS ARE BASED ON AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH SUPPLEMENTAL CONTROL WITHIN THE PROJECT AS NEEDED. SEE SURVEY CONTROL PLAN FOR BENCHMARKS ASSOCIATED WITH THIS PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION. IF UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE STEPS TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION. CONTRACTOR SHALL REFER TO THE LIMITED GEOTECHNICAL EXPLORATION REPORT PREPARED BY SBME, INC. ON NOV. 16, 2017, AND ANY SUBSEQUENT ADDENDUMS OR REVISIONS FOR GUIDANCE THROUGHOUT CONSTRUCTION. CONTACT ENGINEER TO OBTAIN A COPY OF THIS EVALUATION PRIOR TO BEGINNING WORK.
- WHEN FIELD INSPECTIONS ARE REQUIRED, CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER AND THE PROJECT ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE SUCH INSPECTIONS.
- CONTRACTOR SHALL GRADE ALL AREAS SUCH THAT WATER DRAINS TO THE APPROPRIATE RIGHT-OF-WAY, EASEMENT, OR WETLAND PRIOR TO FINAL APPROVAL.
- NEW PAVEMENT SHALL BE FLUSH WITH EDGE OF EXISTING PAVEMENT. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS" CURRENT EDITION.
- ALL COMMON AREAS, AND OPEN SPACES SHALL BE OWNED AND MAINTAINED BY PAVILION DEVELOPMENT COMPANY.
- ALL ROADWAYS AND RIGHT OF WAYS SHALL BE PRIVATELY OWNED AND MAINTAINED BY PAVILION DEVELOPMENT COMPANY.
- ALL WATER AND SEWER TIE-INS SHALL BE COORDINATED WITH BERKELEY COUNTY WATER & SANITATION.
- ROOF DRAINAGE AND WATER AND SEWER LATERALS ARE PROPOSED ADJACENT TO THE BUILDING FOOTPRINT. CONTRACTOR SHALL NOT POUR CONCRETE SIDEWALK OR OTHER SURFACE ABOVE THESE UTILITIES UNTIL PROPER CONNECTIONS TO THE BUILDING HAVE BEEN MADE. CONNECTIONS TO DRAINAGE, WATER, SEWER, OR OTHER UTILITIES SHALL BE COORDINATED WITH BUILDING CONTRACTOR PRIOR TO FINAL GRADING AND STABILIZATION.
- ANY DAMAGE TO EXISTING PAVEMENT, SIDEWALK, LANDSCAPING, ACCESS ROADS, AND/OR DRIVEWAYS MUST BE REPAIRED AT CONTRACTORS EXPENSE. REPAIRS MADE SHALL BE TO THE SATISFACTION OF THE PROPERTY OWNER(S) EFFECTED BY DAMAGE OR BERKELEY COUNTY ENGINEERING AS APPLICABLE.

ADA NOTES

- ACCESSIBLE ROUTE - EXTERIOR:
 - MINIMUM CLEAR WIDTH IS 3'. IF ACCESSIBLE ROUTE HAS LESS THAN 3' CLEAR WIDTH, THEN PASSING SPACES AT LEAST 5'X5' SHALL BE LOCATED EVERY 200' OR LESS. INTERSECTING SIDEWALKS MEET THIS REQUIREMENT. LONGITUDINAL (RUNNING) SLOPE MAY NOT EXCEED 5% UNLESS RAMP IS INSTALLED (RAMPS MAY NOT EXCEED 8.33%). CROSS SLOPE MAY NOT EXCEED 2% IN ANY DIRECTION.
- FINISHED SURFACE HEIGHT DIFFERENCE REQUIREMENTS:
 - A. 0 TO 1/4" REQUIREMENTS
 - B. 1/4" TO 1/2" LEVEL WITH 2% SLOPE
 - C. LARGER THAN 1/2": CONFIRM TO REQUIREMENTS FOR RAMP
- RAMPS:
 - MAX RAMP SLOPE 8.33%
 - IF RAMP STEEPER THAN 8.33% ARE NOT ACCEPTABLE.
 - MAX RISE FOR ANY RAMP RUN IS 30" (AT 8.33% SLOPE, MAXIMUM RUN OF RAMP IS 30').
 - MAX CROSS SLOPE OF RAMP 2% (LSO)
- LANDINGS:
 - RAMPS SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH RAMP.
 - LANDING SHALL BE AT LEAST AS WIDE AS RAMP LEADING TO IT.
 - PROVIDE MINIMUM 12" LONG HANDRAIL EXTENSIONS AT TOP AND BOTTOM LANDINGS.
 - PROVIDE MINIMUM 2" HIGH EDGE PROTECTION OR RAIL WITH LESS THAN 4" CLEAR TO RAMP IF RAMP HAS DROP-OFFS.
 - ROUTES BETWEEN BUILDINGS WITH ONLY DWELLING UNITS DO NOT HAVE TO HAVE HANDRAILS.
 - STAIRS NOT ALLOWED AS PART OF ACCESSIBLE ROUTE BUT IF ADJACENT TO ROUTE OR PART OF TENANT SPACE MUST MEET REQUIREMENTS FOR STAIR RAILS.
- CURB RAMPS:
 - MAX SLOPE OF CURB RAMP 8.33%
 - MAX SLOPE OF SIDE FLARES 10%
 - MAX SLOPE OF ADJOINING GUTTERS, ROAD SURFACE, OR ACCESSIBLE ROUTE 5%
 - MIN WIDTH 36" (NOT INCLUDING SIDE FLARES)
 - DETECTABLE WARNING IS REQUIRED ON CURB RAMPS IN PUBLIC RIGHTS OF WAY, AND SHALL BE 24" MINIMUM IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" TO 8" FROM THE CURB LINE.
- PAVEMENT MARKINGS:
 - AS REQUIRED BY LOCAL JURISDICTIONAL AUTHORITY (RECOMMENDED CROSSWALK MARKING TO DESIGNATE ACCESSIBLE PEDESTRIAN ROUTE)
- PARKING SPACES:
 - MINIMUM 8' WIDE ACCESSIBLE PARKING SPACE
 - MINIMUM 5' WIDE ACCESS ARSLE AT STANDARD SPACES
 - MINIMUM 8' WIDE ACCESS ARSLE AT VAN ACCESSIBLE SPACES
 - MAXIMUM 2% (LSO) SLOPE IN ANY DIRECTION
- SIGNAGE:
 - ACCESSIBLE PARKING SPACES SHALL BE DESIGNATED AS RESERVED BY A SIGN SHOWING THE SYMBOL OF ACCESSIBILITY. VAN ACCESSIBLE SPACES SHALL HAVE AN ADDITIONAL SIGN "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL. SUCH SIGNS SHALL BE LOCATED SO THEY CANNOT BE OBTURED BY A VEHICLE PARKED IN THE SPACE (60" ABOVE GRADE UNLESS OTHER HEIGHT REQUIRED BY LOCAL JURISDICTION).
- ACCESSIBLE ROUTES:
 - MUST COMPLY WITH ADA, THE FAIR HOUSING ACT AND ICC/ANSI A117.1-2003.
- PRE-EXISTING CONDITIONS:
 - EXISTING STRUCTURES, FEATURES AND COMPONENTS PREVIOUSLY CONSTRUCTED AND OUTSIDE THE SCOPE OF THIS PROJECT ARE PRESENT WITHIN THE BERKELEY COUNTY RIGHT-OF-WAY. MODIFICATIONS TO EXISTING ITEMS OTHER THAN AS SHOWN ON PLANS ARE NOT PROPOSED. PROPOSED CONSTRUCTION IS INTENDED TO MEET THE REQUIREMENTS LISTED ABOVE.



NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
 682 Johnnie Dodds Blvd. • Suite 100
 Mt. Pleasant, SC 29464 • 843.849.0200
 www.thomasandhutton.com

PAVILION DEVELOPMENT COMPANY
 BERKELEY COUNTY, SOUTH CAROLINA
 FIRESTONE SITE DEVELOPMENT
 GENERAL NOTES AND LEGEND

JOB NO:	J-23390.8120
DATE:	10/04/19
DRAWN:	JGA
DESIGNED:	CAE
REVIEWED:	SCG
APPROVED:	SCG
SCALE:	1" = 1'

G1.1

PERMIT SET - FOR REVIEW PURPOSES ONLY