



INDEX OF UTILITY SHEETS

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ED, RD, DIV. NO.	STATE	COUNTY	FILE NO.	NO.	SHEET NO.
3	S.C.				

UTILITY TYPE

OWNER NAME
MAILING ADDRESS
CITY, STATE ZIP
CONTACT NAME
PHONE

UTILITY TYPE / QUANTITIES
UTILITY TYPE / QUANTITIES

OWNER NAME

OWNER NAME
MAILING ADDRESS
CITY, STATE ZIP
CONTACT NAME
PHONE

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CITY, STATE ZIP
CONTACT NAME
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UTILITY TYPE / QUANTITIES
UTILITY TYPE / QUANTITIES

NOTE: ALL WORKMANSHIP ON THIS PROJECT
IS TO CONFIRM WITH SCDOT STANDARD
SPECIFICATIONS FOR HIGHWAY CONSTRUCTION
(LATEST EDITION), AND BOOK OF STANDARD
DRAWINGS FOR ROAD CONSTRUCTION
(LATEST PUBLISHED ENGLISH REVISION)

DAYS BEFORE DIGGING
IN SOUTH CAROLINA

CALL 1-800-922-0983
PALMETTO UTILITY
PROTECTION SERVICE

APPROXIMATE LOCATION OF ROADWAY

LONGITUDE: -XXX° XX' XX.XX"

ATTITUDE : $YY^0 \quad YY^I \quad YY.YY^{II}$

SUBSURFACE UTILITY ENGINEERING FIRM

UBSURFACE UTILITY ENGINEERING FIRM
PROJECT ENGINEER

SIGNATURE

ATE

CERTIFICATION STATEMENT:

THESE PLANS WERE PREPARED AND CERTIFIED BY THE CONSULTANT FOR COMPLETENESS. NO REVIEWS OR SIGNATURES BY THE SCDOT ARE REQUIRED.

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FED. RD. DIST. NO.	STATE	COUNTY	FILE NO.	ROAD	ROUTE NO.	SHEET NO.
3	S.C.	NA	NA	NA	NA	

SUE LEGEND AND NOTES

ELECTRIC SYMBOLS			TELECOMMUNICATION SYMBOLS			UTILITY INFORMATION ABBERVERIATIONS			UTILITY UNIQUE IDENTIFIER LINE-STYLES			QUALITY LEVEL DEFINITIONS													
SYM	ABV	DESCRIPTION	SYM	ABV	DESCRIPTION																				
	ETM	ELECTRICAL TRANSFORMER		TB	TELEPHONE BOOTH	EOR		END OF INFORMATION		E1 THRU E10		Level D. This level information comes solely from existing utility records. It may provide an overall "feel" for the congestion of utilities, but it is often highly limited in terms of comprehensiveness and accuracy. Its usefulness should be confined to project planning and route selection activities.													
	EMH	ELECTRICAL MAN HOLE		TVP	CABLE TV PEDESTAL	EORI		END OF RECORDED INFORMATION		E1 THRU E10															
	EHH	ELECTRICAL HAND HOLE		TLC	SUBSCRIBER LOOP CARRIER (aka SLICK)	AATUR		UTILITY ABANDONED ACCORDING TO UTILITY RECORDS		TF1 THRU TF5		Level C. This level involves surveying visible aboveground utility facilities (e.g., manholes, valve boxes, posts) and correlating this information with existing utility records. When using this information, it is not unusual to find that many underground utilities have been either omitted or erroneously plotted. Its usefulness, therefore, should be confined to rural projects where utilities are not prevalent, or are not too expensive to repair or relocate.													
	EPP	ELECTRIC PEDESTAL		TPP	TELEPHONE PEDESTAL	AATFI		UTILITY ABANDONED ACCORDING TO FIELD INSPECTION		TF1 THRU TF5															
	EBX	ELECTRIC BOX		TMH	TELEPHONE MAN HOLE	EATUR		EMPTY ACCORDING TO UTILITY RECORDS		T1 THRU T10		Level B. This level involves the use of surface geophysical techniques to determine the existence and horizontal position of underground utilities. This activity is called "designating." Two-dimensional mapping information is obtained. This information is usually sufficient to accomplish preliminary engineering goals. Decisions can be made on where to place storm drainage systems, footers, foundations and other design features in order to avoid conflicts with existing utilities. Slight adjustments in the design can produce substantial cost savings by eliminating utility relocations.													
	ESG	ELECTRIC SWITCH GEAR BOX		TFOH	FIBER OPTIC HAND HOLE	NAP		NO ASSOCIATED PIPING FOUND FROM STRUCTURE		T1 THRU T10															
	EVT	ELECTRIC VAULT		THH	TELEPHONE HAND HOLE	NAC		NO ASSOCIATED CABLES FOUND FROM STRUCTURE		TV1 THRU TV10		Level A. This level involves the use of nondestructive digging equipment at critical points to determine the precise horizontal and vertical position of underground utilities, as well as the type, size, condition, material and other characteristics. This activity is called "locating." It is the highest level presently available. When surveyed and mapped, precise plan and profile information are available for use in making final design decisions. By knowing exactly where a utility is positioned in three dimensions, the designer can often make small adjustments in elevations or horizontal locations and avoid the need to relocate utilities. Additional information (e.g., utility materials, condition, size, soil contamination, paving thickness) also assists the designer and Utility Company in their decisions.													
	EGL	GROUND / LANDSCAPE LIGHT		TVHH	CABLE TV HAND HOLE	DBR		DIRECT BURIED		TV1 THRU TV10															
	EAB	ELECTRIC AIR BRAKE		TBX	TELEPHONE BOX	DATFI		DEPICTED ACCORDING TO FIELD INSPECTION		I1 THRU I5		U SHEET - UTILITY COORDINATION LEGEND													
	ERO	ELECTRIC RESIDENTAL OUTLET		TXB	SPLICE BOX	EATFI		EMPTY ACCORDING TO FIELD INSPECTION		I1 THRU I5															
POLE SYMBOLS			MATERIAL ABBREVIATIONS			GENERAL ABBREVIATIONS			U SHEET PLAN NOTES			REMOVED UTILITIES													
SYM	ABV	DESCRIPTION																							
	PSP	SIGNIFICANT POLE (STEEL, CONCRETE, ETC)		TRP	TELEPHONE REPEATER	C		COPPER		NEW / RELOCATED UTILITY POLE		T1 THRU T10	TELEPHONE												
	PP	ELECTRIC, COMBINATION POLE		TVB	CABLE TV BOX	DI		DUCTILE IRON		REMOVE UTILITY POLE		TV1 THRU TV10	CABLE TV												
	PMP	METER POLE		TUV	UNDERGROUND TELEPHONE VAULT	S		STEEL		NEW / RELOCATE WATER STRUCTURE		E1 THRU E10	ELECTRIC												
	PLT	TRANSMISSION LINE POLE		UTP	UNDERGROUND TELEPHONE PEDESTAL	P		PLASTIC		NEW / RELOCATE TELECOMMUNICATION PEDESTAL		TF1 THRU TF5	TRAFFIC CONTROL												
	PLP	AREA LIGHT POLE		UTV	UNDERGROUND CABLE TV PEDESTAL	FO		FIBER OPTIC		NEW / RELOCATE GAS STRUTURE		W1 THRU W10	WATER												
	PTF	TRAFFIC SIGNAL POLE	WATER SYMBOLS			CI		CAST IRON		NEW / RELOCATE ELECTRIC STRUCTURE		G1 THRU G10	GAS												
	POP	OTHER USE POLE		WM	WATER METER	S		STEEL		NEW / RELOCATE SEWER STRUCTURE		FS1 THRU FS10	FORCED SEWER												
	PCT	CELL PHONE TOWER		WV	WATER VALVE	CO		CONCRETE		NEW / RELOCATE TRAFFIC STRUCTURE		F1 THRU F5	FUEL / PETROLEUM												
	PTP	TELEPHONE POLE		WFW	WATER MONITORING WELL	PV		PVC		NEW / RELOCATE MISC STRUCTURE		OH1 THRU OH20	AERIAL UTILITIES												
	PGP	GUY POLE		WVF	WATER VALVE BOX	VY		NYLON				DB1 THRU DB5	DUCT BANK												
TRAFFIC CONTROL SYMBOLS				WFC	FIRE DEPARTMENT CONNECTION	TC		TERRA COTTA				M1 THRU M5	MISCELLANEOUS												
	TFV	TRAFFIC SIGNAL CONTROL VAULT		WVW	WATER WIRE	SWC		STEEL WRAPPED COATED	U SHEET LINEWORK WILL BE USED WHEN UTILITY RELOCATION PLANS ARE INCLUDED IN THE PLAN SET.			ALL U SHEET UUI LINES WILL BE DETAILED ON THE U SHEET DATA SHEET.													
	TFHH	TRAFFIC CONTROL HAND HOLE		WBP	WATER BACKFLOW PREVENTER	AC		ASBESTOS CEMENT																	
	TFJ	TRAFFIC SIGNAL JUNCTION BOX		WBO	WATER BLOW OFF VALVE	T		TRAFFIC SIGNAL CEMENT	"MISCELLANEOUS" UUI U SHEET LINEWORK CAN BE USED FOR ANY UTILITY NOT REPRESENTED WITH A RELOCATION UUI.			ON U SHEETS, EXISTING UTILITIES ARE DEPICTED ON A GREYSCALE.													
GAS SYMBOLS				WWH	WELL HOUSE	GW		GUY WIRE																	
	GM	GAS METER		WVP	POST INDICATOR VALVE	CNT		CONDUIT	PROJECT NOTES																
	GVC	GAS VALVE CAP	SEWER SYMBOLS			SEWER MANHOLE NUMBERS (SMN)																			
	GMH	GAS MAN HOLE		SCO	SEWER CLEAN OUT	S001		SANITARY SEWER MANHOLE	SURFACE DESCRIPTION LEGEND KEY																
	GVT	GAS VENT		SMH	SEWER MAN HOLE	GENERAL NOTES																			
	GR	GAS PRESSURE REGULATOR		SAR	SEWER AIR RELEASE VALVE	E		ELECTRIC (POWER)	SOIL COMBINATION CHART																
	GTP	GAS LINE TEST POINT		SST	SEWER STEP TANK	W		UNDERGROUND WATER																	
	GTF	GAS LINE TAP FARM		SCV	SEWER CHECK VALVE BOX	G		UNDERGROUND GAS	SURFACE DESCRIPTION LEGEND KEY																
MISC SYMBOLS				SGP	SEWER GRINDER / PUMP STATION	PUPS		PALMETTO UTILITY PROTECTION SERVICES																	
	MWP	UTILITY WITNESS POST		SSV	SEWER VALVE	T		TELEPHONE, TELECOMMUNICATION	SOIL DESCRIPTION LEGEND KEY																
	EOI	END OF INFORMATION		SLS	SEWER LIFT STATION	TV, C		CABLE TELEVISION																	
	MUC	MISC / UNKNOWN VALVE CAP OR COVER	NONPOTTABLE WATER SYMBOLS			FO		FIBER OPTIC	COMPACTATION																
	MPB	PAVED OR BURIED MANHOLE / CAP		ICV	IRRIGATION CONTROL VALVE	S		SANITARY SEWER																	
	MUE	UTILITY TERMINI / ENDS		ICB	IRRIGATION CONTROL BOX	FS		FORCED SANITARY SEWER, FORCE MAIN	WATER LEVEL																
	MTH	TEST HOLE		IRH	IRRIGATION / SPRINKLER HEAD	DB		DUCT BANK																	
COMBINATION LINE DEPICTION CODES			DUCT BANK DIAGRAM			CA		GASES MATERIAL	SOIL TYPE																
SHOW COMBINED LEVEL C & D SUE WILL INCLUDE THE FOLLOWING LEVEL QUALITY CODES:				UNIQUE UTILITY IDENTIFIER (UUI) OWNER REF. ABBREVIATION No. OF CONDUITS		GENERAL NOTES																			
LINE SHOWN DEPICTS QUALITY LEVEL C <C>			PLACE DUCT BANK DIAGRAM ON THE UTILITY & POLE DATA SHEET BELOW THE UTILITY & POLE DATA CHART. NOTE THE UUI OF THE DUCT BANK ON THE DIAGRAM. DEPICT THE CORRECT NUMBER OF CONDUITS IN THE DUCT AND THE USAGE OF EACH. MARK EMPTIES (IF KNOWN) WITH OWNER REFERENCE ABBREVIATION AND "MT".			-GRAVITY SANITARY SEWER LINES ARE SHOWN AS LEVEL 'C'. -AERIAL UTILITY LINES ARE CONSIDERED AS LEVEL 'C'. -UTILITY OWNER INFORMATION SHOWN ON UTILITY TITLE SHEET. -DETAILED INFORMATION SHOWN ON UTILITY & POLE DATA SHEETS. -UTILITY POLE DATA INFORMATION SHOWN ON UTILITY & POLE DATA SHEETS. -TEST HOLE SHOWN ON UTILITY PLAN SHEETS AND DETAILED ON TEST HOLE REFERENCE SHEETS. -HORIZONTAL AND VERTICAL REFERENCED TO PROJECT CONTROL FOUND ON REFERENCE SHEET. -SERVICES LINES WERE DESIGNATED TO THE SWEEP LIMITS OR DISTRIBUTION POINT. -ALL SUBSURFACE UTILITY WORK WAS PERFORMED USING THE ASCE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA C/ASCE 38-02	UTILITY POLE ID NUMBER (UPIN)																		
LINE SHOWN DEPICTS QUALITY LEVEL D <D>			UTILITY INFORMATION TAGS (UIT)			DESIGNATE EACH SANITARY SEWER MANHOLE WITH A SEWER MANHOLE NUMBER (SMN). REFERENCE THIS SMN ON THE UTILITY DATA SHEET AND LIST ELEVATIONS.																			
MULTIPLE SUE OWNERS CAN BE DEPICTED OWNERSHIP WITH THE FOLLOWING CODES:			WHEN UTILITY APPURTENANCES NEED DESCRIBING, PLACE A UIT NEXT TO THE CELL OR OUTLINED AREA. PLACE THE INFORMATION ON THE UTILITY DATA SHEET. DESIGNATE THE UTILITY BY THE OWNER NUMBER AND "T001" CODE IN THE "UTILITY" COLUMN. (IE - T2 T001).			TAG EACH UTILITY POLE WITH A UTILITY POLE ID NUMBER (UPIN) STARTING AT THE BEGINNING STATION. REFERENCE UPIN ON THE UTILITY & POLE DATA SHEET WITH APPROPRIATE INFORMATION.			POLE NUMBER																
(A) UTILITY OWNER "X"															P001			OH3							
(B) UTILITY OWNER "Y"									P002																
UTILITY LINES THAT REQUIRE MORE DETAILED INFORMATION ON THE PLAN SHEET CAN BE LABELED WITH THE SUPPLIMENTAL UTILITY LINE LABEL (SUL):																									
OWNERSHIP CODES WILL REFERENCED ON THE TITLE/OWNER SHEET AND THE UTILITY & POLE DATA SHEET.																									
												SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, SC													
												SUBSURFACE UTILITY ENGINEERING LEGEND & NOTES													
												SCDOT South Carolina Department of Transportation													

UTILITY DATA

POLE DATA

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	NO.	SHEET NO.
3	S.C.				

[illegible]

UTILITY & POLE DATA TABLE DESCRIPTION								
COLUMN	DESCRIPTION	EXAMPLE	COLUMN	DESCRIPTION	EXAMPLE	COLUMN	DESCRIPTION	EXAMPLE
UTILITY	a) Reference the Utility Unique Identifier (UUI)	E1, G1, OH15	STATION RANGE	a) Reference the station of the begin & end of linear utility	01+23 - 45+67	OWNERSHIP	Reference utility owner by name or by Owner Ref Abbr From Title Sheet	LOCAL POWER CO LPC
	b) Reference Sewer Manhole Number (SMN)	S001, SMH-02		b) Reference the station location of utility appurtenance	01+23			
	c) Reference Utility Information Tags (UIT)	U001, U05		c) Reference the station location of mahole	01+23			
POLE	Reference the Utility Pole ID Number	P001, P25	OFFSET	a) Reference the offset of the begin & end of linear utility	15R - 15R	POLE DATA	Reference Owner Number, Height, Diameter, and Material of pole	DPC123.35', 12", WOOD
ALIGNMENT ROUTE	Reference the Alignment used for stationing Use design alignments when available	MAIN ST. MAIN ST RELOC	RANGE	b) Reference the offset location of utility appurtenance c) Reference the offset location of manhole	25L 25L			
	RD		~All geometric data used will be referenced to the project datum~	ITEM IN PLACE	a) Reference utility type, size, & material b) Reference the utility appurtenance type c) Reference manhole			

REV. NO.

BY

DATE

DESCRIPTION OF REVISION

4

3

2

1

1

1

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ROAD DESIGN
COLUMBIA, S.C.

UTILITY AND POLE DATA SHEET

SCALE 1" = RTE. DWG. NO. PN1

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UTILITY DATA

POLE DATA					
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	NO.	SHEET NO.
3	S.C.				

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	NO.	SHEET NO.
3	S.C.				

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UTILITY & POLE DATA TABLE DESCRIPTION									
COLUMN	DESCRIPTION	EXAMPLE	COLUMN	DESCRIPTION	EXAMPLE	COLUMN	DESCRIPTION	EXAMPLE	
UTILITY	a) Reference the Utility Unique Identifier (UUI)	E1, G1, OH15	STATION RANGE	a) Reference the station of the begin & end of linear utility	01+23 - 45+67	OWNERSHIP	Reference utility owner by name or by Owner Ref Abbr From Title Sheet	LOCAL POWER CO LPC	
	b) Reference Sewer Manhole Number (SMN)	S001, SMH-02		b) Reference the station location of utility appurtenance	01+23				
	c) Reference Utility Information Tags (UIT)	U001, U05		c) Reference the station location of mahole	01+23				
POLE	Reference the Utility Pole ID Number	P001, P25	OFFSET	a) Reference the offset of the begin & end of linear utility	15R - 15R	POLE DATA	Reference Owner Number, Height, Diameter, and Material of pole	DPC123, 35', 12", WOOD	
ALIGNMENT ROUTE	Reference the Alignment used for stationing Use design alignments when available	MAIN ST. MAIN ST RELOC	RANGE	b) Reference the offset location of utility appurtenance c) Reference the offset location of manhole	25L 25L				
	RD		~All geometric data used will be referenced to the project datum~	ITEM IN PLACE	a) Reference utility type, size, & material b) Reference the utility appurtenance type c) Reference manhole				TELEPHONE, COPPER / GAS 6" DI U/G PEDESTAL SEWER MH

REV. NO.	BY	DATE	DESCRIPTION OF REVISION	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, S.C.
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2				UTILITY AND POLE DATA SHEET
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1				SCALE 1"= RTE. DWG. NO. PN1

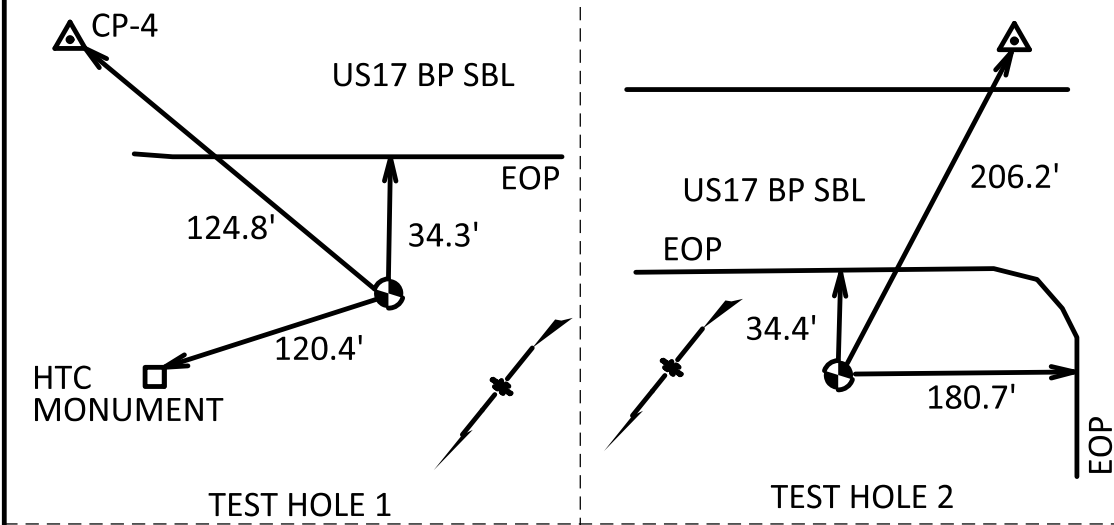
TEST HOLE DATA *

TEST HOLE No.	TYPE OF UTILITY	UTILITY OWNER	UTILITY MATERIAL	SIZE OR CAPACITY	UTILITY CONDITION	RECORD MATCH	SURFACE TYPE*	PAVEMENT THICKNESS	SOIL TYPE**	REFERENCE MARKER	REFERENCE BENCHMARK	GRADE ELEVATION	TOP OF UTIL. ELEV.	BOTTOM OF UTIL. ELEV.	APX CL BEARING	PROJECT LOCATION DATA					MISC NOTES
																ALIGNMENT	STATION	OFFSET	NORTHING	EASTING	
1	TFO	BTI	P CNT	3 X 2"	GOOD	NO	NG	N/A	S-M-C	HUB		12.26'	8.21'			US17	478+27.4	123.53 RT	686132.27	2628141	TEST HOLE REEALVED 3 STACKED 2" TELEPHONE (BTI) FIBER OPTIC CONDUITS
2	TFO	BTI	P CNT	3 X 2"	GOOD	NO	NG	N/A	S-M-C	HUB		12.68'	7.61'			US17	480+61.36	118.93	685981.95	2627961.68	"
3	W		SEE NOTE	SEE NOTE	SEE NOTE	N/A	NG	N/A	S-M-C	HUB		15.85'	4.77'			US17	483+02.94	87.27 LT	685669.83	2627902.86	UNABLE TO OBTAIN SIZE AND MATERIAL TYPE DUE TO DEPTH, GROUND WATER AND SOIL CONDITIONS. PIPE APPEARS LARGER THAN 24". POSSIBLE CASING FOR WATER. AIR LANCE PROBE AT 7 LOCATIONS (SEE DETAIL BELOW) REVEALED SHAPE (ROUND) AND THE SE & NW SPRINGLINES OF PIPE.
																					TEST HOLE REEALVED 3 STACKED 2" TELEPHONE (BTI) FIBER OPTIC CONDUITS
4	TFO	BTI	P CNT	3 X 2"	GOOD	NO	NG	N/A	S-M-SC	HUB		16.61'	11.87'			US17	486+04.98	57.00 LT	685503.97	2627648.62	
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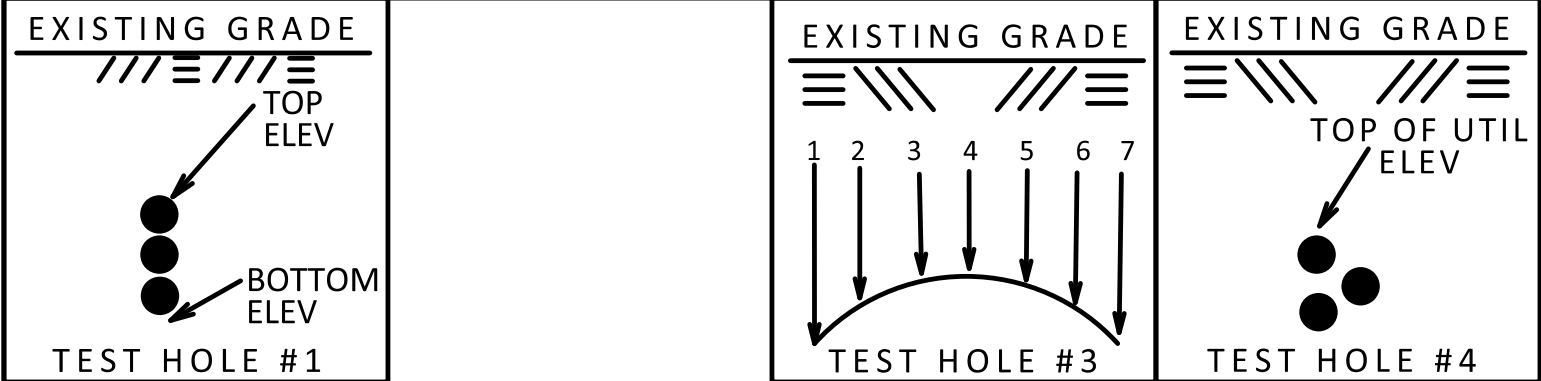
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, S.C.	
4				TEST HOLE DATA SHEET	
3					
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				SCALE 1"=	DWG.NO. PN1

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TEST HOLE LOCATION TIE SKETCHS



TEST HOLE CROSS-SECTION SKETCHS



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\$\$\$\$\$part\$\$\$\$\$filename\$\$\$\$\$
\$\$\$\$\$date\$\$\$

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	NO.	SHEET NO.
2	S.C.				

REV. NO.	BY	DATE	DESCRIPTION OF REVISION	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD DESIGN COLUMBIA, S.C.
4				
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1				TEST HOLE DATA SHEET 2 of 2
				SCALE 1"= RTE. DWG.NO. PN1

