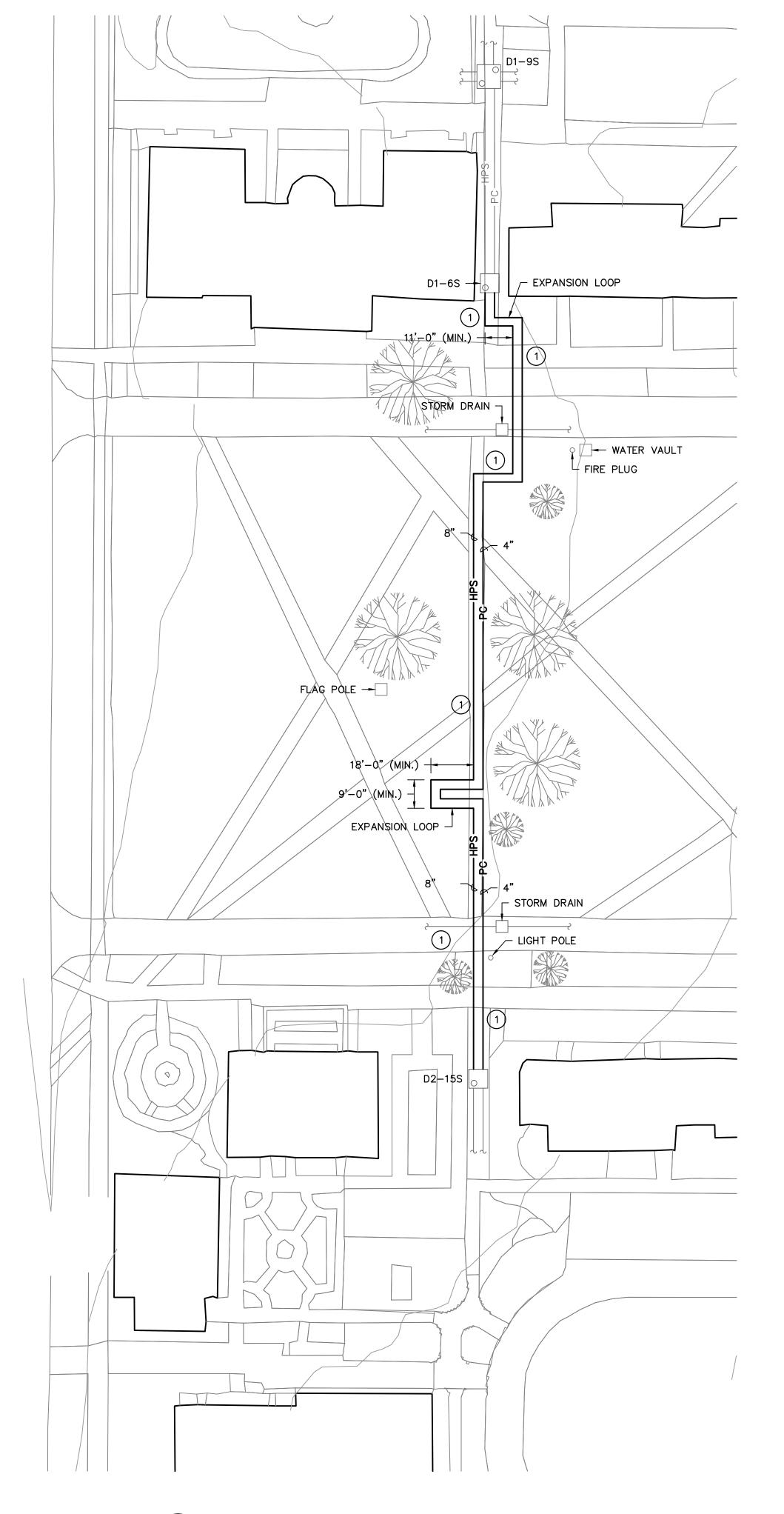
STEAM AND CONDENSATE UTILITY REPLACEMENT

PROJECT NUMBER H27-Z365
COLUMBIA, SC
CONSTRUCTION DOCUMENTS

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		_	Swygert						T-	1	
		Post Offi	gert & Assoc., Ltd ce Box 11686 S.C. 29211	d. Telephone Facsimile: mail@swyg	: (803) 791-93((803) 791-083 gert-associates.c	00 0 om	SHEI	et i	OF N SE'	Г:	
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NOTES TO SHEET

BRICK PAVER WORK WILL BE PERFORMED BY OTHERS. SEE BACKFILL DETAILS AT PAVERS FOR BACKFILL REQUIREMENTS TO BE PERFORMED BY THIS CONTRACTOR.

CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208

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UTILIT STEAM AND CONDENSATE REPLACEMENT PROJECT NUMBER H27-Z

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OF

DBA Swygert & Assoc., Ltd.
Post Office Box 11686
Columbia, S.C. 29211

Telephone: (803) 791-9300
Facsimile: (803) 791-0830
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Swygert & Associates

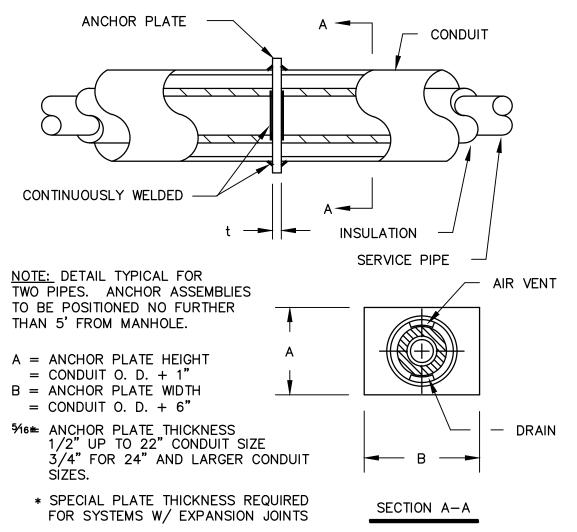
CONSULTING ENGINEERS

SWYGERT AND ASSOCIATES, LTD. NO. C00227









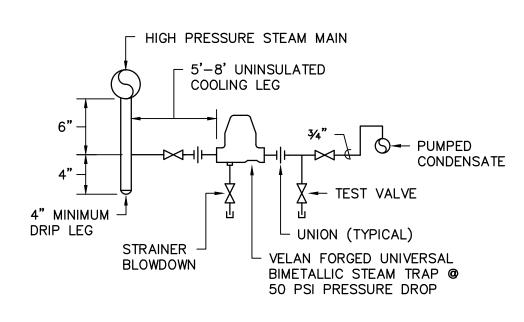
NOTE: A CONCRETE BLOCK SHALL BE CAST OVER THE PLATE AND CONDUIT AND SHALL BE AT LEAST 30" IN LENGTH AND SHALL EXTEND A MINIMUM OF 9" BEYOND THE TOP AND BOTTOM OF ANCHOR PLATE.

PROVIDE LINK SEAL HIGH -TEMPERATURE SYSTEM OR EQUAL TO SEAL OPENING WATER TIGHT FOAMGLASS INSULATION INSULATE UTILITY PIPE -INSIDE PER SPECS PITTWRAP JACKETING ON UNDERGROUND PIPING

UTILITY PIPE ENTRY DETAIL NO SCALE

- CORE DRILL WALL OPENING

LEGEND DESCRIPTION SYMBOL **----HPS**-------- NEW HIGH PRESSURE STEAM LINE **←**—PC—— NEW PUMPED CONDENSATE LINE EXISTING PIPE TO BE REMOVED OR ABANDONED ۶----*-*EXISTING PUMPED CONDENSATE LINE EXISTING HIGH PRESSURE STEAM LINE → HPS — → EXISTING GRAVITY CONDENSATE LINE EXISTING CHILLED WATER RETURN LINE CR —— EXISTING CHILLED WATER SUPPLY LINE EXISTING HIGH VOLTAGE ELECTRICAL LINE EXISTING COMMUNICATIONS LINE EXISTING ELECTRICAL AND COMMUNICATIONS PRIMARY DUCT EXISTING SANITARY SEWER LINE EXISTING HIGH PRESSURE GAS LINE ____ LG _____ EXISTING LOW PRESSURE GAS LINE EXISTING STORM DRAIN LINE -VELAN GATE VALVE, SEE SPECS CONNECTION POINT OF NEW TO EXISTING



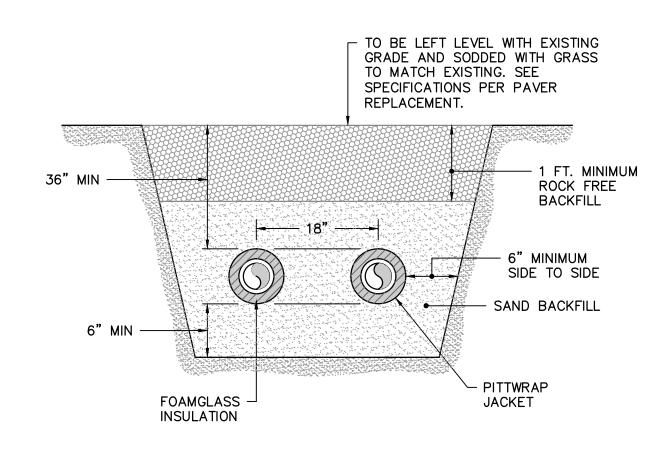
HIGH PRESSURE DRIP POINT

NO SCALE

ENGRAVED BRICK PAVERS

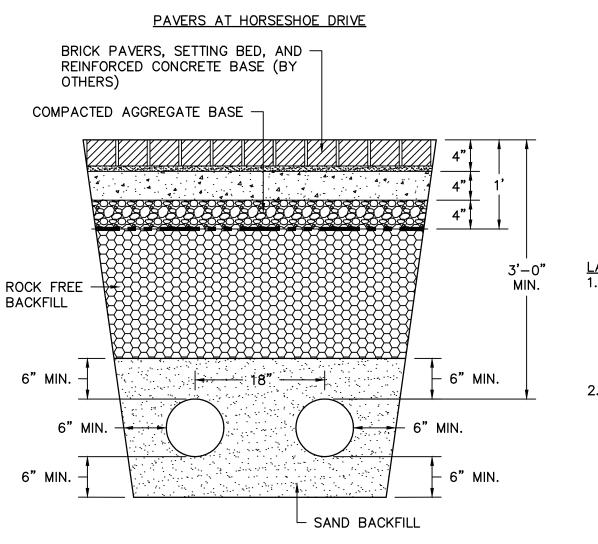
STANDARD ANCHOR ASSEMBLY

NO SCALE



BACKFILL DETAIL

NO SCALE



LANDSCAPE NOTES: 1. WHERE TRENCHED AREA IS TO BE RESTORED TO TURF, PROVIDE MIN. 6" SCREENED TOPSOIL TO FINISH GRADE. PROTECT AREA FROM FURTHER COMPACTION PRIOR TO TURF PLACEMENT. 2. CONTRACTOR SHALL NOTIFY USC ARBORIST TO BE PRESENT DURING EXCAVATION IN THE VICINITY OF TREE ROOTS. CONTRACTOR SHALL NOT RIP, TEAR, OR OTHERWISE DAMAGE TREE ROOTS. USC ARBORIST TO PROVIDE CLEAN CUTS FOR ANY EXPOSED ROOTS OVER 2" DIA.

BRICK PAVERS, MORTAR BED, AND BRICK PAVERS AND SETTING -CONCRETE SLAB (BY OTHERS) BED (BY OTHERS) COMPACTED AGGREGATE BASE -COMPACTED AGGREGATE BASE ∟ 2" ROCK FREE BACKFILL - 6" MIN. 6" MIN. 6" MIN. SAND BACKFILL

MORTARED BRICK PAVERS

WORK AREA SCREENING AND TREE PROTECTION FENCE PANEL DETAIL

NO SCALE

SWYGERT AND ASSOCIATES, LTD. NO. C00227

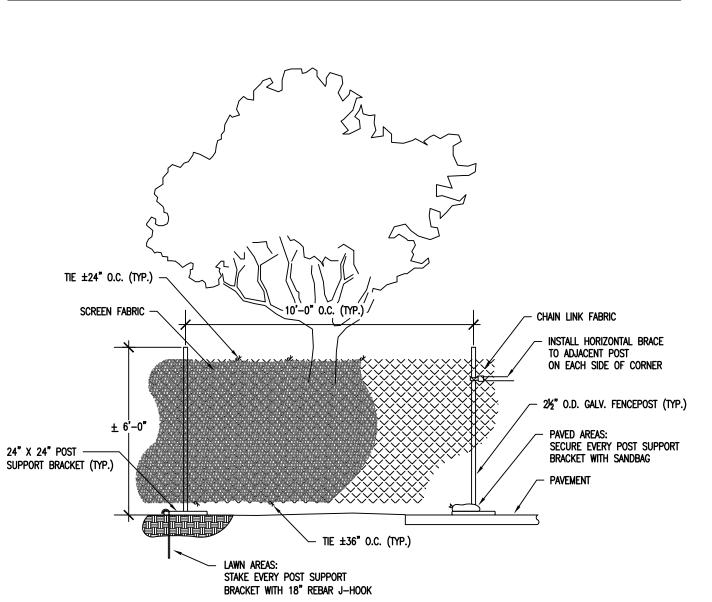
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BACKFILL DETAIL AT PAVERS

NO SCALE

GENERAL NOTES

- DO NOT SCALE DRAWINGS. VERIFY ALL REQUIRED INFORMATION IN THE FIELD BY VISITING SITE PRIOR TO SUBMITTING BID.
- EXACT ROUTING OF PIPING SHALL BE SET IN FIELD TO MINIMIZE CONFLICTS WITH ALL ABOVE AND UNDERGROUND STRUCTURES, TREES, FENCES, WALKS, WALLS, AND UTILITIES.
- ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS. PIPING. AND INSULATION FOR ALL OFFSETS AND/OR CHANGES IN ELEVATIONS. WHERE NECESSARY DUE TO INTERFERENCE, CONTRACTOR SHALL MODIFY EXISTING PIPING, EQUIPMENT, ETC.
- ALL VALVES AND SPECIALTIES SHALL BE LINE SIZE UNLESS INDICATED OTHERWISE ON DRAWINGS.
- ALL STEAM AND PUMPED CONDENSATE SHALL PITCH DOWN A MINIMUM OF ONE INCH PER FIFTY FEET.
- 6. ALL OPENINGS THROUGH EXISTING STRUCTURES SHALL BE CORE DRILLED.
- 7. COLD SPRING ALL STEAM LINES FIFTY (50) PERCENT.
- WHERE PIPING ENTERS MANHOLE CONSTRUCT ENTRY AS REQUIRED. ALL PIPES TO BE SLEEVED AND LINK SEALED TO MAKE WATERTIGHT.
- ALL PIPING AND FITTINGS IN MANHOLES TO BE INSULATED, SEE SPECIFICATIONS.
- 10. CONTRACTOR SHALL COORDINATE AND OBTAIN APPROVAL FROM OWNER FOR INTERRUPTIONS AND CONNECTIONS TO EXISTING UTILITY SYSTEMS.
- CONTRACTOR SHALL COORDINATE TREE AND LANDSCAPING REPLACEMENT WITH USC. IN GENERAL USC WILL REPLACE SMALL TREES THAT ARE NOTED TO BE REPLACED. CONTRACTOR IS RESPONSIBLE FOR SOD REPLACEMENT.
- 12. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ALL BRICK PAVERS TO MATCH THE EXISTING CONDITION.
- 13. CONTRACTOR SHALL CONTACT PALMETTO UTILITY PROTECTION SERVICES TO LOCATE UTILITIES PRIOR TO DIGGING. INFORMATION OBTAINED FROM PALMETTO UTILITY PROTECTION SERVICES AND DURING DIGGING SHALL BE INDICATED ON THE AS-BUILT DRAWINGS.
- 14. CONSTRUCT TEMPORARY FENCING AROUND PROJECT AREA TO PROTECT THE SITE AND PEDESTRIANS.



1. TREE PROTECTION FENCING SHALL BE PLACED BETWEEN ALL EXISTING TREES AND AROUND PROJECT WORK AREA AS APPROVED BY USC. 2. SEE "USC SUPPLEMENTAL GENERAL CONDITIONS FOR CONSTRUCTION PROJECTS" FOR ADDITIONAL INFORMATION. 3. PROVIDE PROTECTION FENCE FOR ALL TREES TO REMAIN. 4. PROTECTION FENCING TO BE PLACED OUTSIDE OF DRIPLINE OF TREE CANOPY UNLESS OTHERWISE APPROVED BY USC PROJECT MANAGER. 5. A 4" LAYER OF HARDWOOD MULCH SHALL BE PLACED OVER TREE PROTECTION AREA. PROTECTION AREA.

6. PROTECTION FENCING SHALL BE IN PLACE AND HARDWOOD MULCH PLACED PRIOR TO BEGINNING CONSTRUCTION.

7. REQUESTS FOR PAYMENT SHALL NOT BE APPROVED UNTIL PROTECTION FENCING AND MULCH IS IN PLACE.

8. LOCATION OF THE PROTECTION FENCING SHALL BE MARKED BY USC ARBORIST AND APPROVED BY USC PROJECT MANAGER BEFORE INSTALLATION. WHERE CONSTRUCTION IS LIKELY TO OCCUR WITHIN 5' OF PROPOSED LOCATION OF PROTECTION FENCING, CONTRACTOR SHALL HAVE LIMITS OF CONSTRUCTION MARKED BY SURVEY BEFORE PROTECTION FENCING IS INSTALLED. 9. SCREEN FABRIC SHALL BE DARK GREEN 85% OPAQUE, POLYETHEYLENE KNIT MESH, UV STABILIZED WITH BURST STRENGTH OF AT LEAST 210 P.S.I.

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PLANNING ISTRUCTION A, SC 29208

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