

CONSULTANTS:

- OWNER'S PROJECT ADVISOR:
MOSES TUCKER REAL ESTATE, INC.

CIVIL ENGINEER:
McCLELLAND ENGINEERS

LANDSCAPE ARCHITECT:
LARSON BURNS SMITH

STRUCTURAL ENGINEER:
CROMWELL ENGINEERS INC.

MECH., ELEC., PLUMB. ENGINEER:
CROMWELL ENGINEERS INC.

SUSTAINABLE CONSULTANT:
BNIM / ELEMENTS

GLOBAL VILLAGE CONSULTANT
CAMBRIDGE SEVEN ASSOCIATES

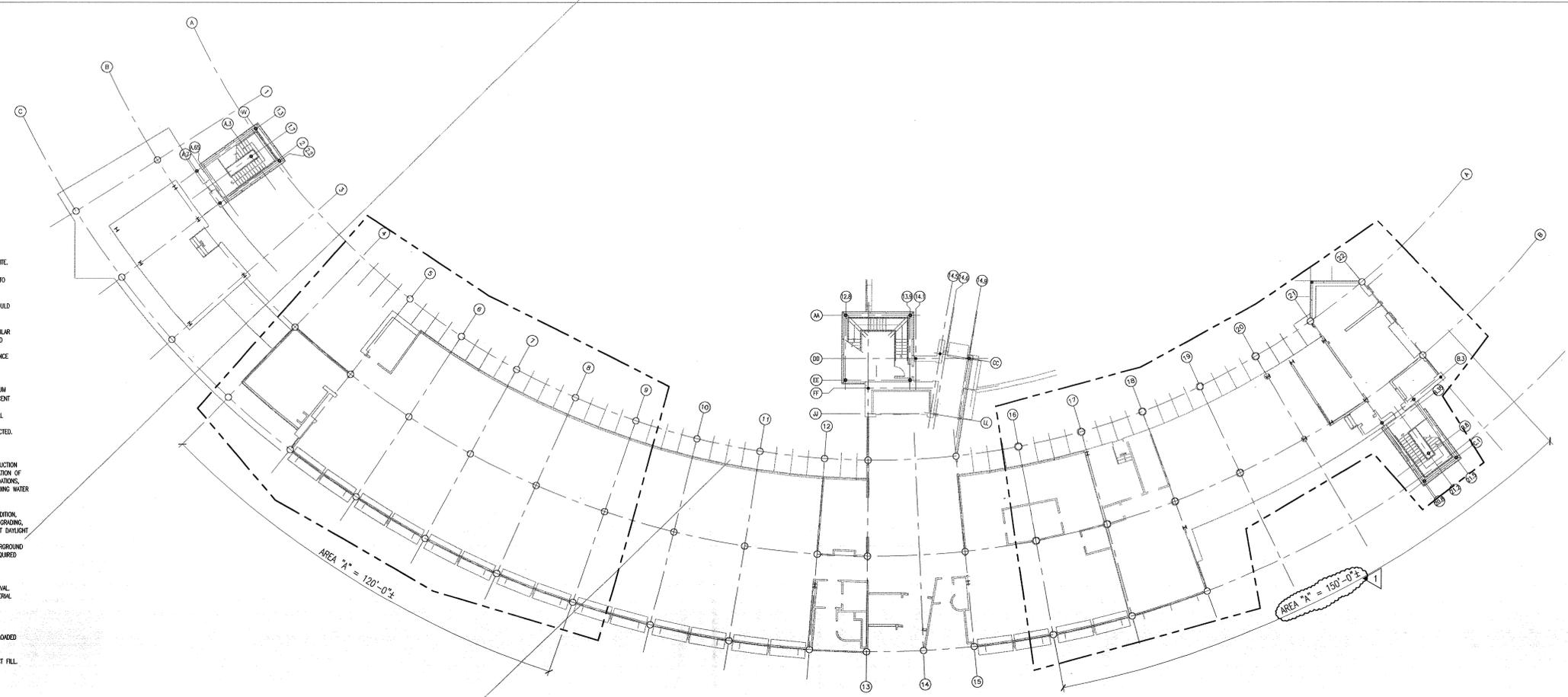
INTERIOR DESIGNER:
POLK STANLEY YEARY

GENERAL CONTRACTOR:
CDI

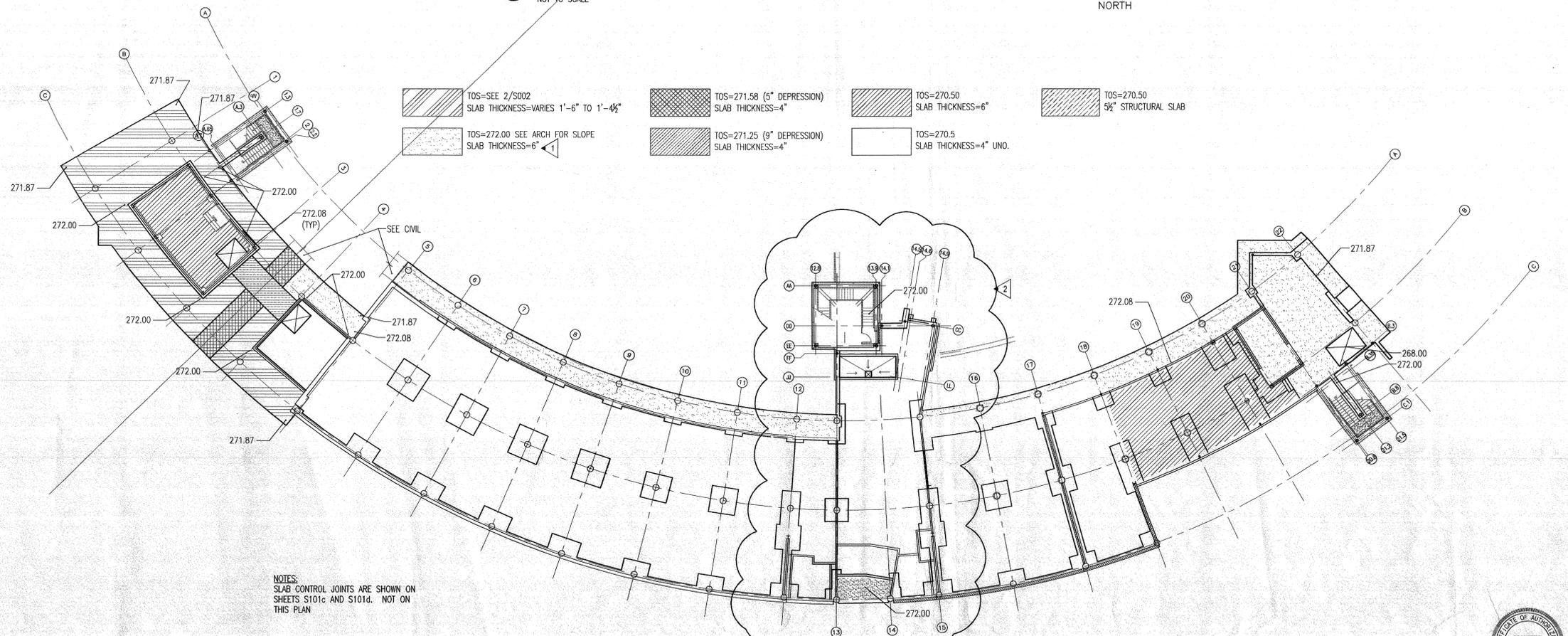
GENERAL NOTES:

NOTES:

1. NOT USED
2. AREA "A":
 - a) UNDERCUT THIS AREA MIN. OF 6"-0" BELOW EXISTING GRADE AND REMOVE THE UNDER CUT MATERIAL OFF THE SITE.
 - b) UNDERCUT SHALL BE BACKFILLED WITH SELECT LOW-PLASTICITY CLAYEY SAND, SANDY CLAY, OR CLAYEY GRAVEL CLASSIFYING AS SC, CL, OR GC BY THE (ISS) IT IS IMPERATIVE THAT THE BACKFILL CONTAIN ADEQUATE FINES TO DEVELOP A RELATIVELY IMPERVIOUS BACKFILL.
 - c) ALL FILL AND BACKFILL MUST BE FREE OF ORGANICS AND DURABLE ROCK FRAGMENTS IN EXCESS OF ABOUT 6" DIMENSION. THE TOP 18" OF FILL SHOULD HAVE A MAXIMUM PARTICLE LIMITED TO ABOUT 1.5". FILL PADS SHOULD EXTEND AT LEAST 10'-0" BEYOND BUILDING LIMITS.
 - d) THE SELECT LOW-PLASTICITY FILL ON THE DUSY SIDE OF THE BUILDING (WHERE CLAY IS UNDERCUT) MUST BE COMPACTED WET OF THE OPTIMUM VALUE. WHERE A SILTY CLAY-SHALE FRAGMENT BLEND FILL IS USED, PARTICULAR ATTENTION SHOULD BE GIVEN TO COMPACTON AND PLACEMENT PROCEDURES. THE SHALE FRAGMENT FILL SHOULD BE WETTED AS NECESSARY TO OBTAIN A WATER CONTENT RANGING FROM OPTIMUM TO 3 TO 4 PERCENT ABOVE OPTIMUM. KNEADING-TYPE VIBRATORY COMPACTOR SUCH AS A SHEEPSFOOT ROLLER SHOULD BE USED TO ENHANCE THE BREAKDOWN OF SHALE FRAGMENTS.
3. COMPACTION REQUIREMENTS:
 - a) FILL, BACKFILL, AND RECOMPACTED SOILS SHOULD BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM MODIFIED PROCTOR (ASTM D-1557) DRY DENSITY, WITHIN A WATER CONTENT RANGE OF MINUS 2 TO PLUS 3 PERCENT OF OPTIMUM.
 - b) FILL AND BACKFILL SHOULD GENERALLY BE PLACED IN NOMINAL 6" TO 8" THICK LIFTES. EACH LIFT OR FILL SHOULD BE PROPERLY COMPACTED, TESTED, AND APPROVED PRIOR TO PLACING SUBSEQUENT LIFTS. DENSITY AND MOISTURE CONTENT OF ALL SUBGRADE SOILS SHOULD BE MAINTAINED UNTIL SLABS AND FOUNDATIONS ARE CONSTRUCTED.
4. CONSTRUCTION CONSIDERATIONS:
 - a) SURFACE DRAINAGE:
POSITIVE SURFACE DRAINAGE SHOULD BE ESTABLISHED AT THE START OF WORK, BE MAINTAINED DURING CONSTRUCTION AND FOLLOWING COMPLETION OF THE PROJECT TO PREVENT SURFACE WATER PONDING AND SUBSEQUENT SATURATION OF SUBGRADE SOILS. DENSITY AND WATER CONTENT OF ALL EARTHWORK SHOULD BE MAINTAINED UNTIL THE FOUNDATIONS, SLABS, AND PAVEMENTS ARE COMPLETED. FOUNDATION OR SUBGRADE SOILS THAT BECOME SATURATED BY PONDING WATER OR RUNOFF, SHOULD BE EXCAVATED TO SUITABLE SOILS.
 - b) SEEPAGE AND SITE DRAINAGE:
PERCHED GROUNDWATER COULD BE ENCOUNTERED WITHIN THE ON-SITE FILL AND NEAR-SURFACE SOILS. IN ADDITION, SEASONAL SURFACE SEEPS AND SPRINGS COULD BE PRESENT, WHERE SEEPS ARE ENCOUNTERED DURING SITE DRAINAGE, WE RECOMMEND THE SEEPAGE BE DIRECTED IN FRENCH DRAINS OR BLANKET DRAINS TO POSITIVE DISCHARGE AT DRAINAGE OR TO STORM DRAINAGE LINES.
EXISTING PAVEMENTS AND UTILITIES ARE PRESENT ON THE SITE. ALL ABANDONED FOUNDATION UNITS AND UNDERGROUND UTILITIES SHOULD BE EXCAVATED AND REPLACED WITH ENGINEERED FILL. SOME UNDERCUT IS LIKELY TO BE REQUIRED FOLLOWING THE DEMOLITION OF PAVEMENTS AND STRUCTURES ON THE SITE.
5. APPROVAL OF FILL AND BACKFILL MATERIAL:
 - a) CONTRACTOR SHALL SUBMIT CLASSIFICATION AND PROPERTIES OF FILL AND BACKFILL MATERIAL TO A/E FOR APPROVAL. HOWEVER, GRUBBER, HOOKER, BARTON, WANT GEOTECH. ENGINEERS SPECIFICALLY INSPECT AND APPROVE THE MATERIAL DELIVERED ON THE JOBSITE.
6. AREAS OTHER THAN A AND B SHALL BE STRIPPED TO A DEPTH OF 6" TO 9".
7. AFTER STRIPPING AND PERFORMING ANY CUT SUBGRADE SHOULD BE PROOF-ROLLED WITH A PNEUMATIC-TIRE ROLLER, LOADED TANDEN-WHEELED DUMP TRUCK OR SIM. EQUIPMENT TO LOCATE SOFT OR LOOSE SOIL ZONES.
8. SOFT OR LOOSE SOIL ZONES SHOULD BE UNDERCUT AND BE PROCESSED AND RECOMPACTED OR REPLACED WITH SELECT FILL.



1 PLAN SHOWING THE LOCATIONS OF UNDERCUTS
NOT TO SCALE



NOTES:
SLAB CONTROL JOINTS ARE SHOWN ON SHEETS S101c AND S101d. NOT ON THIS PLAN

2 PLAN SHOWING SLAB ELEVATIONS AND THICKNESS AT FIRST FLOOR
NOT TO SCALE

NOTES:

ISSUE DATE:
NOVEMBER 17, 2003
STRUCTURAL/FOUNDATION
PACKAGE #4

REVISIONS:

#	DATE	DESCRIPTION
1	01/19/2004	PACKAGE 4 - ADDM. 04
2	03/17/2004	PACKAGE 4 - ADDM. 06

**HEIFER
INTERNATIONAL
CENTER
OFFICE BUILDING**
LITTLE ROCK, ARKANSAS

PSY PROJECT NUMBER:
431C

CONTENTS:
PLAN OF UNDERCUTS AND
PLAN OF SLAB EL. AND
THICKNES AT FIRST FLOOR
SHEET NUMBER:
S002

