

TYPICAL SLAB CONSTRUCTION

NO SCALE

GENERAL NOTES

GENERAL:

THE DESIGN PROFESSIONAL WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

ALL WORK TO CONFORM TO 2011 OHIO BUILDING CODE, 2011 OHIO MECHANICAL CODE AND 2011 OHIO PLUMBING CODE.

CONTACT PROPER AUTHORITIES TO LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION FOR FOOTINGS.

EARTHWORK: ALL EARTHWORK, INCLUDING EXCAVATIONS, FILLS, PROOFROLLING, TESTING, COMPACTION, ETC., TO BE PERFORMED IN ACCORDANCE WITH RECOMMENDATIONS CONTAINED IN THE SOILS REPORT AND/OR THE SPECIFICATIONS. ALL EARTHWORK SHALL BE INSPECTED FOR CONFORMANCE WITH THE SOILS REPORT AND CONTRACT DOCUMENTS.

CONTROLLED COMPACTED FILL: ALL SOFT MATERIAL THAT CANNOT BE COMPACTED AND MATERIAL THAT CANNOT SUPPORT THE REQUIRED THICKNESS OF CONTROLLED COMPACTED FILL AND/OR FOUNDATION LOADS WITHOUT DETRIMENTAL SETTLEMENT, MUST BE REMOVED PRIOR TO PROOFROLLING.

AFTER STRIPPING AND GENERAL EXCAVATIONS, THE ENTIRE BUILDING AREA SHALL BE PROOFROLLED WITH A PNEUMATIC TIRED ROLLER OR EARTHMOVING UNIT HEAVY ENOUGH TO DETECT CAVITIES, SINKHOLES, SOFT SPOTS OR IRREGULARITIES IN THE SUBGRADE. TESTING LABORATORY REPRESENTATIVE TO OBSERVE AND MAKE RECOMMENDATIONS DURING PROOFROLLING OPERATIONS. TRACK MOUNTED EQUIPMENT SUCH AS BULLDOZERS, FRONT END LOADERS, ETC. ARE NOT TO BE USED FOR PROOFROLLING OR SOIL COMPACTION.

AFTER PROOFROLLING AND CORRECTIVE MEASURES AS REQUIRED BY THE TESTING REPRESENTATIVE ARE ACCOMPLISHED, GENERAL FILL SHALL BE PLACED PRIOR TO CONSTRUCTION OF FOUNDATIONS. ALL FILL WITHIN 5'-0" BEYOND THE BUILDING LINES SHALL BE CONTROLLED, PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (ASTM D698). FILL SHALL BE PLACED IN LAYERS OF APPROPRIATE THICKNESSES REQUIRED BY THE NATURE OF THE SOIL OR AS DIRECTED SO THAT THE MATERIAL WILL BE COMPACTED THROUGHOUT THE ENTIRE LAYER. SPECIAL CARE SHALL BE TAKEN TO ADEQUATELY COMPACT FILL AND BACKFILL IN AREAS EXCAVATED FOR PIPE TRENCHES, FOOTINGS AND FOUNDATION WALLS. ALL FILL SHALL BE SELECT MATERIAL WITH A LIQUID LIMIT LESS THAN 30 AND A PLASTICITY INDEX (PI) NO GREATER THAN 15.

FOUNDATIONS: FOUNDATION WORK HAS BEEN DESIGNED AND ELEVATIONS ESTABLISHED ON THE BASIS OF THE GEOTECHNICAL REPORT WRITTEN FOR THE USE OF THE OWNER, ARCHITECT AND ENGINEER. FOOTINGS HAVE BEEN DESIGNED TO BEAR ON UNDISTURBED RESIDUAL SOILS OR COMPACTED STRUCTURAL FILL CAPABLE OF SAFELY SUPPORTING A NET PRESSURE OF 2,000 PSF. IF FOUNDATION CONDITIONS PROVE UNACCEPTABLE AT ELEVATIONS SHOWN, FOOTINGS SHALL BE CARRIED DEEPER OR OTHER REDESIGN OF FOUNDATIONS WILL BE REQUIRED AT THE DIRECTION OF THE ARCHITECT/ENGINEER.

CONCRETE: MINIMUM 28 DAY CYLINDER STRENGTH OF 3,000 PSI AND MAXIMUM SLUMP OF 4" PRIOR TO ADDITION OF SUPERPLASTICIZERS. REINFORCING STEEL ASTM A615, GRADE 60, LAPS 32 DIAMETER UNLESS NOTED. ALL BARS SECURELY HELD IN ACCURATE POSITION BY SUITABLE ACCESSORIES, TIE BARS, SUPPORT BARS, ETC. EXCEPT AS NOTED OR SPECIFIED. ALL CONCRETE WORK TO COMPLY WITH ACI BUILDING CODE (ACI-318), DETAILING MANUAL (ACI-SP66) AND ACI SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI-301). STANDARD TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS (ACI-117). HOT WEATHER CONCRETE TO COMPLY WITH ACI-305. COLD WEATHER CONCRETE TO COMPLY WITH ACI-306.1. PROVIDE ADEQUATE BARRIERS TO PROTECT CONCRETE FROM DRYING PREMATURELY.

SLAB ON GROUND: FLOAT FINISH THEN BROOM FINISH EXTERIOR SLABS.

ALL CONCRETE SHALL BE CURED, EITHER BY APPLICATION OF AN APPROVED CURING COMPOUND OR BY WATER CURING FOR 7 DAYS MINIMUM. CURING COMPOUND SHALL BE CLEAR STYRENE ACRYLATE TYPE, 30% SOLIDS CONTENT MINIMUM. SUBMIT MANUFACTURERS LITERATURE MEETING THESE REQUIREMENTS FOR APPROVAL. WATER CURING SHALL CONSIST OF PONDING, BURLAP, CONTINUOUS SPRAYING OR COMPLETE POLYETHYLENE COVER. THOROUGHLY SOAK CONCRETE WITH ADDITIONAL WATER PRIOR TO COVERING WITH POLYETHYLENE AND SEAL ALL JOINTS WITH TAPE. REPAIR ANY TEARS AND MAINTAIN A MOIST CURING CONDITION FOR ENTIRE CURING PERIOD.

EMPLOY A TESTING AGENCY, ACCEPTABLE TO THE OWNER, WHO WILL PERFORM INSPECTIONS AND TESTING OF CONCRETE. MAKE ONE SET OF FOUR CONCRETE CYLINDERS FROM EACH 50 CUBIC YARDS WITH A MINIMUM OF ONE SET FROM EACH DAYS OPERATIONS FOR EACH CLASS OF CONCRETE. TEST SPECIMENS SHALL BE MADE IN ACCORDANCE WITH ASTM C31. MAKE ONE SLUMP TEST ON THE CONCRETE AT THE BEGINNING OF THE POUR AND FOR EACH SET OF CYLINDERS TAKEN IN ACCORDANCE WITH ASTM C143. MAKE ONE ENTRAINED AIR TEST WITH EACH SLUMP TEST IN ACCORDANCE WITH ASTM SPECIFICATION FOR ALL AIR-ENTRAINED CONCRETE. CYLINDER SHALL BE TESTED IN ACCORDANCE WITH ASTM C39. TWO CYLINDERS AT 7 DAYS AND TWO AT 28 DAYS OLD. THE TESTING AGENCY SHALL SUBMIT, IN A TIMELY MANNER, THE RESULTS OF THEIR INSPECTIONS AND TESTS TO THE ARCHITECT/ENGINEER FOR REVIEW.

NO CALCIUM CHLORIDE OR ADMIXTURE CONTAINING CHLORIDES SHALL BE USED IN ANY CONCRETE WITHOUT SPECIFIC APPROVAL BY THE ARCHITECT/ENGINEER.

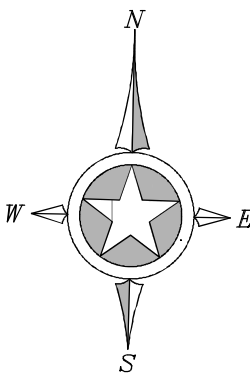
PROVIDE CORNER BARS IN EXTERIOR CORNERS OF GRADE BEAMS AND WALLS, TO MATCH HORIZONTAL REINFORCING.

THOROUGHLY COMPACT ALL SUBGRADE MATERIAL PRIOR TO PLACING CRUSHED STONE. REMOVE ANY LOOSE MATERIAL AND DEBRIS THAT CANNOT BE ADEQUATELY COMPACTED.

FOUNDATION PLAN

1/8" = 1'-0"

S.J. DESIGNATES HAND TOOLED OR SAW CUT SHRINKAGE JOINT IN PAVING SLAB.



REVISIONS

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PROPOSED
FOUNDATION PLAN

BUCKEYE BRINE L.L.C.
RIVERSIDE WATER
RECYCLE PROJECT

DRAWN
R.H.H.
DATE
10/11/13
JOB NO.
SCALE
AS NOTED
SHEET NO.
S1