

SILO FOUNDATION PLAN

SCALE: 3/4"=1'0"

GENERAL NOTES:

GENERAL: ALL NOTES ARE FOR SUPPLEMENTING THE PLANS AND SPECIFICATIONS AND ARE IN NO WAY TO BE CONSIDERED AS EXCLUDING ANY ITEM. THEM.

COORDINATION: IT SHALL BE THE CONTRACTOR & MESHONS BILITY TO COORDINATE THE STRUCTURAL DRAWINGS AND THEIR DIMENSIONS WITH OTHER DRAWINGS AND IF A CONFLICT EXISTS HE SHALL NOT CARRY DUT THE TAFRECTED WORK UNTIL THE ARCHITECT HAS RESOLVED THE CONFLICT:

CODE: DESIGN AND CONSTRUCTION TO BE IN ACCORD WITH THE BOCA CODE AND THE PARTICULAR CODES AS REFERENCED IN BOCA!

LOADS: THE STRUCTURE HAS BEEN DESIGNED FOR THE LOADS PROVIDEED BY LEEACH MANUFACTURING COMPANY, DRAWING NUMBER 108292-0-100 BATED 9/18/93 FOR A 10' DIA. X 34'4" SILO

SILO WEIGHT EMPTY 10 PRODUCT WEIGHT 101 WIND BASE SHEAR 5 WIND BASE MOMENT 92 SEISMIC BASE SHEAR (FULL) 6 SEISMIC BASE MOMENT 147

CONSTRUCTION SAFETY: LOADS GREATER THAN THE APPLICABLE DESIGN LOADS SHALL NOT BE PLACED ON THE STRUCTURE. PROVISION SHALL BE MADE FOR ADEQUATE BRACING AND SUPPORT OF ADJACENT CONSTRUCTION, UTILITIES AND EXCAVATIONS. JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

FOUNDATION: EXCAVATION FOR AND BEARING MATERIAL FOR FOUNDATIONS SHOULD BE SUPERVISED AND APPROVED BY A SOILS ENGINEER REGISTERED IN THE STATE OF MARYLAND.

THE FOOTINGS SHALL BE EXCAVATED AFTER THE BUILDING AREAS HAVE BEEN PROPERLY PREPARED.

ALL FOOTINGS SHALL BE CARRIED DOWN A MINIMUM OF ONE FOOT INTO VIRGIN SOIL OR COMPACTED FILL OR AS DIRECTED BY THE SOILS ENGINEER AND, IF EXTERIOR, SHALL BE A MINIMUM OF 2'-6" BELOW FINISHED EXTERIOR GRADE. FOOTINGS ARE DESIGNED FOR A SOIL BEARING PRESSURE OF 2,000 PSF.

WATER, LOOSE SOIL AND SOIL SOFTENED BY WATER SHALL BE REMOVED FROM THE BOTTOM OF THE FOOTING EXCAVATIONS BEFORE PLACING CONCRETE.

FOOTING EXCAVATIONS SHALL NOT BE LEFT OPEN FOR LONG PERIODS. IT IS SUGGESTED THAT THE BOTTOM OF THE FOOTING EXCAVATIONS AND TRENCHES BE PROTECTED BY UNDERCUTTING AND PLACING THREE (3) INCHES OF A LEAN-MIX CONCRETE SLAB IMMEDIATELY UPON APPROVAL AND BEFORE REINFORCING STEEL IS PLACED.

DEPTH OF EXCAVATIONS BELOW ANY FOOTINGS SHALL NOT EXCEED 1/2 THE DISTANCE FROM THE NEAREST EDGE OF THAT FOOTING.

PROVISIONS MUST BE TAKEN TO PROTECT ALL CONCRETE WORK FROM FROST DAMAGE WITH SPECIAL ATTENTION PAID TO FOOTINGS AND OTHER CONCRETE ON GRADE PRIOR TO BACKFILLING AND ENCLOSING THE BUILDING

CARE SHOULD BE TAKEN TO ASSURE THAT DURING PLACING OF CONCRETE FOOTINGS AND SLABS ON GRADE NO ORGANIC MATTER, SALTS, OR CLAYS ARE MIXED WITH THE CONCRETE.

COMPACTION: EACH LAYER OF FILL SHALL BE COMPACTED AT OPTIMUM MOISTURE

CONTENT (PLUS OR MINUS 2%) TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY.

LOWER DEGREES OF COMPACTION MAY BE PERMITTED BY THE BUILDING OFFICIAL AFTER RECEIPT OF A REPORT FROM THE SOILS ENGINEER CERTIFYING THAT HE HAS INVESTIGATED THE SUBSOIL OF THE SITE, HAS TESTED REPRESENTATIVE FILL MATERIALS AND THAT IN HIS OPINION SUCH LOWER DEGREE OF COMPACTION

WILL BE ADEQUATE FOR THE INTENDED USE OF THE FILL.

IN-PLACE FIELD DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH AASHTO T-180.

ALL FILLS SHALL BE PLACED IN APPROXIMATELY HORIZONTAL LAYERS, EACH LAYER HAVING A LOOSE THICKNESS OF NOT MORE THAN 8 INCHES

NO FILL SHALL BE PLACED ON FROZEN GROUND.

CONCRETE: TO BE MIXED AND PLACED IN ACCORDANCE WITH THE CURRENT "AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". A COPY OF THIS CODE SHALL BE AVAILABLE ON THE PROJECT AT ALL TIMES.

ALL REINFORCED CONCRETE TO HAVE A COMPRESSIVE STRENGTH (f'c) OF 3,000 PSI, UNLESS OTHERWISE NOTED.

CONCRETE CYLINDER TESTS SHALL BE MADE BY AN INDEPENDENT QUALIFIED TESTING AGENCY, TO BE RETAINED AND PAID FOR BY THE OWNER, IN ACCORDANCE WITH ASTM SPECIFICATION FOR "COMPRESSION TESTS OF CONCRETE". A MINIMUM OF 4 TEST CYLINDERS SHALL BE MADE FOR EACH 50 CUBIC YARDS, OR FRACTION THEREOF, OF CONCRETE PLACED: TWO TESTED AT SEVEN DAYS AND TWO TESTED AT TWENTY-EIGHT DAYS. THE TESTING AGENCY SHALL BE RESPONSIBLE FOR OBTAINING SAMPLES AND FOR STORAGE.

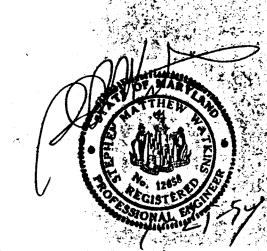
ALL CONTINUOUS REINFORCING SHALL BE CONTINUOUS OR LAPPED AT ALL SPLICES, CORNERS AND INTERSECTIONS A MINIMUM OF 30 BAR DIAMETERS (U.N.O.).

PROVIDE SPACERS, CHAIRS, TIES AS REQUIRED AND NECESSARY FOR ASSEMBLING, PLACING AND SUPPORTING ALL REINFORCEMENT IN PROPER POSITION.

CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS GIVEN IN ACI-318.

REINFORCING STEEL: SHALL CONFORM TO ASTM SPECIFICATION A815, GRADE 80 FOR BARS.

FABRICATION, INCLUDING ACCESSORIES, ALLOWANCE FOR CONCRETE PROTECTION AND MINIMUM AREA OF STEEL REQUIRED, TO BE IN ACCORDANCE WITH THE ACL BUILDING CODE AND MANUAL OF STANDARD PRACTICE.



PROJECT/LOCATIO	SILO FOUNDATION	
,	MESSICK & GRAY SAVAGE, MARYLAND	
DRAVING: FOUN	DATION PLAN, SECTIONS &	NOTES
SCALE: AS NOTED	DATEI DESIGNED BY:	DRAWN BY
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