

CHAMFER DRIVE-THRU STORE NUMBER:

SVC VETERAN'S MEMORIAL PARKVAY & HVY, K D'FALLON, NO PROJECT TYPE NEW CONSTRUCTION

CS PROJECT NUMBER:

DEAL TYPE Fee for Service/Land/Type B

719 Griswold Street Suite 1000 Oetrolt, MI 48226 (313) 324-3113

ENGINEERS AUTHENTICATION The responsibility for professional engineering liability on this reject is hereby limited to the set of plans authenticated by the ser gnature, and date hereunder attached. Responsibility is disc for all other engineering plans involved in this project and

pecifically excludes revisions after this date unless reauthent

PRECAST MODULAR BLOCK WALL NOTES

1. THE PRECAST MODULAR BLOCK WALL IS SHOWN ON THESE PLANS FOR HORIZONTAL AND

-1 TO +3%

-2 TO +2%

-3 TO +3%

THE DESIGN OF THE MODULAR BLOCK WALL SHALL BE PROVIDED BY THE WALL CONTRACTOR. THE MODULAR BLOCK WALL PLANS SHALL BE SEALED BY AN ENGINEER REGISTERED IN THE STATE OF MISSOURI AND SUBMITTED TO THE CITY OF O'FALLON FOR

GEOTECHNICAL ENGINEER FOR APPROVAL BY THE WALL CONTRACTOR PRIOR TO

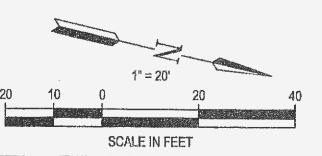
4. THE MODULAR BLOCK WALL BLOCK TYPE, AND SIZE SHALL BE SELECTED BY THE CVS REPRESENTATIVE PRIOR TO CONSTRUCTION. THE COLOR OF THE WALL SHALL BE

5. THE ELEVATIONS SHOWN FOR THE MODULAR BLOCK WALL MAY VARY ACCORDING TO THE WALL SYSTEM SELECTED. THE ABBREVIATION "TW" XXX,XX AS INDICATED ON THE GRADING PLANS INDICATES THE PROPOSED ELEVATION AT THE TOP OF THE FINISHED WALL. THE ABBREVIATION "BW" XXX.XX INDICATES THE FINISHED GROUND ELEVATION AT THE FACE OF THE COMPLETED WALL. THE ACTUAL ELEVATION OF THE BOTTOM OF THE MODULAR BLOCKS OR FOUNDATION WILL BE DIFFERENT AND SHALL BE BASED ON THE

STABILITY AND WALL STABILITY AND ISSUE A REPORT TO THE CVS REPRESENTATIVE PRIOR TO CONSTRUCTION. THE WALL INSTALLER SHALL PROVIDE AN ALLOWANCE IN

METHODOLOGY ACCEPTED FOR USE BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) AASHTO, OR THE NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA), SINCE THESE THE BACKFILL USED FOR THE GEOGRID REINFORCED BACKFILL SECTIONS SHOULD BE A DRAINABLE GRANULAR MATERIAL CONFORMING TO THE ASSUMPTIONS OF THE ANALYSIS. BACKFILL ZONES, UNLESS PROVISIONS ARE MADE TO PROVIDE BACKSLOPE AND SURFACE DRAINAGE THAT WOULD PREVENT WATER FOROM ENTERING THE BACKFILL. BOTH THE AASHTO AND FHWA DESIGN METHODS SPECIFY THAT REINFORCED BACKFILL MATERIALS CONTAIN LESS THAN 15 PERCENT PASSING THE NO. 200 SIEVE. THE DESIGNER SHOULD STATE IN TEH CONSTRUCTION SPECIFICATIONS THE BACKFILL MATERIAL DESCRIPTION AND DESIGN STRENGTH PARAMETERS SO THAT UNSUITABLE MATERIALS ARE NOT ALLOWED IN THE BACKFILL ZONES DURING CONSTRUCTION.

AND UNDRAINED STRENGTH PARAMETERS. PARAMETERS USED IN THE ANALYSIS SHOULD NOT EXCEED THOSE GIVEN IN THE FOLLOWING TABLE FOR THE NATIVE AND FILL MATERIALS ENCOUNTERED, OR ANTICIPATED TO THE BE PLACED BEHIND THE REINFORCING ZONES OF THE PROJECT. THESE PARAMETERS ARE BASED ON LIMITED LABORATORY TESTING PERFORMED AS PART OF THIS STUDY AND OUR EXPERIENCE WITH SIMILAR MATERIALS. CONFIRMATORY TESTING IS RECOMMENDED. WE RECOMMEND THAT THE WALL CONTRACTOR/DESIGNER BE REQUIRED TO PROVIDE THE GLOBAL STABILITY ANALYSES BASED ON THE PLANNED FINAL CROSS-SECTIONS, INCLUDING THE TOPOGRAPHY ABOVE AND BELOW THE WALLS, USING THE GENERALIZED SUBSURFACE STRATIGRAPHY DISCUSSED IN GEOTECHNICAL REPORT.



P+Z No. 20-13

W

APPROVED 9-5-13 City No.

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