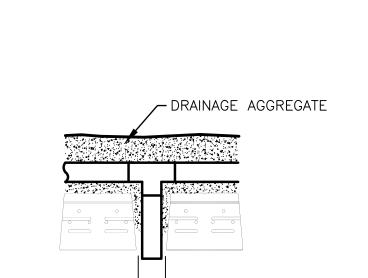
RETAINING WALL NOTES:

- 1. RETAINING WALL SHALL BE MODULAR INTERLOCKING MASONRY WALL UNITS HELD INTO THE EARTH WITH A GEOGRID TIE—BACK SYSTEM AS REQUIRED BY THE WALL UNIT MANUFACTURER. THE DETAILS PROVIDED HERE ARE FOR GENERAL GUIDANCE ONLY. THE WALL SHALL BE "DESIGN—BUILD" PROVIDED COMPLETE IN—PLACE BY THE CONTRACTOR.
- 2. THE MODULAR WALL UNITS SHALL HAVE A STRAIGHT FACE WITH SPLIT FACE
- OR SCORED TEXTURE. COORDINATE COLOR SELECTION WITH OWNER.

 3. THE WALL SHALL BE DESIGNED BY THE INSTALLER ACCORDING TO THE WALL
- UNIT MANUFACTURER'S DESIGN CRITERIA. THE DESIGN SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AS A SHOP DRAWING FOR REVIEW. ALL DESIGN CALCULATIONS AND DESIGN CRITERIA, (ANGLE OF FRICTION, SOIL WEIGHT, ETC), SHALL BE SUBMITTED WITH THE SHOP DRAWING. ALL DESIGN MUST BE SEALED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN
- THE STATE OF MISSOURI.

 4. FACTORS OF SAFETY SHALL BE AS FOLLOWS:
 - 1.5 AGAINST REINFORCEMENT GRID PULLOUT OR RUPTURE 1.5 AGAINST EXTERNAL SLIDING FAILURE
 - 2.0 AGAINST OVERTURNING
- THE WALL SYSTEM SHALL BE KEYSTONE, VERSA—LOK OR APPROVED EQUAL.
 THE DESIGN, DIMENSIONS, AND MATERIAL SHOWN IN THIS DETAIL ARE GENERAL IN NATURE. THE AGGREGATE MATERIALS, GEOGRID SYSTEM, AND

INSTALLATION SHALL BE PER WALL UNIT MANUFACTURER'S REQUIREMENTS.



OPEN JOINT AT

40 FT. CENTERS —

TYPICAL SECTION-REINFORCED RETAINING WALL

- 4" DIA. (MIN.) DRAIN PIPE OUTLET @ END OF WALL

OR @ 40' CENTERS MAX.

- IMPERVIOUS FILL

-AGGREGATE LEVELING PAD

SLOPE TO DRAIN 0.5% MIN. SLOPE

-DRAINAGE AGGREGATE

12" THICK MIN.

<u>Finished Grade</u>

CAP UNIT

ADHERE TO TOP UNIT

PER WALL MANUFACTURER -

MODULAR CONCRETE

FACING UNITS -

ONE UNIT MIN. -

BELOW GRADE

1" TYP.

MODULAR CONCRETE UNIT

DRAIN DETAIL
WALLS OVER 4'

1 SEGMENTAL RETAINING WALL C510 N.T.S.

EXCAVATION LINE

REINFORCED BACKFILL

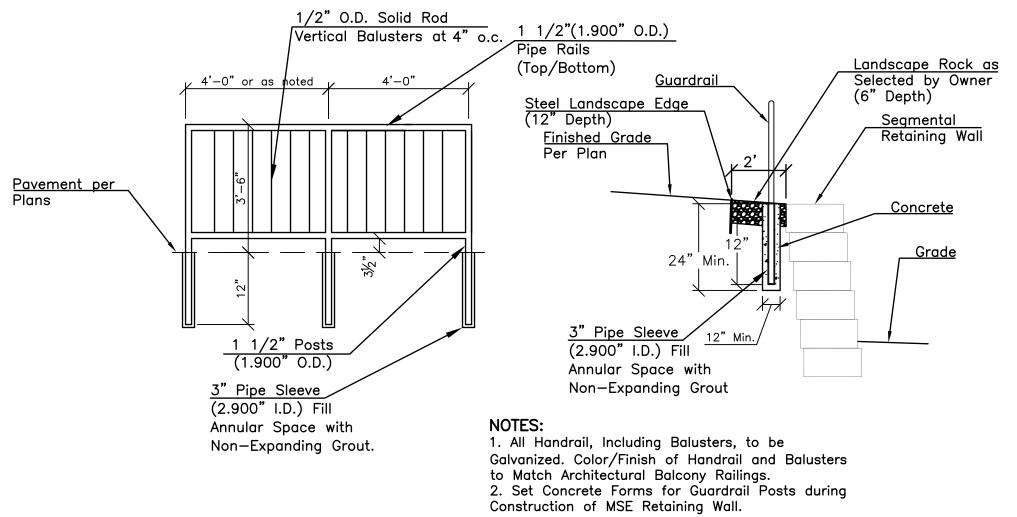
- COMPACTED 95% OF MAXIMUM

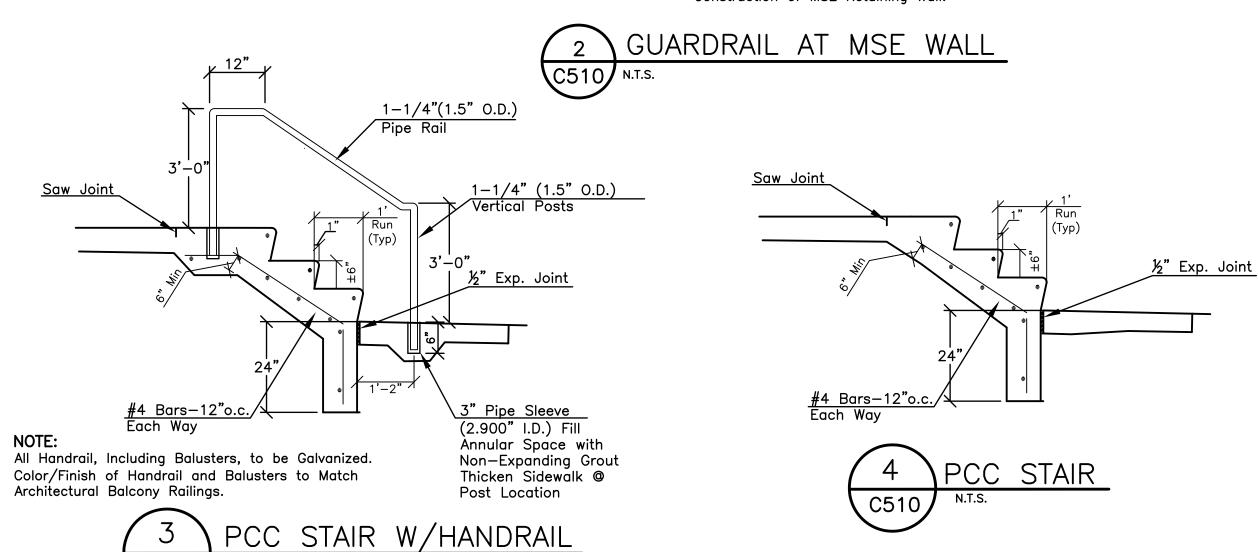
STANDARD PROCTOR DENSITY

-GEOSYNTHETIC REINFORCEMENT

PER MANUFACTURERS DESIGN

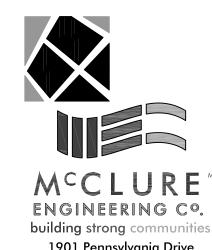
- RETAINED BACKFILL



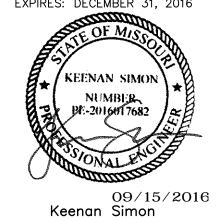


LANDSCAPE ARCHITECTURE INTERIORS ENERGY SERVICES P. 913.831.1415 F. 913.831.1563 NISPIARCH COM

ARCHITECTS PA 3515 W. 75TH ST., SUITE



1901 Pennsylvania Drive
Columbia, MO 65202
P 573-814-1568
F 573-814-1128
MISSOURI CERTIFICATE OF AUTHORITY
NO. E-2006023253
EXPIRES: DECEMBER 31, 2016



09/15/20 Keenan Simon M0-2016017682 Expires: 12-31-2016

W APARTMENT COMMUNITY AT:

JMMIT SQUAR

JW WARD RD.



03.04.2016 - PDP SUBMITTAL
 06.09.2016 - FDP SUBMITTAL

06.09.2016 - FDP SUBMITTAL
 07.01.2016 - 80% PROGRESS SET
 07.15.2016 - PERMIT SUBMITTAL

08.05.2016 - BID SET09.15.2016 - BID SET

REVISIONS

DATE
09/15/2016
JOB NO.
80816033
DRAWN BY:
GRK
SHEET NO.

C510