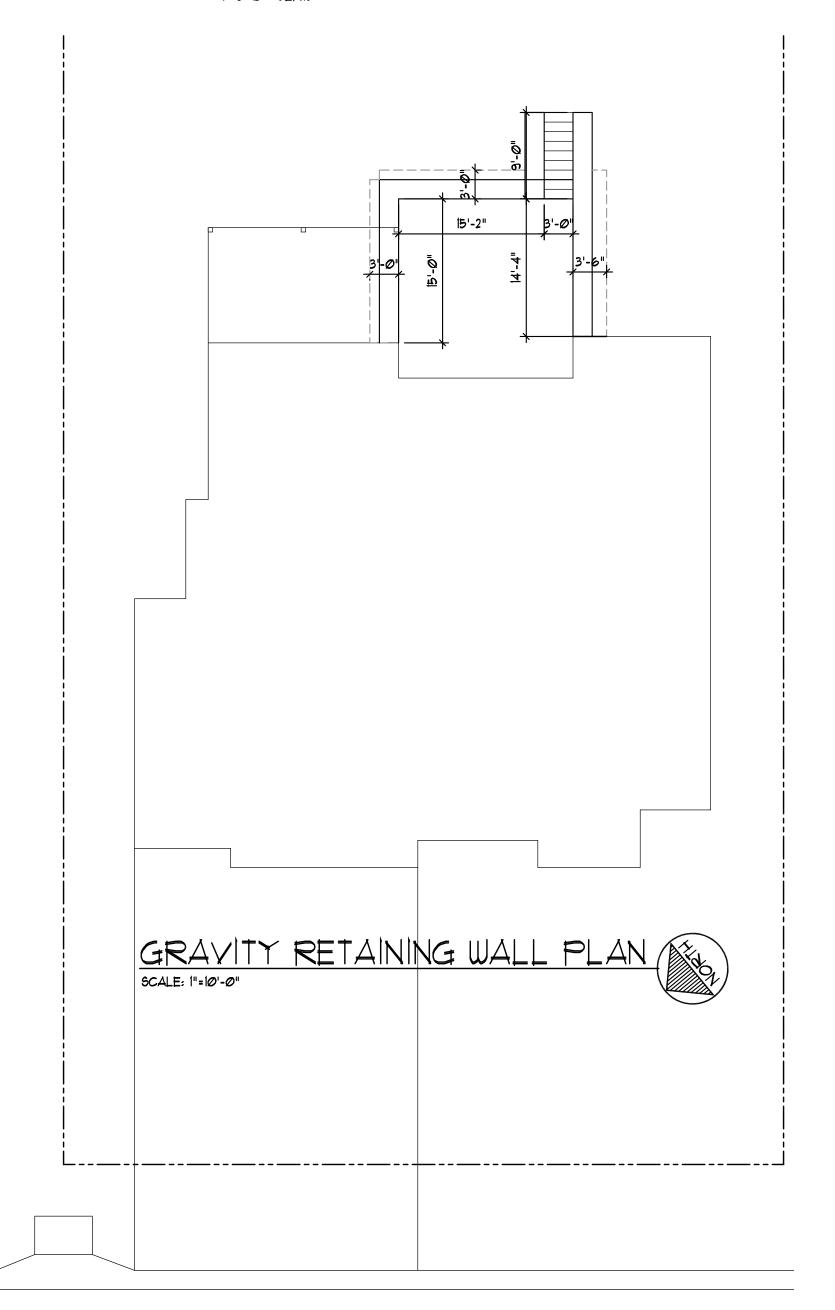
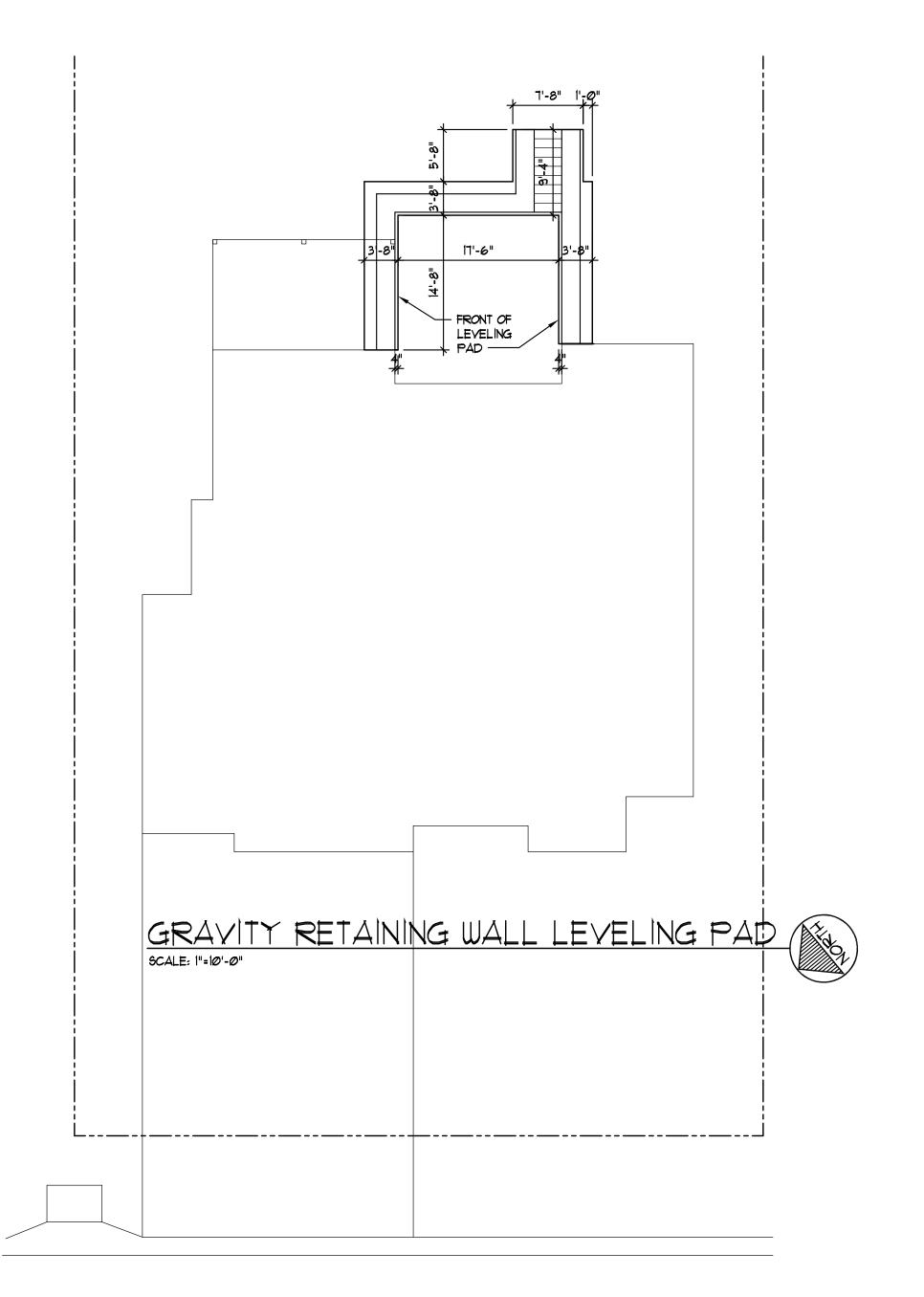


## GRAVITY RETAINING WALL ELEVATION SCALE: 1"=10'-0" HORIZ. 1"=5'-0" VERT.







## RETAINING WALL GENERAL NOTES

## 1. GENERAL REQUIREMENTS

A. Design and construction work for this project shall conform to the requirements of the 2018 International Building Code as amended by the local jurisdiction.

B. Design Loads:

Retained Soil phi = 26 degrees
Live Load Surcharge 0 psf
Backslope 0 degrees
Applied Bearing Pressure 1500 psf

- C. <u>DRAINAGE FILL</u> shall consist of free draining crushed stone, 3/8" to 3/4", or coarse gravel. No more than 5% shall pass the No. 200 sieve with a maximum size of 1". A minimum of 12 inches of drainage fill must extend behind the wall units to within 18 inches of final grade.
- D. <u>IMPERVIOUS FILL</u> shall consist of material having a minimum plasticity index of 10 and a maximum plasticity index of 30. No more than 10% particles shall be retained on the No. 4 sieve and no less than 20% shall pass the No. 200 sieve. 18 inches of impervious fill shall extend over the reinforced
- E. Filter Fabric consist of Mirafi 140 N as manufactured by Mirafi, Inc., or C-35NW as manufactured by
- F. Excavation shall be to the lines and grades shown on the construction drawings. Care shall be taken not to disturb embankment materials beyond lines shown.

  2. RETAINING WALL BLOCK SPECIFICATION:
- A. All large limestone elements used in the construction of the retaining wall structures shall have soundness, abrasion, and lithological characteristics, consistent with the intended use including but not limited to the following:
  - Free of clay and chert seams, horizontal bedding planes and fissures, uniform in shape and mass, fine grained and free of voids.
- Minimum unit weight shall be 140 lbs per cubic ft.

  All stone regardless of its source shall be approved by the engineer prior to placement.

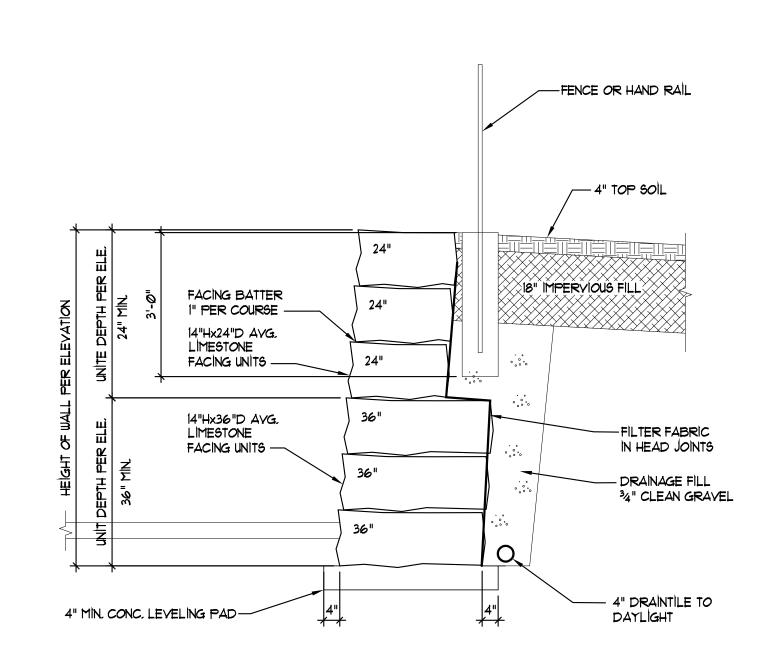
  B. All walls shall be built of large limestone rock as described in Note I. Limestone must be laid up with overlapping head joints in all lateral directions forming a running bond configuration. Continuous vertical joints more than 6 courses in height are not permitted.
- 3. FOUNDATION SOIL PREPARATION:
- A. Foundation soil shall be excavated as required for leveling pad per drawings.
   B. Foundation soil shall be examined by the Engineer of Record or Geotechnical Engineer to assure that the actual foundation soil strength meets or exceeds assumed design strength. Soils not meeting required strength shall be removed and replaced with acceptable material.
- C. Over-excavated areas shall be filled with approved compacted backfill material.
  2. BASE LEVELING PAD:
- A. Leveling pad materials shall be placed as shown on the drawings, on undisturbed insitu soils to a minimum thickness of 4 inches for concrete and 6" for sand or gravel type materials.
- B. Material shall be compacted so as to provide a level hard surface on which to place the first course of units. Compaction shall be 95% of standard proctor for sand or gravel type materials.
   C. Leveling pad shall be prepared to insure complete contact of retaining wall unit with base.
- 3. UNIT INSTALLATION:

  A. First course of concrete wall units shall be placed on the base leveling pad. The units shall be
- checked for level and alignment and in full contact with base.

  B. Units shall be placed side by side for full length of wall alignment. Alignment shall be done by means
- of a string line or offset from base line.

  C. The contractor shall follow manufacturer's installation instructions when making radius curves.
- D. Compact unit fill, drainage fill, and backfill. Excess material shall be swept from top of units to install next course, insuring the area between each unit is completely filled prior to proceeding to next
- E. Lay each course with the lip of the units placed against the back of the preceding course. Pull units forward as far as possible. Backfill and compact soil behind wall units.
- 5. PROTECTION OF WORK
- A. At the end of each day's operation, slope backfill away from the facing to direct runoff away
- Prevent runoff from adjacent areas from entering the retaining wall backfill.

  B. A minimum of three feet shall be maintained between the face of the retaining wall and the operation



GRAVITY RETAINING WALL SECTION

RW1.1

ISSUE DATE:
PERMIT
REVISIONS:

JOB NO:

DRAWN BY:

DESIGNED BY:

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N Deurzen and Associates, P.A. C

TO TO

SOIL RETAINING WALL FOR:

NW AMBERSHAM DRIVE

SHEET NO: