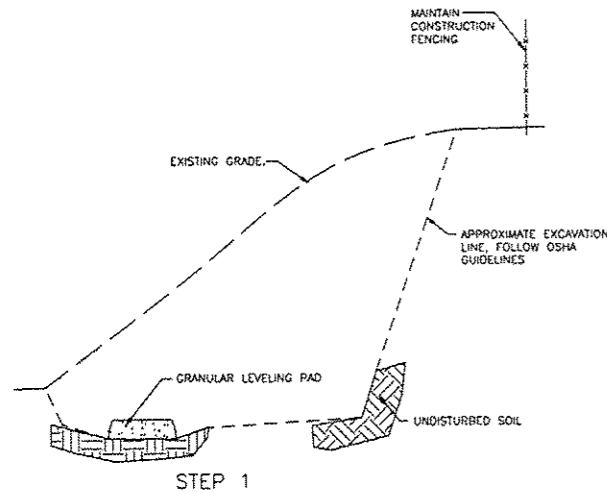


VERIFY LOCATION OF EXISTING STRUCTURES AND UTILITIES. EXCAVATE AREA LARGE ENOUGH TO ACCOMMODATE LEVELING PAD, REQUIRED UNIT EMBEDMENT, AND REQUIRED GEGRID LENGTHS. INSTALL TEMPORARY SHEETING WHERE REQUIRED. PROOF ROLL AND COMPACT EXCAVATED FOUNDATION AREA.



STEP 1

PLACE NEXT COURSE OF UNITS. INSERT TWO CONNECTION PINS PER MANUFACTURER'S REQUIREMENTS.

CHECK LEVEL AND ALIGNMENT OF UNITS.

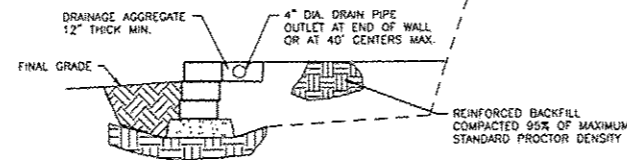
CONTINUE PLACING COURSES OF UNITS AND COMPACTING BACKFILL IN FRONT OF AND BEHIND UNITS UNTIL REACHING HEIGHT OF FINAL GRADE IN FRONT OF WALL.

BEGINNING JUST ABOVE THE FINAL GRADE IN FRONT OF WALL, PLACE DRAINAGE AGGREGATE BEHIND THE UNITS TO REQUIRED THICKNESS.

INSTALL DRAINAGE COLLECTION PIPES AT BASE OF DRAINAGE AGGREGATE, WITH PERFORATION OR SLOTS FACING DOWN.

SLOPE DRAIN PIPE TO ALLOW GRAVITY FLOW OF WATER TO OUTSIDE THE WALL SYSTEM. OUTLETTING PIPES AS REQUIRED.

PLACE AND COMPACT REINFORCED BACKFILL BEHIND DRAINAGE AGGREGATE.

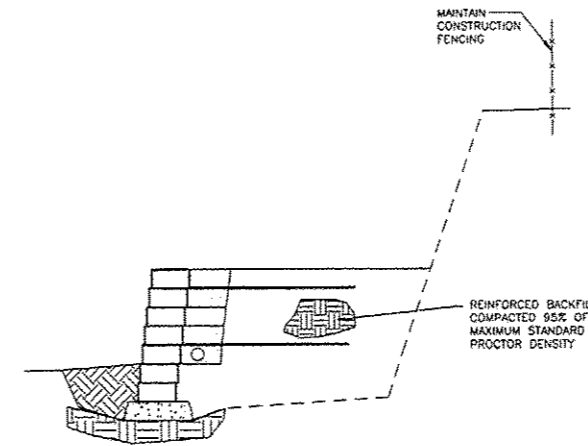


STEP 3

CONTINUE PLACEMENT OF WALL UNITS, GEOSYNTHETIC, DRAINAGE AGGREGATE AND REINFORCED BACKFILL BY REPEATING STEP 4 UNTIL WALL IS WITHIN ONE FOOT OF FINAL HEIGHT.

STACK NO MORE THAN THREE COURSES BEFORE BACKFILL IS PLACED BEHIND WALL.

COMPACT BACKFILL IN NO GREATER THAN 6" THICK LIFTS.



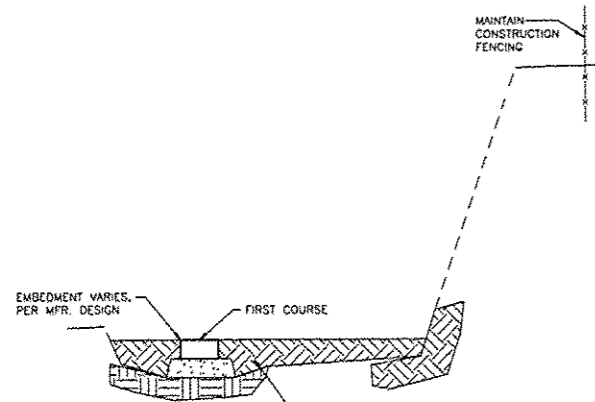
STEP 5

PLACE LOWEST COURSE OF WALL UNITS ON LEVELING PAD, SETTING UNIT SIDES AGAINST ADJACENT UNITS.

LEVEL UNITS SIDE-TO-SIDE, FRONT-TO-REAR, AND WITH ADJACENT UNITS.

CHECK ALIGNMENT ALONG BACK OF UNITS.

PLACE AND COMPACT BACKFILL IN FRONT AND BEHIND UNITS TO BE EMBEDDED BELOW FINAL GRADE.



STEP 2

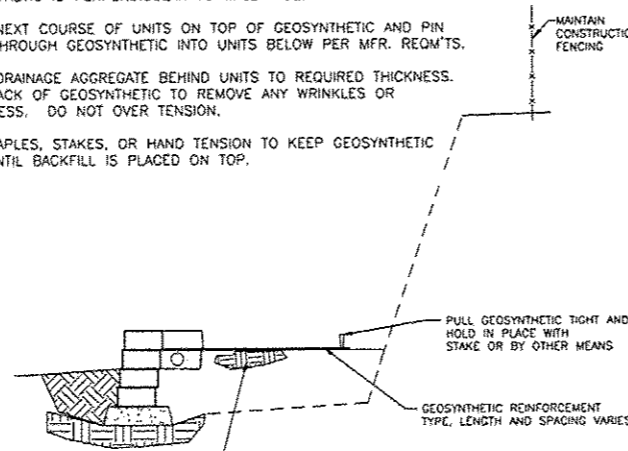
CONTINUE PLACING UNITS, DRAINAGE AGGREGATE AND REINFORCED BACKFILL, UNTIL REACHING HEIGHT OF GEOSYNTHETIC LAYER.

LAY THE REQUIRED LENGTH OF GEOSYNTHETIC HORIZONTALLY ON TOP OF THE UNITS, ENSURING HIGHEST STRENGTH DIRECTION OF GEOSYNTHETIC IS PERPENDICULAR TO WALL FACE.

PLACE NEXT COURSE OF UNITS ON TOP OF GEOSYNTHETIC AND PIN DOWN THROUGH GEOSYNTHETIC INTO UNITS BELOW PER MFR. REQ'TS.

PLACE DRAINAGE AGGREGATE BEHIND UNITS TO REQUIRED THICKNESS. PULL BACK OF GEOSYNTHETIC TO REMOVE ANY WRINKLES OR LOOSENESS. DO NOT OVER TENSION.

USE STAPLES, STAKES, OR HAND TENSION TO KEEP GEOSYNTHETIC TAUT UNTIL BACKFILL IS PLACED ON TOP.

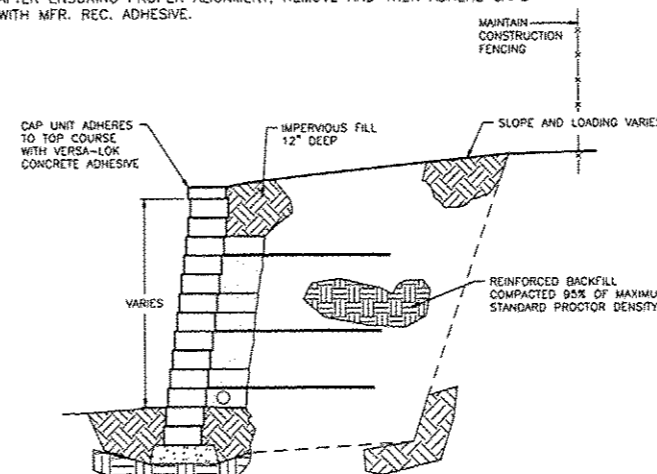


STEP 4

PLACE AND COMPACT IMPERVIOUS SOIL BEHIND THE TOP 12 INCHES OF THE WALL.

PLACE AND ALIGN CAP UNITS, WITH A SLIGHT OVERHANG, ON TOP COURSE.

AFTER ENSURING PROPER ALIGNMENT, REMOVE AND THEN ADHERE CAPS WITH MFR. REC. ADHESIVE.



STEP 6

KEY PLAN



PROJECT NORTH

NOTES

1. STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT.
2. BENCH CUT ALL EXCAVATED SLOPES.
3. CONTRACTOR SHALL ENSURE TEMPORARY EXCAVATIONS ARE STABLE AND PROVIDE EXCAVATION SUPPORT IF NEEDED. SITE SOILS ENGINEER TO VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN PARAMETERS. COST BY CONTRACTOR.
4. DRAINAGE PIPE SHALL BE PERFORATED OR SLOTTED PVC OR CORRUGATED HDPE PIPE.
5. REINFORCED BACKFILL SHALL BE FREE OF DEBRIS, ORGANIC SOIL, AND EXPANSIVE SOILS.
6. FOR UNITS TO BE EMBEDDED, COMPACT FILL IN FRONT OF UNITS AT THE SAME TIME FILL BEHIND UNITS IS COMPACTED.
7. COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY. (ASTM D-698).
8. COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED BY THE SOILS ENGINEER EMPLOYED BY CONTRACTOR
9. COMPACTION WITHIN 3FT. OF WALL SHALL BE LIMITED TO HAND OPERATED EQUIPMENT.
10. CONTRACTOR SHALL SLOPE SITE GRADES TO DIRECT SURFACE RUNOFF AWAY FROM WALL AT END OF EACH DAY TO AVOID WATER DAMAGING THE WALL WHILE UNDER CONSTRUCTION.
11. FOLLOW APPLICABLE PROVISIONS OF THE WALL UNIT AND GEOSYNTHETIC MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
12. IF SITE AND SOIL CONDITIONS, WALL GEOMETRY, OR WALL LOADINGS ARE DIFFERENT THAN IN THE DRAWINGS AND THE DESIGN PARAMETERS, THE CONTRACTOR MUST CONTACT THE WALL DESIGN ENGINEER PRIOR TO PROCEEDING WITH THE CONSTRUCTION OF THE WALL.
13. COMPLETE WALL DESIGN SHALL BE RESPONSIBILITY OF WALL MANUFACTURER.

GENERAL NOTES - MODULAR BLOCK WALLS

1116

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REVISION	DATE	BY	REMARKS
*1	03/22/13	TJA	IDOT COMMENTS FROM JAN. 28, 2013

DRAWN	T.J.A.
CHECKED	C.J.B.
APPROVED	C.J.B.

WINNEBAGO COUNTY
VILLAGE OF CHERRY VALLEY
PERRYVILLE PATH SOUTHEAST CONNECTION



MODULAR BLOCK RETAINING WALL NOTES

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-00302-00-BT	WINNEBAGO		
STA.	STA.		
WHA #: 1139001	DATE: 03/01/2013	124	123