

PLAN for PETER & LUCIA TUDISCO CAMBDEN CROSSING WAY SUBLUT No. 17 in CAMBDEN CREEK ESTATES PHASE 1 CONCORD TOWNSHIP LAKE COUNTY, OHIO

CONSTRUCTION ENTRANCE DETAIL

ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFI AREAS BUT NOT LESS THAN 50 FT.

THICKNESS— THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK.

60

6. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE EMTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE EMTRANCE FROM BEING DIRECTED OUT 7. WATER BAR- A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT

50' (OR 30' FOR INDIVIDUAL HOUSE LOT) AND NOT LESS THAN WIDTH OF PLAN RIGHT-OF-WAY DIVERSION AS NEEDED EDGE OF PAVEMENT

SEEDING & MULCHING SN RIM=1046, 97

CURVE DATA

CURVE RADIUS ARC CHORD BEARING 170, 00 37, 94 37, 86 N35*52' 39* W 30. 00 36. 33 34. 15 N76*57' 45' W 170, 00 21, 84 21, 83 \$64°39' 42' W

8. MAINTENANCE— TOP DRESSING OF ADMINIAL STONE SHALL BE APPLIED AS CONDITIONS DELAND, MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHENE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVAL SHALL BE ACCOMPLISHED BY SCRIPPING OR SWEPPING.

CONSTRUCTION ENTRANCES SHALL NO

BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING, VEHICLES THAT ENTER AND LEAVE THE

STORM CURB -

2. THE WOODEN FRAME IS TO BE CONSTRUCTED OF 2-FY-4-IN. CONSTRUCTION-GRADE LUMBER THE END SPACERS SHALL BE A MINIMUM OF T FT. BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NALED TO 2-BY-4-IN. STAKES DRIVEN ON THE OPPOSITE

3. THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FARRIC AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30 IN. AND 4 FT. LONGER THAN THE THROAT LENGTH OF THE INLET, 2 FT. ON EACH SIDE.

4. GEDTEXTRE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST

20 1 1 2 A 1 C 1 FLOW /

5. THE WIRE MESH AN GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE 2-BY-4-IN. FRAME.

6. TWO--INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MAINER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH.

CURB INLET PROTECTION DETAIL

<u>Maintenance</u>

The contractor shall inspect the erosion and sediment controls every seven (7) days or within 24 hours of a 0.5° or greater rainfall event.

Inlet Protection

Inlet protection shall be constructed before the storm drain becomes operational. The earth around the inlet shall be excavated completely to a depth of at least 18 inches. The 2-by-4 inch posts shall be driven i foot into the ground and the top portion of the 2-by-4 inch frame assembled using the overlap joint shown (see diagram on back). The top of the frame shall be 6 inches below grade of adjacent road if ponded water would pose a safety hazard to traffic. Geotextile shall have an equivalent opening size of 20-40 sieve and resistant to sunlight. It shall be stretched tightly around the frame and fastened securely. It shall be extended from the top of the frame

inches below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.

of the entire front side and any other down-gradient side of the lot shall be

Stabilization of critical areas within fifty (50) feet of any stream or

wetland shall be complete within two (2) days of the disturbance if the

Following completion of the construction activities, and the contractor

leaving the site, the site soils must be fully stabilized by temporary

Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet

of curb, at a width of thirty (30) feet (or 1 bail/300 sq/ft). Wood chips

maintained on the site once initial grading is complete.

seeding and/or mulching (or other acceptable process).

properly installed silt fence.

site is to remain inactive for longer than fourteen (14) days.

may also be used but must be spread at a minimum depth of four

inches over the thirty-foot width and must be accompanied by a

All grosion and sediment control specifications are based on The Ohio Department of Natural Resources 'Rainwater and Land Development Manual' and can be found in the Lake County Erosion and Sediment Control Rules as adopted Decemebr 21, 1999.

The specified erosion and sediment control standards are general guidelines and shall not limit the right of Lake County to impose at any time, additional, more strigent requirements. Nor shall the standards limit the right of the County to waive, inwriting, indivual requirements.

SPECIFICATIONS FOR TEMPORARY SEEDING

- STRUCTURAL EROSION- AND SEDIMENT-CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION-SITE.
- TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FROM 45 DAYS OR MORE, THESE IDLE AREAS SHOULD BE SEEDED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEEDED WITHIN 7 DAYS. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION
- 3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT
- SOIL AMENDMENTS-APPLICATIONS OF TEMPORARY VEGETATION SHALL ESTABLISH ADFQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.

- - 5. THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
 - RESOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

SEEDBED PREPARATION

- LIME-AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST. LIME SHALL BE APPLIED AT THE RATE OF 100 LB./1,000 SQ. FT. OR 2 TONS/AC.
- 2. FERTILIZER-FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, FERTILIZER SHALL BE APPLIED AT A RATE OF 12 LB./1,000 SQ. FT. OR 500 LB./AC. OF 10-10-10 OR 12-12-12 ANALYSIS.
- THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW. SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF NINE INCHES.

SILT FENCE DETAIL

2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.

3. TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.

. WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.

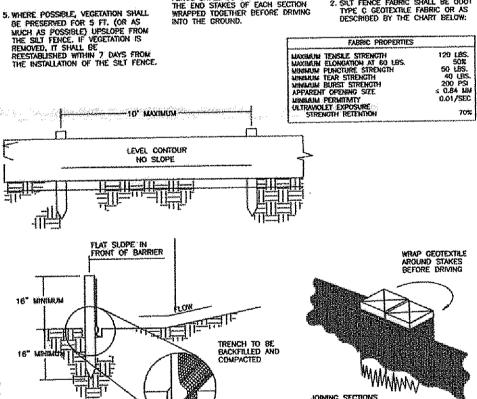
B. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT B IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAYON THE BOTTOM OF THE 6-IN.-DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.

7. THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIUM OF 6 IN. DEEP. THE TRENCH SWALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE ADEQUATELY UNIFORM TRENCH DEPTH.

9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

10. MAINTENANCE - SILT FENCE SHALL ALOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEKTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONLE OF THE FOLLOWING SHALL BE GEOGRAPHED A ADDRAGDATE. 1) THE ONE OF THE SOLLOWING SHALL BE PERFORMED AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE FEMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

CRITERIA FOR SILT FENCE MATERIALS FENCE POSTS - THE LENGTH SHALL



CERTIFICATION

I,THE UNDERSIGNED,HEREBY CERTIFY THAT I HAVE PREPARED THIS PLAN AND THE INCOMES TO THE SHOWN HEREON IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF

REN F. DRESCHERSV/390 OF SURVEYOR No.7390 WARREN F. DRESCHERSV/390 OHIO SURVEYOR No.7390

DRESCHER & ASSOCIATES 5250 SOUTH AVENUE YOUNGSTOWN, OHIO 44512 Phone (330) 788-9811 FAX (330) 788-7620 J□B No. 79-91-11 DATE: MARCH 30, 2011

REVISED APRIL 6, 2011 PAGE 2 of 2 PAGES