

EROSION CONTROL PLAN & SCHEDULE

SILT FENCE TO BE INSTALLED PRIOR TO ANY EARTHWORK ACTIVITY, IN LOCATION SHOWN ON PLANS, PER DETAIL.

STONE SHALL BE INSTALLED IN FUTURE DRIVEWAY AREA 20 FEET WIDE AND 50 FEET LONG TO PREVENT VEHICLES FROM TRACKING SEDIMENT OFF THIS SITE. MOSES AND EDGES TO BE LIMITED TO THIS AREA ONLY.

SEEDING AND MULCHING SHALL BE FUNCTIONAL THROUGHOUT ALL PHASES OF EARTH DISTURBING ACTIVITY. SETTLING FACILITIES, PERIMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN (7) DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE DISTURBED AREA IS PERMANENTLY RESTABILIZED.

DISTURBED AREAS SHALL HAVE SOIL STABILIZATION WITHIN NO MORE THAN SEVEN (7) DAYS IF THEY ARE TO REMAIN DOMINANT UNDISTURBED FOR MORE THAN THIRTY-FIVE (35) DAYS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN NO MORE THAN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. AND SHALL ALSO BE APPLIED WITHIN NO MORE THAN SEVEN (7) DAYS TO DISTURBED AREAS WHICH MAY NOT BE AT FINAL GRADE, BUT WILL REMAIN DOMINANT FOR LONGER THAN THIRTY-FIVE (35) DAYS.

STABILIZATION OF CRITICAL AREAS WITHIN 50 FEET OF ANY STREAM OR WETLAND SHALL BE TEMPORARILY STABILIZED WITHIN TWO (2) DAYS OF DISTURBANCE. IF AREA WILL REMAIN INACTIVE FOR FOURTEEN (14) DAYS OR LONGER, CONSTRUCTION VEHICLES SHALL AVOID STREAMS AND THEIR BUFFER AREAS. IF ANY ACTIVE DRAINAGE MAY BE CROSSED BY CONSTRUCTION VEHICLES REPEATEDLY DURING CONSTRUCTION, AN APPROVED TEMPORARY STREAM CROSSING SHALL BE CONSTRUCTED.

SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED TO PREVENT SOIL LOSS. STABILIZATION SHALL BE REQUIRED IF STOCKPILES ARE LOCATED WITHIN CRITICAL AREAS, NEAR STREAMS OR WETLANDS, OR IF DETERMINED BY THE ADMINISTRATOR THAT SEDIMENT FROM STOCKPILES WILL LEAVE THE SITE.

SEEDING AND EROSION CONTROLS SHALL BE INSPECTED BY THE OWNER OR HIS/HER AGENT EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. A WRITTEN LOG OF THESE INSPECTIONS AND IMPROVEMENTS TO CONTROLS SHALL BE KEPT ON SITE. THESE INSPECTIONS SHALL INCLUDE THE DATE OF INSPECTION, NAME OF INSPECTOR, WEATHER CONDITIONS, THE ACTIONS TAKEN TO CORRECT ANY PROBLEMS AND THE DATE ACTIONS WERE TAKEN.

MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RAINWATER IS NOT CHECKED BY SEDIMENT CONTROLS, OR ONTO PUBLIC ROADS. WHERE SOIL IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY, OR MORE FREQUENTLY AS NECESSARY. SOIL SHALL BE REMOVED FROM PAVED SURFACES BY SHOVELING OR SWEEPING. STREET WASHING SHALL BE ALLOWED ONLY AFTER MOST SEDIMENT HAS BEEN REMOVED BY SHOVELING OR SWEEPING.

THE ABOVE SPECIFIED EROSION CONTROL STANDARDS ARE GENERAL GUIDELINES AND SHALL NOT LIMIT THE RIGHT OF THE COUNTY TO IMPOSE, AT ANY TIME, ADDITIONAL, MORE STRINGENT REQUIREMENTS. NOR SHALL THE STANDARDS LIMIT THE RIGHT OF THE COUNTY TO WAIVE, IN WRITING, INDIVIDUAL REQUIREMENTS.

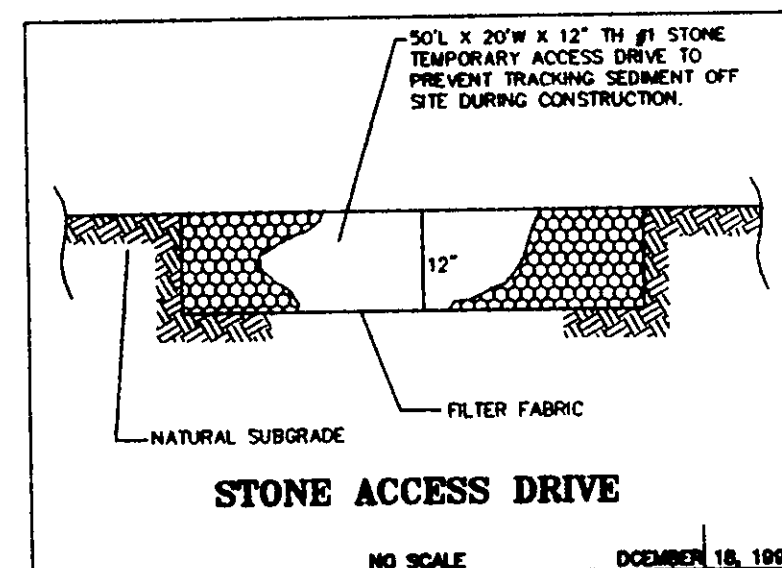
PERMANENT SEEDING TO BE INSTALLED AFTER ALL CONSTRUCTION ACTIVITY IS COMPLETE.

SEEDING AND MULCHING NOTES

SEEDING AND MULCHING SHALL BE ACCOMPLISHED BY SEEDING AND MULCHING IMMEDIATELY UPON COMPLETION OF EXCAVATION OF TRENCHES AND FINISHED GRADING IN ACCORDANCE WITH ITEM NO. 659 OF THE STANDARD SPECIFICATIONS AND MATERIAL SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

THE FOLLOWING MIXTURE SHALL BE USED FOR SEEDING IN ACCORDANCE WITH ITEM NO. 659:

KENTUCKY BLUE GRASS - 40%
 CREeping RED FESCUE - 40% 3#/1000 SF
 PERENNIAL RYEGRASS - 20%
 FERTILIZER - 20#/1000 SF (12-12-12)
 MULCH - STRAW / 3 TONS / ACRE

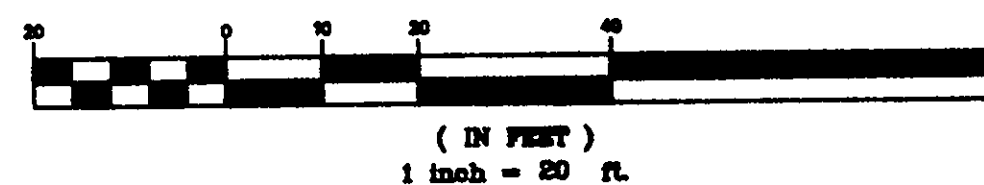


NOTES: DRIVE APRON AND SIDEWALK @ APRON TO BE 6" THICK CONCRETE;
 -4" CONC. WALK TO BE 4" THICK
 -DOWNSPOUTS TO BE OUTLETTED TO SPLASHBLOCKS

NOTE: THE CONTRACTOR/BUILDER SHALL NOTIFY THE APPROVING ENGINEER IF GROUNDWATER IS OBSERVED DURING THE EXCAVATION OF THE BASEMENT.
 -Contractor To Verify Depth And Location Of Utility Connections;
 -See Architect Plans For Complete House Dimensions.



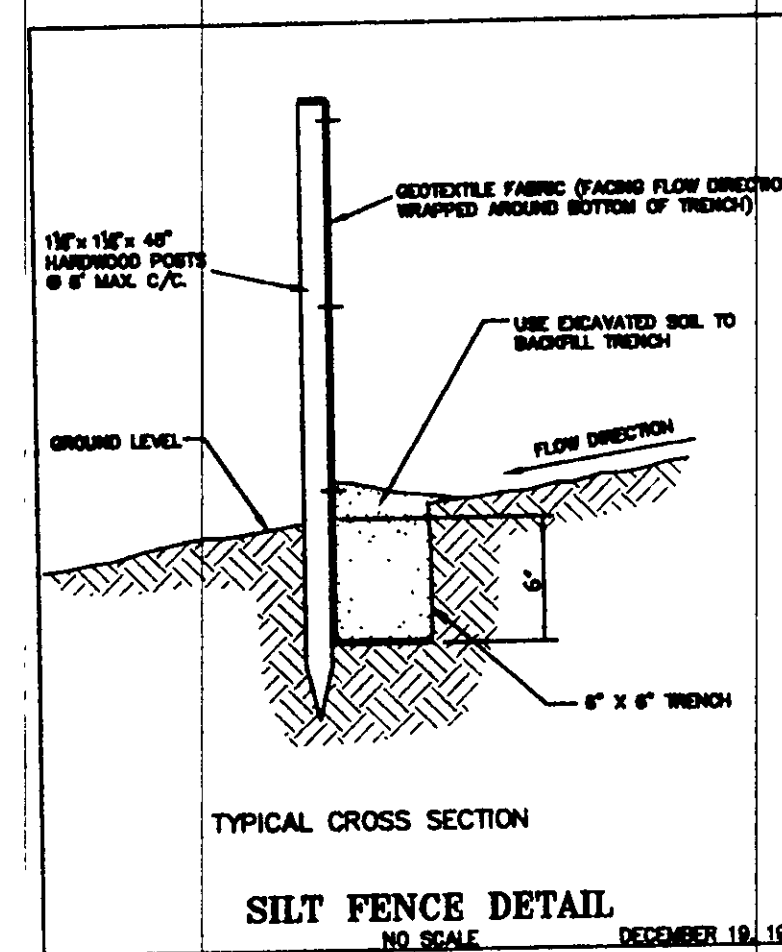
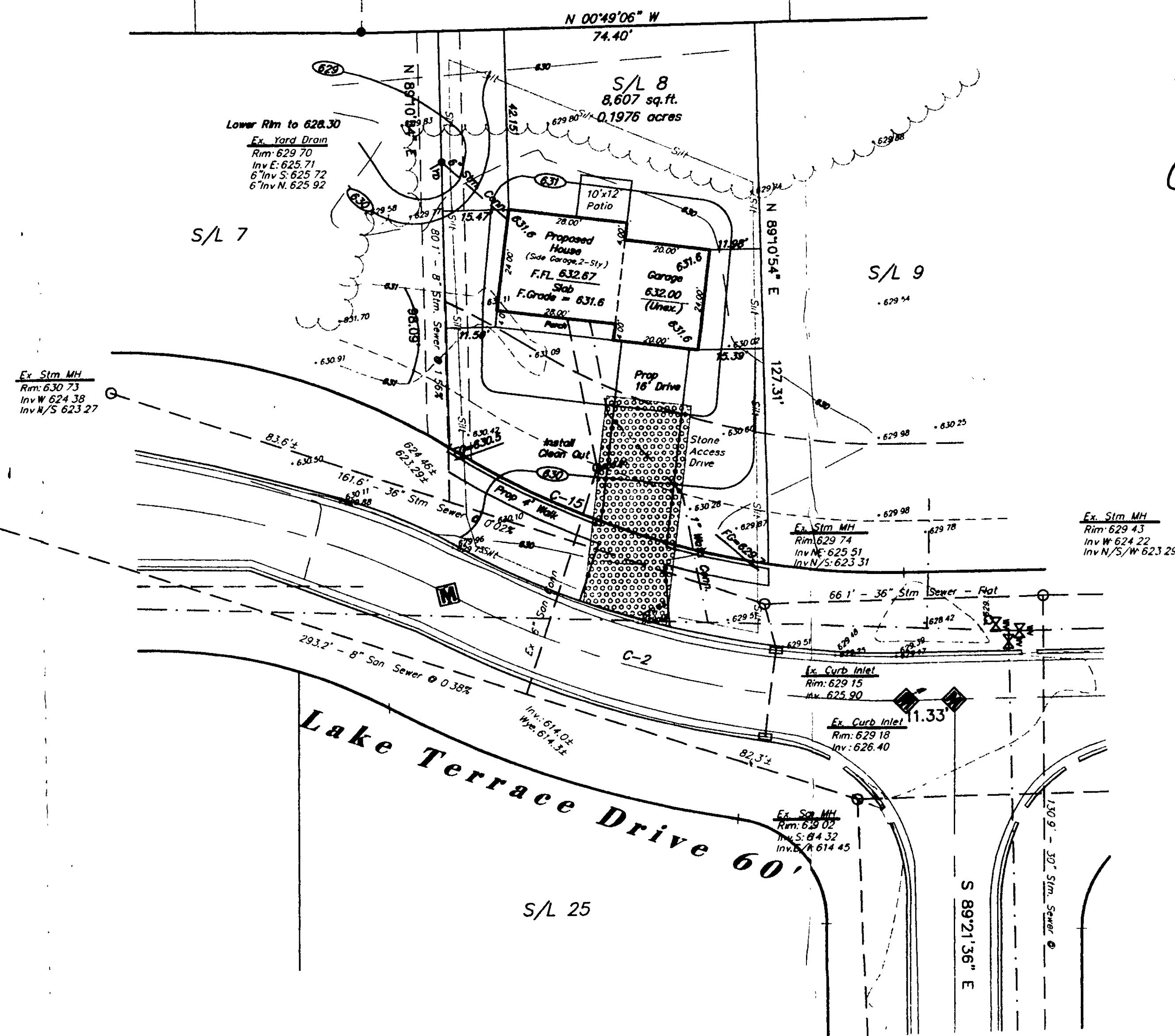
GRAPHIC SCALE



Basis of Bearings is the Subdivision Plat of Shorewoods Subdivision Phase No.1

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS TOPOGRAPHY, INDICATED BY 8", 1", OR 2" CONTOURS, AND ELEVATIONS SHOWN HEREON, REPRESENT AN ACTUAL FIELD SURVEY MADE BY ME ON THE DAY OF 2000, AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY WERE AS INDICATED HEREON.

James R. Pegoraro, Jr. S.E. 0130



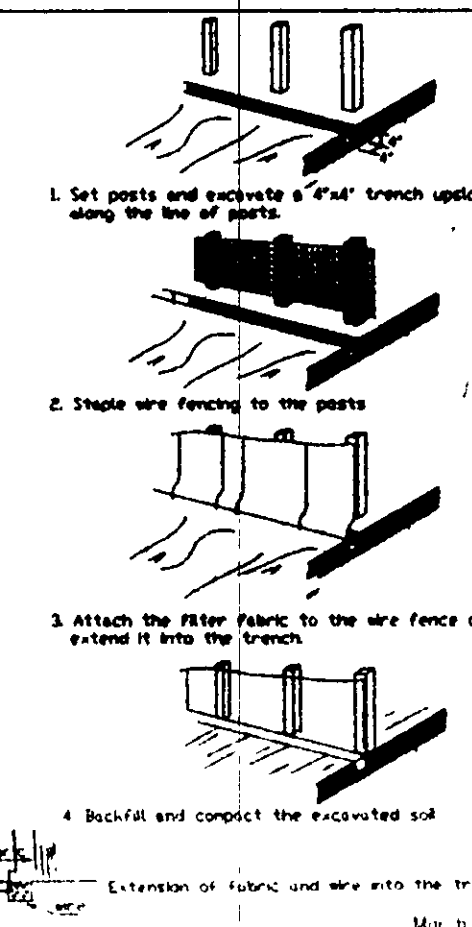
SILT FENCE This sediment barrier utilizes standard strength or extra strength synthetic filter fabrics. It is designed for situations in which only sheet or overland flows are expected. See diagram.

- The height of a silt fence shall not exceed 36 inches (higher fences may impound volumes of water sufficient to cause failure of the structure).
- The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joint. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum 6-inch overlap, and securely sealed.
- Posts shall be spaced a maximum of 10 feet apart at the barrier location and driven securely into the ground (minimum of 12 inches). When extra strength fabric is used without the wire support fence, post spacing shall not exceed 6 feet.
- A trench shall be excavated approximately 4 inches wide and 4 inches deep along the line of posts and upstream from the barrier.
- When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples of at least 1 inch long two wires of hog rings. The wire shall extend into the trench a minimum of 2 inches and shall not extend more than 36 inches above the original ground surface.
- The standard strength filter fabric shall be stapled or wired to the fence, and 8 inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to the existing trees.
- When extra strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such case, the filter fabric is stapled or wired directly to the posts with all other provisions of item No. 6 applying.
- The trench shall be backfilled and soil compacted over the filter fabric.
- Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

MAINTENANCE

- Silt fences and filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly.
- Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
- Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be removed, leaving the area in place with the existing grass, prepared and seeded.

SILT FENCE



SITE PLAN

For : Lake County Community Development
 CLIENT
 101 Carmody Drive Painesville, OH 44060
 ADDRESS STREET CITY
 8 Lake Terrace Estates Subd. Ph.2
 SUBLOT No. SUBDIVISION NAME VOL. PAGE
 LOT TRACT Painesville Twp. OHIO
 CITY/TOWNSHIP

Prepared By:
LAND DESIGN consultants
 Civil Engineers and Surveyors
 6845 EAST AVENUE • MONTON, OHIO 44060
 TELEPHONE 288-8483 354-8838 801-LAND

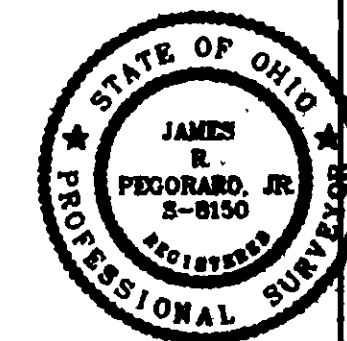
DESIGN CERTIFICATION

THIS PLAN WAS PREPARED BY ME, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

James R. Pegoraro, Jr. 3-11-02
 NAME

CHECK LIST

LOT INFORMATION & RELATIONSHIP TO ADJACENT STREET
 (a) LOT AREA (sq. ft.)
 (b) LOT AREA (acres)
 (c) LOT AREA (sq. ft.)
 (d) LOT AREA (acres)
 (e) LOT AREA (sq. ft.)
 (f) LOT AREA (acres)
 (g) LOT AREA (sq. ft.)
 (h) LOT AREA (acres)
 (i) LOT AREA (sq. ft.)
 (j) LOT AREA (acres)
 (k) LOT AREA (sq. ft.)
 (l) LOT AREA (acres)
 (m) LOT AREA (sq. ft.)
 (n) LOT AREA (acres)
 (o) LOT AREA (sq. ft.)
 (p) LOT AREA (acres)
 (q) LOT AREA (sq. ft.)
 (r) LOT AREA (acres)
 (s) LOT AREA (sq. ft.)
 (t) LOT AREA (acres)
 (u) LOT AREA (sq. ft.)
 (v) LOT AREA (acres)
 (w) LOT AREA (sq. ft.)
 (x) LOT AREA (acres)
 (y) LOT AREA (sq. ft.)
 (z) LOT AREA (acres)



"AS BUILT" CERTIFICATION

I HEREBY CERTIFY THAT THE CIRCLED INFORMATION IS EXISTING AS OBTAINED ON THE SITE AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME

LEGEND

STONE MANHOLE
 SANITARY MANHOLE
 EXISTING CONTOURS
 PROPOSED CONTOURS
 EXIST. ELEV. 100.0
 F.A. 100.0 = PROP. ELEV.
 DIRECTION OF SURFACE DRAINAGE

DRAWN BY	SCALE
Jrp/Site-8	1"=20'
CHECK BY/FIELD	DATE
Rot	Aug, 2002
1	Site & Grade 9/19/02
2	

BENCHMARK:

TBM: RIM OF SANITARY MANHOLE AS SHOWN
 ELEVATION = 630.42

Grading Plan Approved
 as shown and/or noted
 JAMES R. GILLS, P.E.
 Lake County Engineer
 By: *James R. Gills* Date: 8/28/02

PAINESVILLE TOWNSHIP
 ENGINEER
LM3052
Whit

RECEIVED
 MAR 19 2003

EXISTING UNDERGROUND UTILITIES NOTE:
 THE SIZE, LOCATION, BOTH HORIZONTAL AND VERTICAL OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, LDC INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

2 WORKING DAYS
 BEFORE YOU DIG
 CALL TOLL FREE 800-362-2764
 OHIO UTILITIES PROTECTION SERVICE

SA 2
 DWG. NAME
 Lakec2-9901