EROSION CONTROL PLAN & SCHEDULE

SILT FENCE TO BE INSTALLED PRIOR TO ANY EARTHWORK ACTIVITY IN THE AREAS SHOWN ON PLAN - PER DETAIL

STONE SHALL BE INSTALLED IN FUTURE DRIVEWAY AREA 30 FEET WIDE AND 50 FEET LONG TO PREVENT VEHICLES FROM TRACKING SEDIMENT OFF THE SITE ROADWAY AND EXPRESS TO BE LIMITED TO THIS AREA ONLY

SEDIMENT CONTROL PRACTICE SHALL BE FUNCTIONAL THROUGHOUT ALL STAGES OF EARTH DISTURBANCE ACTIVITY. BUFFERS, FACILITIES, SEDIMENT 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 EARTHWORK. THEY SHALL CONTAIN TO DISTURBED AREA UNTIL THE DISTURBED AREA IS PERMANENTLY REVEGETATED

DISTURBED AREAS SHALL HAVE FINAL STABILIZATION WITHIN NO MORE THAN SEVEN (7) DAYS OF THEIR ARE NO REMAIN DISTURBED UNDISTURBED FOR MORE THAN THIRTY FIVE (35) DAYS. PERMANENT OR TEMPORARY 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 APPLIED WITHIN NO MORE THAN SEVEN (7) DAYS TO DISTURBED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT ARE REMAIN DORMANT FOR LONGER THAN THIRTY-FIVE (35) DAYS.

FABRICATION OF CRITICAL AREA WITHIN 50 FEET OF ANY STREAM OR WETLAND SHALL BE TEMPORARILY STABILIZED WITHIN TWO (2) DAYS OF BY THEIRWAYS IF AND WILL REMAIN DORMANT FOR FOURTEEN (14) DAYS OR LONGER. CONSTRUCTION VEHICLES SHALL AVOID STREAMS AND THEIR BUFFER AREAS IF ANY ACTIVE STREAMS WILL IMPACT OR CROSSED BY CONSTRUCTION VEHICLES. DEPARTED FROM THE NO DISTURBED TEMPORARY STREAM CROSSING SHALL BE CONTROLLED

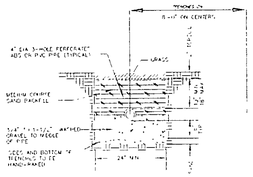
THE DRAINAGE SHALL BE STABILIZED OR PROTECTED TO PREVENT THE EROSION. STABILIZATION SHALL BE REQUIRED IF CHANNELS ARE LOCATED WITHIN CRITICAL AREA OR WETLAND. THE NO OF WETLANDS ARE DETERMINED BY THE ADMINISTRATOR THAT IDENTIFY FROM CONTROL WILL LEAVE THE SITE

SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED BY THE OWNER OR HIS REPRESENTATIVE EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAIN OF 0.5 INCHES OR GREATER. A WRITTEN LOG OF THE INSPECTIONS AND IMPROVEMENTS TO CONTROLS SHALL BE KEPT ON SITE. THE LOG SHALL INCLUDE THE DATE OF INSPECTION, THE NAME OF THE INSPECTOR, WEATHER CONDITIONS, THE ACTIONS TAKEN TO CORRECT DEFICIENCIES AND THE DATE ACTION WAS TAKEN

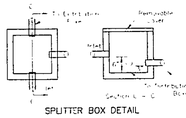
SILT FENCE SHALL BE TAKEN TO PREVENT THE TRANSPORT OF SEDIMENT FROM DISTURBED AREAS. SILT FENCE SHALL BE REMOVED WHEN DISTURBANCE IS FINISHED AND THE AREA IS STABILIZED. SILT FENCE SHALL BE REMOVED FROM PLACE THE DISTURBANCE HAS BE CLEANED. DISPOSE OF AT THE END OF EROSION CONTROL PROCEDURES IN ACCEPTABLE WAYS. SILT FENCE SHALL BE REMOVED FROM PLACE. THE AREAS OF SEDIMENT ACCUMULATION. STREET WASHING SHALL BE ALLOWED ONLY AFTER SILT SEDIMENT HAS BEEN REMOVED BY SHOVELING OR SWEEPING

THE ABOVE REFERENCED CONTROL STANDARDS ARE SUBJECT TO REVIEW AND MAY NOT LIMIT THE RIGHT OF THE OWNER'S ENGINEER TO USE THE NECESSARY MEASURES TO PREVENT THE SITE FROM BECOMING A NUISANCE DURING CONSTRUCTION

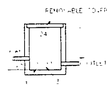
[illegible]



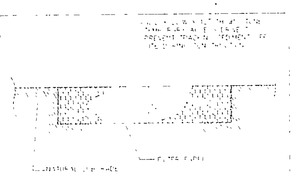
TYPICAL EVAPOTRANSPIRATION TRENCE DETAIL



SPLITTER BOX DETAIL

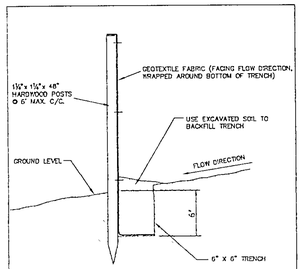


DISTRIBUTION BOX SECTION



STONE ACCESS DRIVE

NO SCALE DECEMBER 18, 1997



TYPICAL CROSS SECTION

SILT FENCE DETAIL

NO SCALE DECEMBER 19, 1997

SEPTIC NOTES:

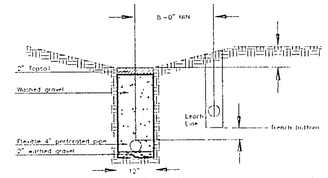
1) Aeration and pumping units (as per installer) shall comply with the specifications of the Lake County General Health District.

2) The design of this septic sysytem is based upon regulations established by the the Lake County General Health District and in compliance with their recomendation for design. This plan represents their recomendation and is for the sole purpose of establishing grades, Isolations and other particulars of the Healyh Districts Regulations and does not constitute anf warranty or guarantee of the system or its capability to function in conformance with any regulations by any regulatory agency.

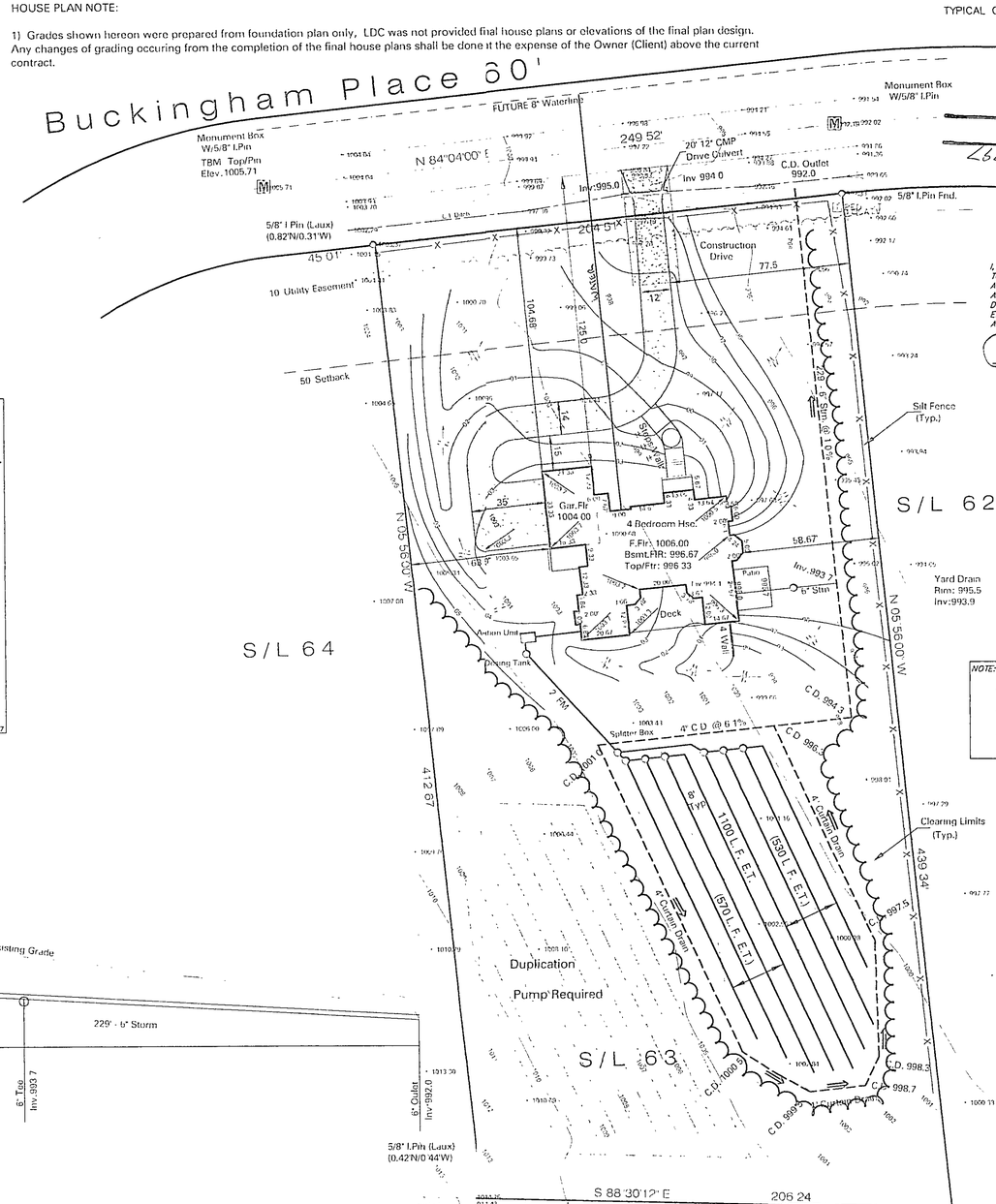
3) Per the dirctive of the Client, the design of this site and septic sysytem was completed prior to county site evaluation and soils investigation. Any changes based on further site investigation or health department comments is not the responsibility of Land Design Consultants.

HOUSE PLAN NOTE:

1) Grades shown hereon were prepared from foundation plan only, LDC was not provided final house plans or elevations of the final plan design. Any changes of grading occuring from the completion of the final house plans shall be done at the expense of the Owner (Client) above the current contract.



TYPICAL CURTAIN DRAIN CROSS SECTION



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.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS TOPOGRAPHY, INDICATED BY 6', 1', OR 2' CONTOURS, AND ELEVATIONS SHOWN HEREON, REPRESENT AN ACTUAL FIELD SURVEY MADE BY ME ON THE 18th DAY OF February, 2004 AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY EXISTED AS INDICATED HEREON.

James R. Pegoraro, Jr. P.S.#7151

SITE PLAN

For : Hanna Homes
CLIENT

6909 Weatherby Drive — Mentor
ADDRESS STREET — CITY

63 — Mount Royal #3 — 11 — 9
SUBLOT No. — SUBDIVISION NAME — VOL. — PAGE

12 — 4 — Concord Twp — OHIO
LOT — TRACT — CITY/Township

Prepared By
LAND DESIGN CONSULTANTS
Civil Engineers and Surveyors
8520 East Avenue • Mentor, Ohio 44060
Telephone 255-8994 • Fax 255-8996

DESIGN CERTIFICATION

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

4-27-04
DATE

CHECK LIST

1ST DIMENSIONS & LOCATIONS
FT. TO NEAREST SECTION
SETBACK MIN. (PARCEL INV.)
INTERIOR DIMENSIONS
EXTERIOR DIMENSIONS
EXTERIOR GRADES
FIRST & SECOND FLOOR ELEVATIONS
BASEMENT FLOOR ELEVATIONS
GARAGE FLOOR ELEVATIONS
WATER MAIN SIZE, LOCATION
SAN. SEWER SIZE, & GRADE LOCATION
SAN. SEW. EXIST. INV. ELEV.
SAN. SEWER SIZE, & GRADE LOCATION
STORM SEWER SIZE, & GRADE LOCATION
STORM INV. ELEV. EXIST. INV. ELEV.
PAVED TYPE, SIZE, LOCATION
GAS LINE SIZE, TYPE
SEPTIC SYSTEM & LOCATION
WELL LOCATION & LOCATION DISTANCE

STATE OF OHIO — JAMES R. PEGORARO II — 7151 — REGISTERED PROFESSIONAL ENGINEER

"AS BUILT" CERTIFICATION

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

NAME

LEGEND

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

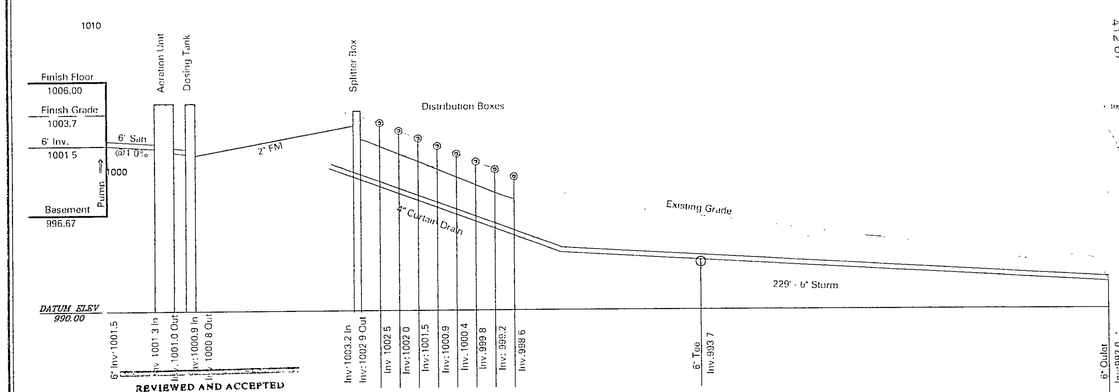
DRAWN BY	SCALE
S Jrp	1"=30'
CHK'D BY/FIELD	DATE
	Feb. 2004

1	Site/Grde 3/30/04
2	Rev's per owner 4/7/04

ACCEPTED: CLIENT DATE

BENCHMARK:

Top Iron Pin at P.C. as shown



REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL HEALTH DISTRICT
Date 7-29-04

SEWAGE DISPOSAL PERMIT MUST BE OBTAINED BY A LAKE COUNTY LICENSED INSTALLER BEFORE INSTALLATION IS STARTED.

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

Hydraulic Profile
Horiz.: 1"=30'
Vert.: 1"=5'

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

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

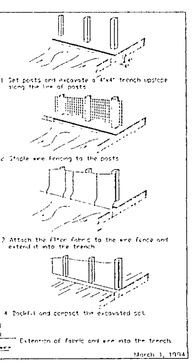
Mount Royal #1
Vol.18, Pg. 18

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 flow are expected. See diagram.

1. 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.)
2. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum 6-inch overlap, and securely sealed.
3. 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.
4. A trench shall be excavated approximately 4 inches wide and 4 inches deep along the line of posts and upslope from the barrier.
5. 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 at least 1 inch long, tie wires or hog rings. The wire shall extend into the trench a minimum of 2 inches and shall not extend more than 34 inches above the original ground surface.
6. 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.
7. 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.
8. The trench shall be backfilled and soil compacted over the filter fabric.
9. Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

MAINTENANCE

1. 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.
2. 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.
3. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
4. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be graded to conform with the existing grade, prepared and seeded.



SILT FENCE
NO SCALE
March 1, 1994

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engr.
By 080304

ROOF DRAINS SHALL DISCHARGE TO SPLASH BLOCKS.

DWG. NAME
Hannh1-0401