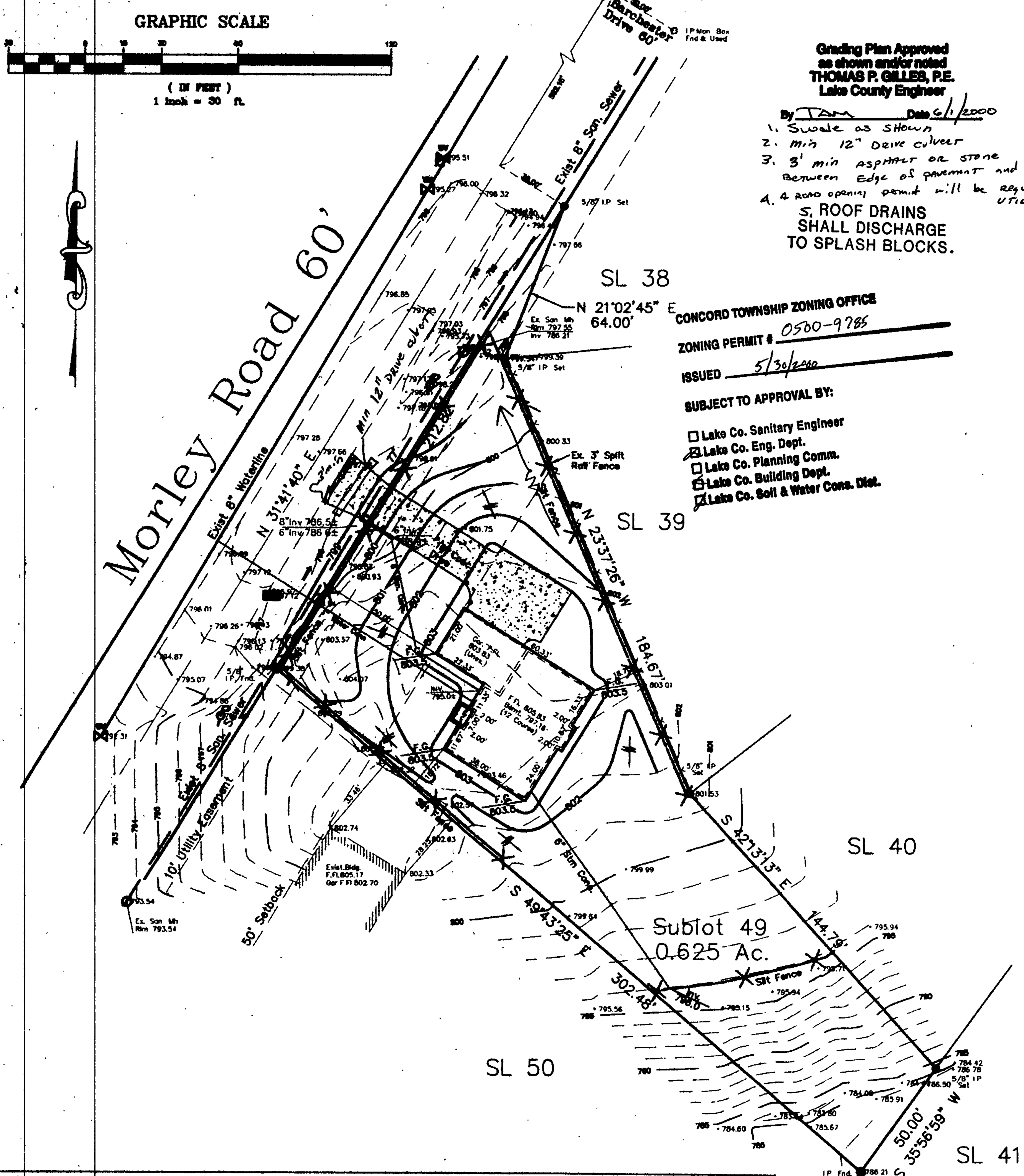
GRAPHIC SCALE

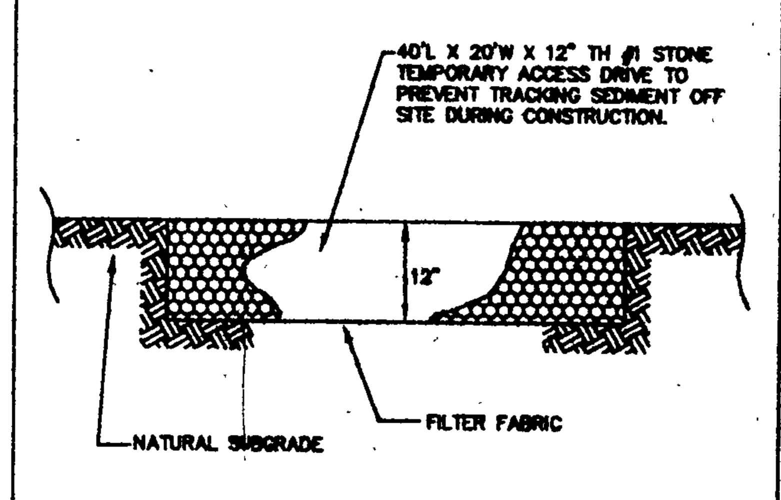
(IN FEET)
1 inch = 30 ft.



Grading Plan Approved
as shown and/or noted
THOMAS P. GILLES, P.E.
Lake County Engineer

By TAM Date 6/1/2000
1. Swale as shown
2. min 12" Drive culvert
3. 3' min asphalt or stone between edge of pavement and concrete
4. A road opening permit will be required for utility work in R/W
5. ROOF DRAINS SHALL DISCHARGE TO SPLASH BLOCKS.

CONCORD TOWNSHIP ZONING OFFICE
ZONING PERMIT # 0500-9785
ISSUED 5/30/2000
SUBJECT TO APPROVAL BY:
☐ Lake Co. Sanitary Engineer
☒ Lake Co. Eng. Dept.
☐ Lake Co. Planning Comm.
☐ Lake Co. Building Dept.
☒ Lake Co. Soil & Water Cons. Dist.



STONE ACCESS DRIVE

NO SCALE DCEMBER 18, 1997

TEMPORARY SEEDING		
MARCH 1'ST TO AUGUST 15TH	PER 1000 SQUARE FEET	PER ACRE
1. OATS OR ANNUAL RYEGRASS	3 POUNDS	131 POUNDS
2. PERENNIAL RYEGRASS	3 POUNDS	131 POUNDS
3. TALL FESCUE	1 POUND	43 POUNDS
AUGUST 16'TH TO NOVEMBER 1'ST	PER 1000 SQUARE FEET	PER ACRE
1. CEREAL RYE OR WHEAT	3 POUNDS	131 POUNDS
2. 50/50 MIX PERENNIAL RYEGRASS & ANNUAL RYEGRASS	3-3-6 POUNDS	262 POUNDS
3. TALL FESCUE	1 POUND	43 POUNDS

TABLE 5.07-A
ORGANIC MULCH MATERIALS AND APPLICATION RATES

MULCHES:	RATE: PER ACRE	RATE: PER 1000 S.F.	NOTES:
STRAW OR HAY	2 TONS (MINIMUM 3 TONS FOR WINTER COVER)	90 LBS. SEE ODOT ITEM 659.09	FREE FROM WEEDS AND COURSE MATTER. MUST BE ANCHORED. SPREAD WITH MULCH BLOWER OR BY HAND.
FIBER MULCH	MINIMUM 1500 LBS.	35 LBS.	DO NOT USE AS MULCH FOR WINTER COVER OR DURING HOT, DRY PERIODS. *APPLY AS SLURRY.
CORN STALKS	4-6 TONS	185-275 LBS.	CUT OR SHRED IN 4-6" LENGTHS. AIR-DRIED. DO NOT USE IN FINE TURF AREAS. APPLY W/MULCH BLOWER OR BY HAND.
WOOD CHIPS	4-6 TONS	185-275 LBS.	FREE OF COURSE MATTER. AIR-DRIED. TREAT W/12 LBS. NITROGEN PER TON. APPLY W/MULCH BLOWER, CHIP HAND., OR BY HAND.
BARK CHIPS OR SHREDDED BARK	50-70 CU. YDS.	1-2 CU. YDS.	FREE OF COURSE MATTER. AIR-DRIED. APPLY WITH MULCH BLOWER, CHIP HANDLER, OR BY HAND.

* WHEN FIBER MULCH IS THE ONLY AVAILABLE MULCH DURING PERIODS WHEN STRAW SHOULD BE USED, APPLY AT A MINIMUM RATE OF 2000 LBS/ACRE OR 45 LBS/1000 S.F.

TENPORARY SEEDING AND MULCH MATERIALS

NO SCALE DEC. 17, 1999

SITE DESCRIPTION (MARK ONE)

SUBDIVISION (X) RESIDENTIAL
COMMERCIAL ( )
RESIDENTIAL ( )
P.U.D. ( )
OTHER ( )

TOTAL AREA
PRE-DEV. RUNOFF COEFF.
AREA TO BE CLEARED
AREA TO BE DISTURBED
POST DEV. RUNOFF COEFF.

SOIL TYPES:

SITE LOCATION INFORMATION

CONCORD CITY VILLAGE TOWNSHIP — LAKE COUNTY — OHIO STATE

NAME OF WATERSHED/RECEIVING WATER(S)

SITE ADDRESS — ZIP CODE — OEPA STORM WATER GENERAL PERMIT #

DEVELOPER — PHONE NUMBER

DEVELOPER'S ADDRESS

ACCEPTABLE EROSION CONTROL TIMETABLE

[illegible]

** SEEDING INSTALLED FROM MAY 15 - AUG. 15 WILL REQUIRE ADDITIONAL WATERING TO PROMOTE SEED GROWTH. MULCH MAY ALSO BE USED TO HOLD MOISTURE.

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

[illegible]

EROSION CONTROL TIMETABLE

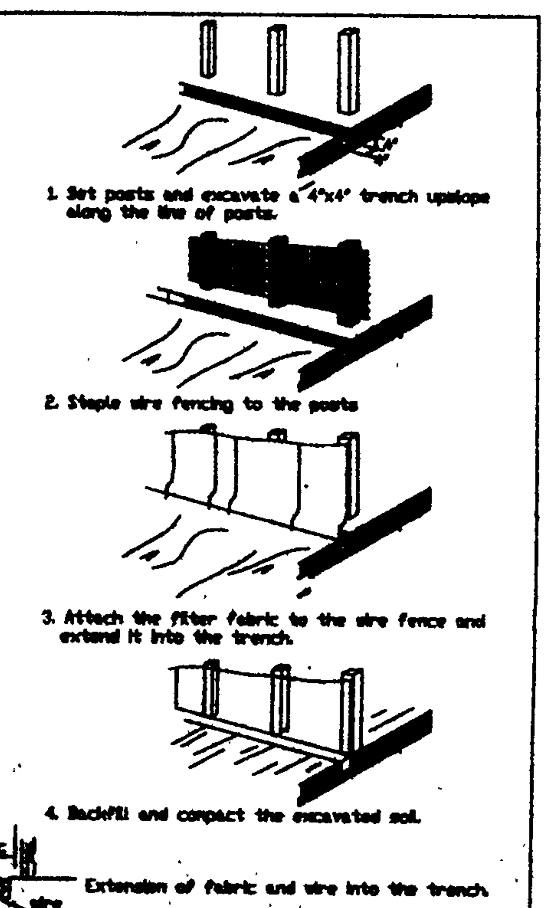
NO SCALE DEC. 17, 1999

SILT FENCE: This sediment barrier utilizes standard strenght or extra strength synthetic filter fabrics. It is designed for situations in which only sheet or overland flows 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 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.
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 upsloped 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 of hog rings. The wire shall extend into the trench a minmum of 2 inches and shall not extend more than 36 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 no exceed 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 usefull purpose, but not before the upslope area has been permantly stabilized.

MAINTENANCE

1. Silt fences and filter barriers shall be inspected immediatley after each rainfall and at least daily during prionged rainfall. Any required repairs shall be made immediatly.
2. Should the fabric on a silt fence of filter barrier decompose or become ineffective prior to the end of the expeced usuable life and the barrier is still necessary, the fabric shall be replaced promptly.
3. Sediment deposits should be remove after each storm event. They must be removed when deposits reach approximatly 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 dressed to conform with the existing grade, prepared and seeded.



SILT FENCE

NO SCALE March 1, 1994

SEEDING AND MULCHING

ALL AREAS DISTURBED BY CONSTRUCTION OF THIS PROJECT SHALL BE SEEDED AND MULCHED ACCORDING TO ODOT ITEM #659 USING A MIXTURE APPROVED BY THE LAKE SOIL AND WATER CONSERVATION DISTRICT. (SEE EROSION CONTROL ITEMS)

EROSION CONTROL

SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND MULCHING TO ALL DISTUNBED AREAS IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISH GRADING IN ACCORDANCE WITH ODOT ITEM 659 AND/OR AS DESIGNATED BY THE LAKE , SOIL AND WATER CONSERVATION DISTRICT.

CONTRACTOR SHALL COMPLY WITH THE MAINTEMANCE SCHEDULE INCLUDED IN THE APPROVED PLANS FOR THE PROPOSED EROSION CONTROLS.

APPROPRIATE EROSION CONTROL METHODS MUST BE IN PLACE PRIOR TO ANY EARTHWORK COMMENCING.

DETENTON PONDS, SEDIMENT PONDS AND PERIMETER SEDIMENT CONTROLS 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 DISTURBED AREAS ARE RE-ESTABLISHED.

DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR A PERIOD OF FORTY FIVE (45) DAYS OR LONGER SHALL BE STABILIZED WITH SEEDING AND MULCHING, OR OTHER APPROPRIATE MEANS, WITHIN SEVEN (7) DAYS AFTER EARTH MOVING CEASES.

ADDITIONAL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL MAINTENANCE AND INSPECTIONS ON A WEEKLY BASIS AND AFTER ALL [illegible]

2. THE CONTRACTOR SHALL LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY [illegible]

3. [illegible]

4. [illegible]

5. [illegible]

6. [illegible]

7. IN THE EVENT THAT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE, CARELESSNESS, OR FAILURE TO INSTALL PERMANENT CONTROLS AS A PART OF THE WORK, SHALL BE PERFORMED BY THE CONTRACTOR AT HIS EXPENSE.

8. ADDITIONAL EROSION CONTROLS MAY BE MANDATED BY THOSE AGENCIES HAVING JURISDICTION.

9. ROUTINE INSPECTION WILL BE CONDUCTED ON ALL EROSION CONTROL PRACTICES FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING ALL DEFICIENCIES REVEALED BY THE INSPECTIONS.

10. [illegible]

SEEDING SPECIFICATIONS.

1. TEMPORARY SEEDING AND MULCHING SHALL BE PLACED ON ALL DENUDED AREAS THAT ARE TO REMAIN OPEN FOR FORTY FIVE (45) DAYS OR LONGER WITHIN SEVEN (7) DAYS.

2. TOPSOIL STOCKPILES SHALL RECEIVE TEMPORARY SEEDING AND MULCHING AS SOON AS STOCKPILING OPERATIONS ARE COMPLETED OR A SILT FENCE SHALL BE INSTALLED ALONG AND 5' MIN. FROM THE TOE OF THE STOCKPILE. TOPSOIL SHALL BE REPLACED AS QUICKLY AS CONSTRUCTION PERMITS.

3. SEEDING AND MULCHING IN DITCHES AND SWALES WITH STEEP GRADIENTS OR A FLOW GREATER THAN 3.5 FPS SHALL BE SECURED WITH JUTE OR EXCELSIOR MATTING.

SEED TYPE.

SELECT A SPECIES OF MOISTURE APPROPRIATE FOR THE SITE.

1. TEMPORARY SEEDING (SEE TEMPORARY SEEDING TABLE-THIS SHEET)

2. FINAL SEEDING
TOPSOIL THICKNESS TO BE 4" THICK, WITH SEED BED PREPARATION AS EXPLAINED BELOW. [illegible] KENTUCKY BLUEGRASS, [illegible] KENTUCKY 31 FESCUE, AND [illegible] PERENNIAL RYEGRASS.

SEED BED PREPARATION.

1. WORK THE LIME AND FERTILIZER (12-12-12 ANALYSIS, OR EQUIVALENT) INTO THE SOIL TO A DEPTH OF TWO INCHES. ON SLOPING AREAS, THE FINAL OPERATION SHALL BE ON THE CONTOUR.

INSTALLATION.

1. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED. COVER TO A DEPTH OF 1/4" TO 1/2", AND FIRM SEEDBED WHERE FEASIBLE.

MULCHING. (SEE TEMPORARY SEEDING TABLE-THIS SHEET)

1. MULCH SHALL BE APPLIED TO PROTECT THE SOIL AND PROVIDE A BETTER ENVIRONMENT FOR PLANT GROWTH CONSISTING OF SMALL GRAIN STRAW (PREFERABLE WHEAT OR RYE) AND SHALL BE APPLIED AT THE RATE OF TWO TONS PER ACRE OR 100 lbs. (TWO OR THREE BALES) PER 1000 S.F.

MAINTENANCE.

1. IRRIGATION — IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH UNTIL THEY ARE FIRMLY ESTABLISHED.

2. REPAIRS — INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, RESEEDINGS, AND REMULCHING WITHIN THE PLANTING SEASON, IF POSSIBLE.

SITE PLAN

for : Charles Pengal (CLIENT)

11702 (ADDRESS) Cali Court (STREET) Concord Twp. (CITY)

49 (SUBLOT No.) The Woods Of Concord (SUBDIVISION NAME) 748 (VOL.) 814 (PAGE)

29 (LOT) 4 (TRACT) Concord (TOWNSHIP) (OHIO)

L.D.C. Inc. d.b.a.
LAND DESIGN consultants
Civil Engineers and Surveyors
[illegible] EAST AVENUE · MENTOR, OHIO 44060
TELEPHONE 255-8463 354-8636 951-LAND

DESIGN CERTIFICATION

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

[signature] 5-16-00
NAME

CHECK LIST

[illegible]

STATE OF OHIO — RICHARD A. THOMPSON JR. — PROFESSIONAL SURVEYOR
STATE SEAL

"AS BUILT" CERTIFICATION

I HEREBY CERTIFY THAT THE CIRCLED INFORMATION IS EXISTING AS OBTAINED ON THE SITE ________ 2000 AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME

LEGEND	DRAWN BY	SCALE
STORM MANHOLE / SANITARY MANHOLE / EXISTING CONTOURS / PROPOSED CONTOURS	M.G.P.	1" = 30'
EXIST. ELEV. 100.0 / 100.0 PROP. ELEV.	CHK'D BY R.A.T.	DATE 5-16-00
DIRECTION OF SURFACE DRAINAGE	1	
	2	

ACCEPTED: ________ CLIENT ________ DATE

BENCHMARK: B.M.= SANITARY MANHOLE IN FRONT OF SUBLOT 49 RIM ELEV................ 797.55

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.

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 17th DAY OF APRIL, 2000 AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY EXISTED AS INDICATED HEREON.

(NAME)

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

DWG. NAME
PENGC1-0001