# SITE PLAN

for : Charlie Pengal — CLIENT

11702 Cali Drive — ADDRESS / STREET — Concord — CITY

12 — SUBLOT No. — Auburn Ridge Subdivision — SUBDIVISION NAME — VOL. — PAGE

7 — LOT — 3 — TRACT — Concord — TOWNSHIP — OHIO


L.D.C. Inc. d.b.a. LAND DESIGN consultants
Civil Engineers and Surveyors
8585 EAST AVENUE · MENTOR, OHIO 44060
TELEPHONE 255-8463 354-6838 951-LAND


## DESIGN CERTIFICATION

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

NAME

## CHECK LIST

LOT DIMENSIONS & BEARINGS
TIE TO NEAREST STREET
SUBLOT No. (PARCEL No.)
SURROUNDING OWNERS
BUILDING DIMENSIONS
SETBACK, SIDEYARD, REARYARD
FINISHED GRADES
DRIVE & APRON TYPE, WIDTH, THICKNESS
SIDEWALK TYPE, WIDTH, THICKNESS
CULVERT TYPE, DIAM., LENGTH
WATER MAIN SIZE, LOCATION
SAN. SEWER SIZE, % GRADE, LOC.
SAN. MH. CAST. ELEV., INV. ELEV.
SAN. CONN. SIZE, % GRADE, LOC.
STORM SEWER SIZE, % GRADE, LOC.
STORM MH. CAST. ELEV., INV. ELEV.
PAVT TYPE, GRADE, CURBS
GAS LINE LOC., SIZE
SEPTIC SYSTEM & DUPLICATION
WELL LOCATION & ISOLATION RADIUS

STATE OF OHIO — JAMES R. PEGORARO 5768 — REGISTERED — 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

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

| DRAWN BY | SCALE |
|---|---|
| JBR/SITE | 1"=30' |
| CHK'D BY | DATE |
| Rat | MAY , 2000 |
| 1 | |
| 2 | |

ACCEPTED: ______ CLIENT ______ DATE

BENCHMARK: NAIL IN POWER POLE EAST OF ℄ ℄ ELEV: 791.94

Grading Plan Approved as shown and/or noted
THOMAS P. GILLES, P.E.
Lake County Engineer
By TAM Date 07/15/00
EXTEND 6" STM TO ROADSIDE DITCH

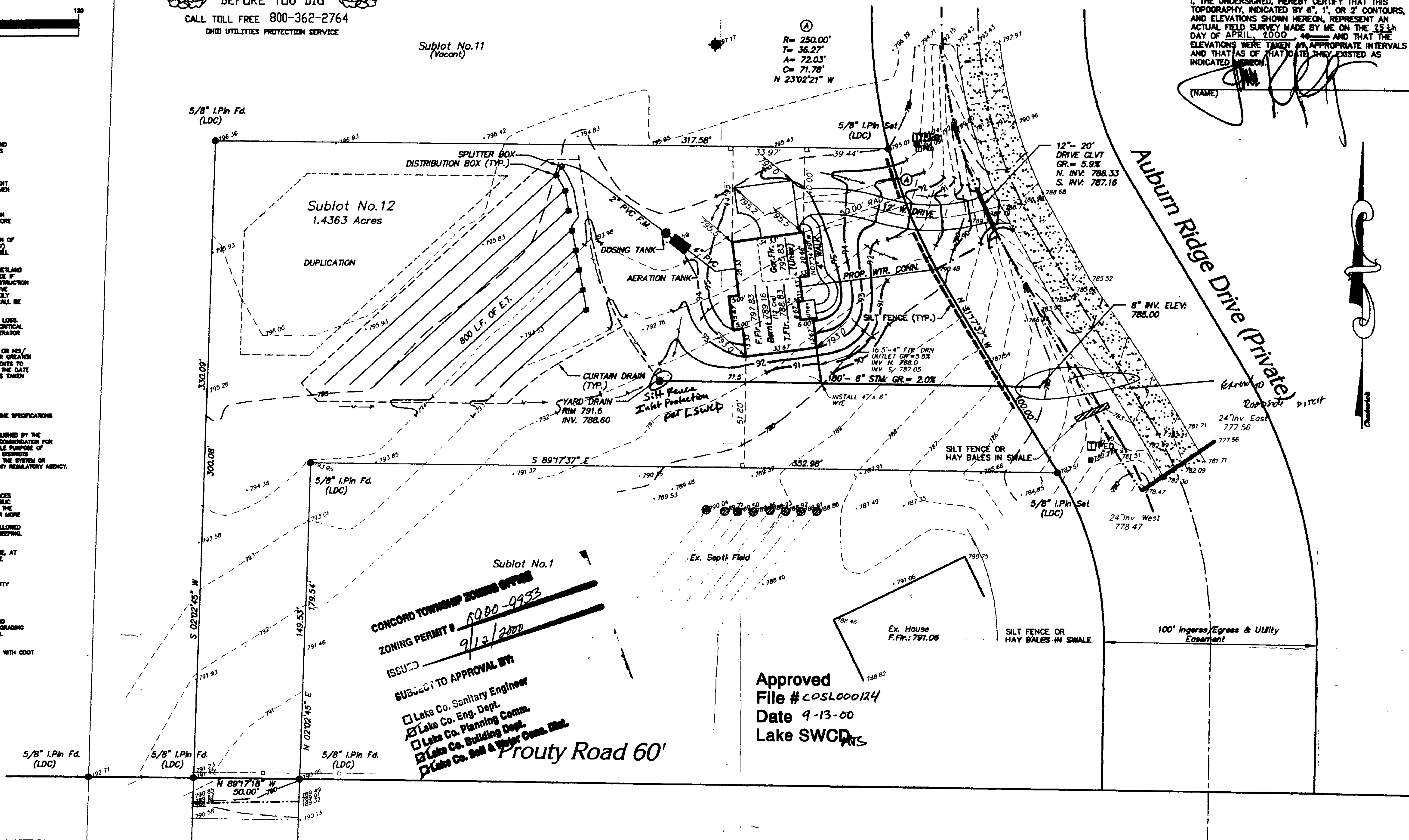
ROOF DRAINS SHALL DISCHARGE TO SPLASH BLOCKS.

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 25th 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

GRAPHIC SCALE
( IN FEET )
1 inch = 30 ft.




CONCORD TOWNSHIP ZONING OFFICE
ZONING PERMIT # Z000-0933
ISSUED 9/12/2000
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.

Approved
File # COSL000124
Date 9-13-00
Lake SWCD RTS

REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL HEALTH DISTRICT
Date 8-2-00 BY

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.*

### 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 INGRESS AND EGRESS TO BE LIMITED TO THIS AREA ONLY.

SEDIMENT CONTROL PRACTICES 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 DORMANT 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 DORMANT 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 WAY MUST 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 STREAM OR WETLANDS, OR IF DETERMINED BY THE ADMINISTRATOR THAT SEDIMENT FROM STOCKPILES WILL LEAVE THE SITE.

SEDIMENT 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.

### SEPTIC SYSTEM 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 SYSTEM IS BASED UPON REGULATIONS ESTABLISHED BY THE LAKE COUNTY GENERAL HEALTH DISTRICT AND IN COMPLIANCE WITH THEIR RECOMMENDATION FOR DESIGN. THIS PLAN REPRESENTS THEIR RECOMMENDATION AND IS FOR THE SOLE PURPOSE OF ESTABLISHING GRADES, ELEVATIONS AND OTHER PARTICULARS OF THE HEALTH DISTRICTS REGULATIONS AND DOES NOT CONSTITUTE ANY WARRANTY OR GUARANTEE OF THE SYSTEM OR ITS CAPABILITY TO FUNCTION IN CONFORMANCE WITH ANY REGULATORY AGENCY.

MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, OR ONTO PUBLIC ROADS. WHERE SOIL IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE, THE ROADS 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.

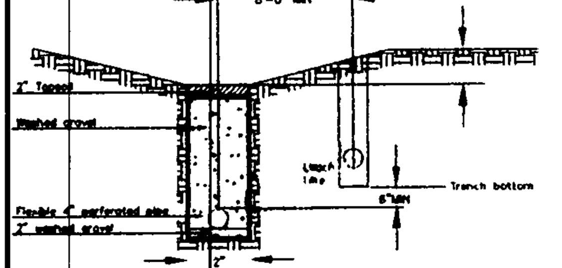
PERMANENT SEEDING TO BE INSTALLED AFTER ALL CONSTRUCTION ACTIVITY IS COMPLETE.

### SEEDING AND MULCHING NOTES

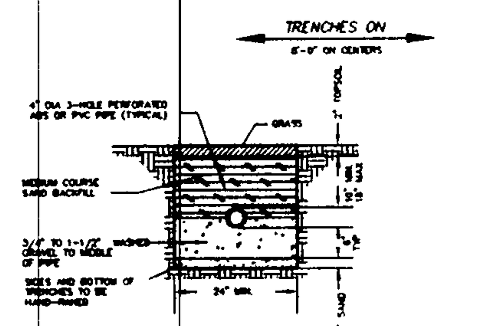
SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND MULCHING IMMEDIATELY UPON COMPLETION OF EXCAVATION OF FILL AND FINISHED GRADING IN ACCORDANCE WITH ITEM NO. 659 ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

THE FOLLOWING MIXTURE SHALL BE USED FOR SEEDING IN ACCORDANCE WITH ODOT ITEM 659.

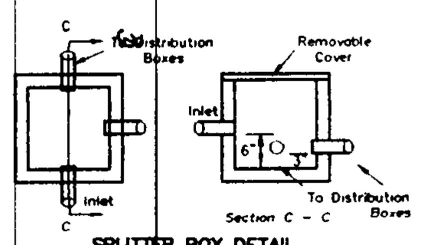
KENTUCKY BLUE GRASS- 40%
CREEPING RED FESCUE- 40% 3#/ 1000 S.F.
PERENNIAL RYEGRASS- 20%
FERTILIZER- 20#/ 1000 S.F. (12-12-12)
MULCH-STRAW/ 3 TONS/ ACRE



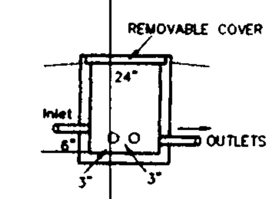

TYPICAL CURTAIN DRAIN CROSS SECTION



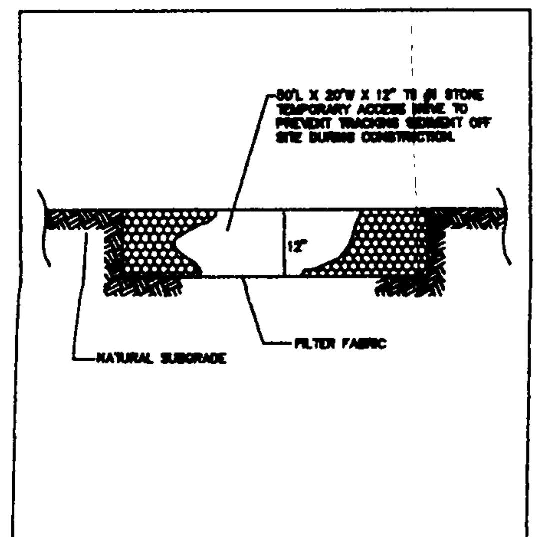

TYPICAL EVAPOTRANSPIRATION TRENCH DETAIL




SPLITTER BOX DETAIL




DISTRIBUTION BOX SECTION




STONE ACCESS DRIVE
NO SCALE — DECEMBER 18, 1997

| TEMPORARY SEEDING | | |
|---|---|---|
| MARCH 1ST 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 16TH TO NOVEMBER 1ST | PER 1000 SQUARE FEET | PER ACRE |
| 1 CEREAL RYE OR WHEAT | 3 POUNDS | 131 POUNDS |
| 2 50/50 MIX PERENNIAL RYEGRASS & ANNUAL RYEGRASS | 3-5-6 POUNDS | 262 POUNDS |
| 3 TALL FESCUE | 1 POUND | 43 POUNDS |

TABLE 8.07-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 659.08 | 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 SF

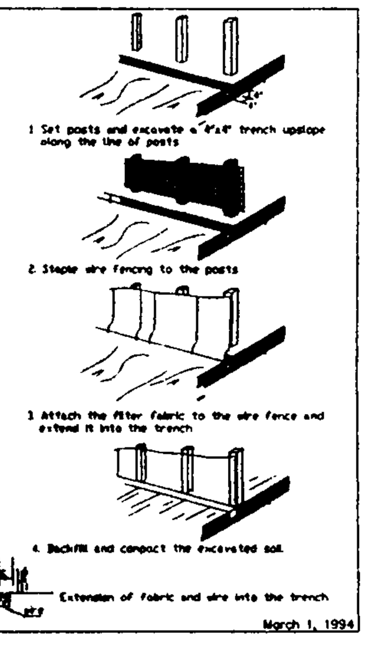
TEMPORARY SEEDING AND MULCH MATERIALS
NO SCALE — DEC. 17, 1999

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 minimum 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

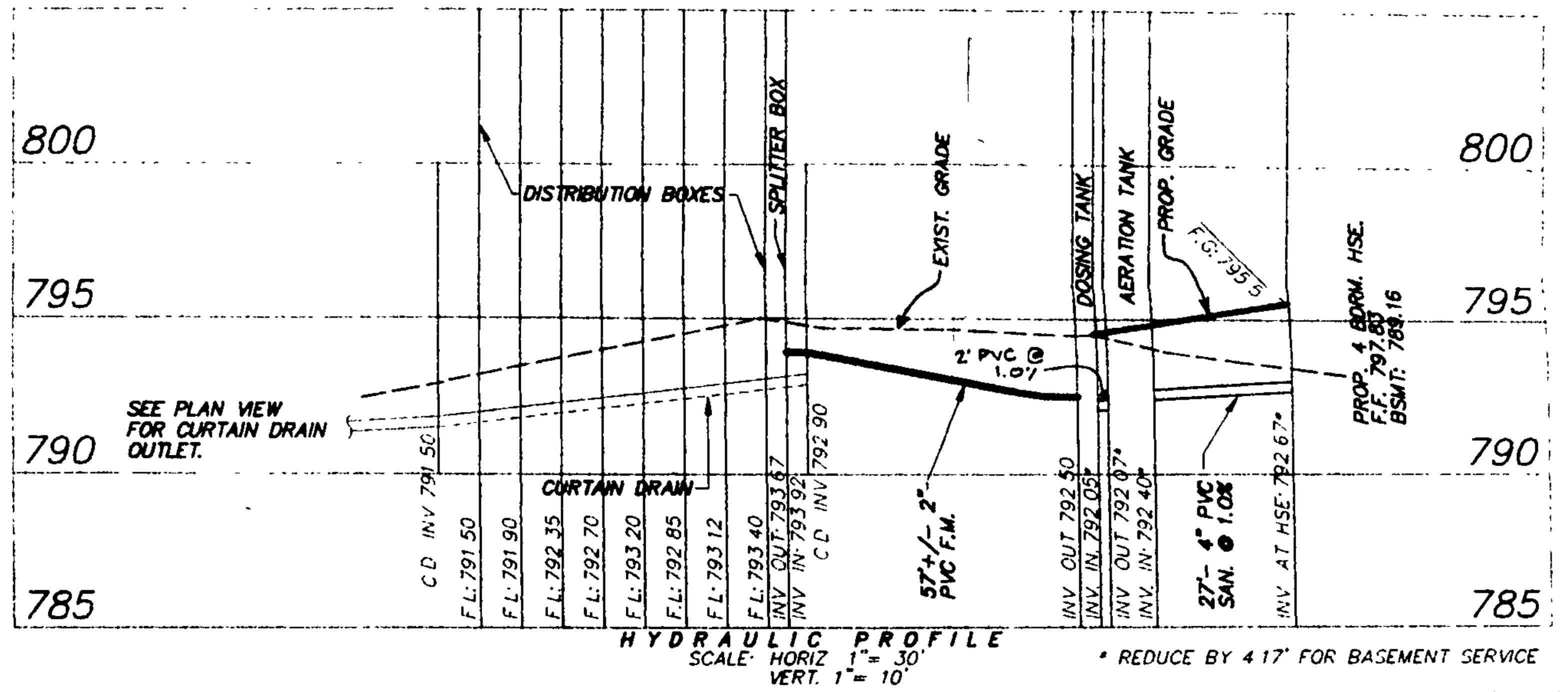
MAINTENANCE

1 Silt fences and filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged 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



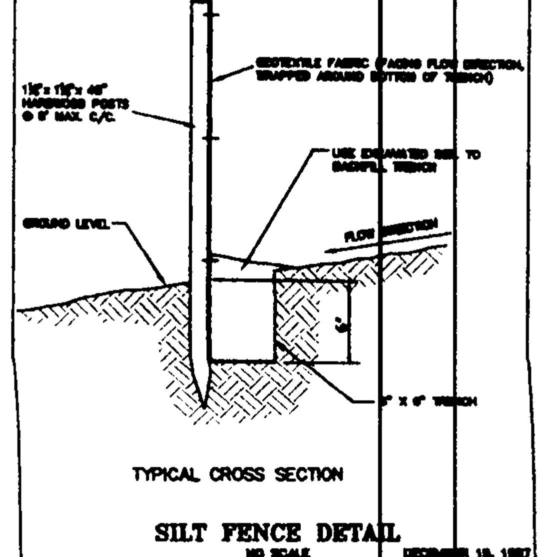

SILT FENCE
NO SCALE — March 1, 1994

*SEPTIC NOTE:*
*THE SEWAGE SYSTEM INDICATED ON THIS SITE AND GRADING PLAN IS SHOWN FOR THE PURPOSE OF ESTABLISHING THE SIZE, ISOLATION REQUIREMENTS AND ELEVATIONS ACCEPTABLE TO THE COUNTY HEALTH DISTRICT AND NO GUARANTEE OF ITS OPERATION IS IMPLIED OR ASSUMED BY LDC. Inc.*




HYDRAULIC PROFILE
SCALE: HORIZ 1"= 30' VERT. 1"= 10'

* REDUCE BY 4.17' FOR BASEMENT SERVICE




TYPICAL CROSS SECTION

SILT FENCE DETAIL
NO SCALE — DECEMBER 18, 1997

DWG. NAME
Pengc1-0002