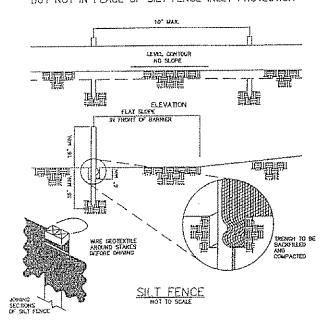
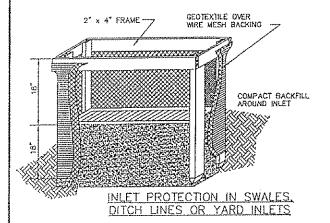
STRAW BALES MAY BE USED IN CONJUNCTION WITH BUT NOT IN PLACE OF SILT FENCE INLET PROTECTION



VALUES	TEST METHOD
120 LBS (535 N)	ASTM D 4632
50 X	ASTM D 4832
50 LHS. (220 N)	ASTM D 4833
40 LBS. (180 N)	ASTAL D 4533
± 0.84 MM	ASTM D' 4751
1X10-2 SEC1	ASIM D 4491
70 X	ASIM G 4355
	VALUES   120 LBS (535 N)   50 K   50 LBS (180 N)   40 LBS (180 N)   = 0.84 MM   1310−2 SEC.−1   70 K



I, INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BECOMS OR BEFORE THE INLET BECOMES FUNCTIONAL. 2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST IS INCHES.

UEPTH AT LEAST 18 INCHES
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH
CONSTRUCTION GRADE LUMBER. THE 2-INCH BY 4-INCH POSTS SHALL BE
DRIVEN CHE (1) FT. INTO THE GROUND AT FOR CORNERS OF THE INLET AND
THE TOP PORTION OF 2-INCH BY 4-INCH FRAME ASSEMBLED USING THE
OVERLAP JOINT SHOW!. THE TOP OF THE FRAME SHALL BY AT LEAST S
INCHES BELOW ADJACENT ROADS IF FONDED WATER WILL POSE A SAFETY
HAZARD TO TRAFFEY

INCHES BZIOW ADJACENT ROADS IF FONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC. 4. WIRE WEST SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY REPOUNDED ADJANST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.

5. GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETETHED TROM THE TOP OF THE FRAME AND FASTENED SERCURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO IB INCHES BELOW THE WINLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE NILET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.

6. BACKFILL SHALL DEFELAD AROUND THE WILLT IN COMPACTED 6-INCH LATERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.

CLEVATION ON DIFFE.

7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 8-INCHES HIGHER THAN THE TOP OF THE PRAME

## Erosion and Sediment Notes

Ingress-Egress
A stone access drive for ingress and egress at the site
shall be installed. This drive shall be the only entrance and exit to the site. The stone shall be underlain by geo-textile labric.

Sit Fence Silt\_fence.
All silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan as well as along the front of any lot that slopes towards the street. On sites where a perimeter of temporary seeding (or pre-existing vegetation) cannot be maintained due to limited space, a complete perimeter of silt fence shall be established.

Temporary Seeding/soil stabilization
Disturbed areas of the site that are to remain idle for more than twenty—ane (21) days shall be seeded and straw mulched (or similar) within seven (7) days of completion of initial grading; this includes soil stockpiles. Temporary seeding and mulching of a thirty (30) foot strip of the entire front side and any other

down-gradient side of the lot shall be maintained on the site once initial grading is complete.

Stabilization of critical areas within fifty (50) feet of any stream or welland shall be complete within two (2) days of the disturbance if the site is to remain inactive for longer than fourteen (14) days.

Following completion of the construction activities, and the contractor leaving the site, the site soils must be fully stabilized by temporary seeding and/or mulching (or other acceptable process).

Mulching Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, of a width of thirty (30) every ten (10) feet of curb, of a warm of mirty (50) feet (or 1 bail/300 sq/ft). Wood chips 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 properly installed silt fence.

1. SLT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SLT 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 SHALLES OR DEPRESSIONS THAT WAY CARRY SMALL CONCENTRATED FLOWS TO THE SLT FENCE ARE DISSIPATED ALONG ITS LENGTH.

1. ENDS OF THE SUT SENERGE STATE OF THE STATE OF THE SUT FENCE ARE DISSIPATED ALONG ITS LENGTH.

TENUE, AND SU THAT SMALD SHALED ON DEPRESSIOND THAT MAT CARRY SMALL CUNCENTRATED FLOWS TO THE SLIT FENCE. RICE DISSPACED ALONG THE SLIT FENCE SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SLIT FENCE WILL BE PREVENTED FROM FLOWING ARGUND THE FENDS.

3. ENDS OF THE SULT FENCES SHALL BE PROCED ON THE FLATTEST AREA AVAILABLE.

5. WHERE POSSIBLE WEGGTATION, SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SLIT FENCE. IF VECETATION IS REMOVED IT SHALL BE REESTABLISHED WITHIN T DAYS FROM THE INSTALLATION OF THE SLIT FENCE.

6. THE HEIGHT OF THE SLIT FENCE SHALL BE A MINIMUM OF 16 INCHES BEDIED HE ORIGINAL GROUND SURFACE.

7. THE SLIT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUIT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LATING MACHINE, SLITING MACHINE, OR OTHER SUITBALE DEVICE THAT WILL ENSURE AN ADEQUATELY UNSFORM TRENCH DEPTH.

8. BE SLIT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSHOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 WICHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL ANY ON THE BOTTOM OF THE GEOTEXTILE. A MINIMUM OF A WICHES GROUND SURFACE. EXCESS MATERIAL SHALL ANY ON THE BOTTOM OF THE GEOTEXTILE. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SCENONS OF SLIT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-INCH OVERLAP PRIOR TO DRIVING BUTO THE GROUND.

10. SEALIS BETWEEN SCENONS OF SLIT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-INCH OVERLAP PRIOR TO DRIVING BUTO THE GROUND.

10. MANTENANCE-SLIT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GETOTEXTILE IF RUNFIF OVERTOPS THE SLIT FENCE, FLOWS UNDER THE FABRIC OR ARCUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARCE, ONE OF THE FENCE, FLOWS UNDER THE FABRIC OR ARCUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARCE, ONE OF THE FENCE WAY ALLOW ON THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REC

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE.

SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS, IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIA TELY.

CRITERIA FUN SILL FENCE MATERIALS
FOR AMENICAL BE A MINIMUM OF 32 INCHES, WOOD POSTS WILL BE 2-BY-2-IN, NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY, THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER USBLE IMPERFECTIONS, THAT WILL WEAKEN THE POSTS, THE MAXIMUM SPACING BETWEEN POSTS SHALL BE TO FEET, POSTS SHALL BE DRIVEN A MINIMUM TO INCHES INTO THE GROUND, WHERE POSTBLE IF NOT POSSIBLE, THE OSIS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING. SILT FENCE FABRIC—SEE CHART

#### TEMPORARY SEEDING

SEEDING DATES	SPECIES	ம்./1,000 S.F.	LB/PER ACRE
MARCH 1 — AUGUST 15	OATS TALL FESCUE ANNUAL RYEGRASS	3 1 1	128 (4 BUSHEL) 40 40
	PERENNIAL RYECRASS TALL FESCUE ANNUAL RYECRASS	1 1	40 40 40
	ANNUAL RYEGRASS PERENNIAL RYEGRASS CREEPING RED FESCUE KENTUCKY BLUEGRASS	1,25 3,25 0,4 0,4	55 142 17 17
	CATS TALL FESCUE ANNUAL RYCORASS	3	128 (3 BUSHEL) 40 40
AUGUST 16 NOVEMBER	RYE TALL FESCUE ANNUAL RYECRASS	3 L 1	112 (2 BUSHEL) 40 40
	WHEAT TALL FESCUE ANNUAL RYEGRASS	3 1 1	120 (2 BUSHEL) 40 40
	PERENNIAL RYECRASS TALL PESCUE ANNUAL RYECRASS	1	40 40 40
	ANNUAL RYEGRASS PERENNIAL RYEGRASS CREEPING RED FESCUE KENTUCKY BLUEGRASS	1,25 3,25 0,4 0.4	40 40 40
NOVEMBER 1 - FEB, 29	USE HULCH ONLY OR DO	RMANT SEEDING.	····

I, STRUCTURAL EROSION AND SEDMENT CONTROL PRACTICES SUCH AS DIMERSIANS AND SEDMENT TRAPS SIMLL BE INSTALLED AND STABILIZED MITH TEMPORARY SEDING PRIOR TO GRADING HE REST OF THE CONSTRUCTION STE.

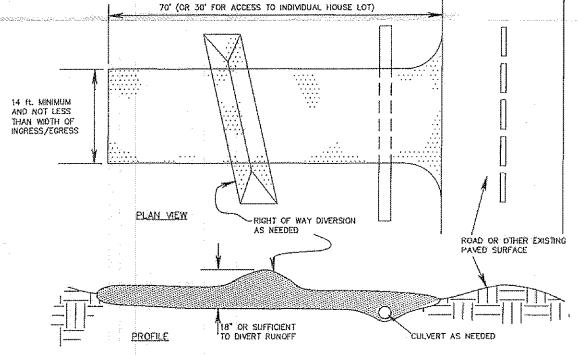
2. RUPCHARY SED SHALL BE APPLIED SETMEN CONSTRUCTION OF SOIL THAT WILL NOT BE GRADED OR REMORKED FOR 21 DAYS OR GREATER. THESE IDLE ANEAS SHALL BE SEDIED WITHIN 7 DAYS AT IER CRADING.

3. THE SEEDSED SHOULD BE PLILYERED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING MITHER THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING RAYES SHALL ESTABLISH ADEQUATE STANDS OF WEGETATION, WHICH LAY REQUIRE THE LIST OF A SILL AND ADMINISTRATIVE SHALL SET SHALL SET AND SEEDING METHOD-SEED SHALL SET AND AND LAY RECURRE THE LIST OF A SILL AND SHEADER SHALL SET SHALL SET SHALL SET SHALL SET SHALL SET SHALL BE SEDING METHOD-SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLOME SHREAGER DHAT HAS BEEN SHOOLEAST SHALL BE COVEYED BY RAXING OR DRAGGNO AND THEN LYRIVE TABLED HIT PROSECUER. WHEN HEASHEL SEED THAT HAS BEEN SHOOLEAST SHALL BE COVEYED BY RAXING OR DRAGGNO AND THEN LYRIVE YAMPED WITH PLACE USING A RALLER OR CALL BROKER IF HYDROSELEVER. WHEN HEASHEL SHALL BE MADED ON-SITE AND THE SEEDING SHALL BE DUNE SHALD FOR THE SEED AND FERDLUTER WAL BE MADED ON-SITE AND THE SEEDING SHALL BE DUNE SHALD CATEFUL TO THE SEED AND FERDLUTER WAL BE MADED ON-SITE AND THE SEEDING SHALL BE DUNE SHALD COUNTY WHERE SEEDING SHALL BE DUNE SHALD CATEFUL TO THE SEED AND FERDLUTER WAL BE MADED ON-SITE AND THE SEEDING SHALL BE DUNE SHALD CATEFUL TO THE SEED AND SHALD CATEFUL TO THE SEED AND SHALD CATEFUL TO THE SEED AND SHALD CATEFUL THE SEED AND SHALD CATEFUL THE SEED AND SHALD CATEFUL TO THE SEED AND SHALD CATEFUL THE SEED AND SHALD CATEFUL TO THE SEED AND SHALD CAT

MURCHING TEMPORARY SEEDING

1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, MICH
SHALL BE APPLIED DURING OR BUNECHATELY AFTER SEEDING. SEEDINGS
MADE DURING OPTIMUM SEEDING DATES ON FAYRRABLE, VERY ILAT SOU
CONDITIONS MAY NOT NEED MULCH TO ACRIEVE ADEQUATE.
SYMBELZATION.

CORDITIONS MAY NOT MEED MULCH TO ACRIEVE ADEOUNTE.
STABLEARICH.
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STABLEARICH.
STRAW APPLIED AT A RATE OF 2 TUNS PER ACRE OR 90 185/1,000
SOUT. (2-3 BALES)
-HYDROSCERERS-F WOOD CELLULOSE FREER IS USED, IT SHALL DE USED
AT 2000 185. AC. OR 46 18./1,000-SOUT.
-OTHER-ODIER ACCEPTABLE MILCHES SECULDE MULCH MATTHOS
APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD
CHIPS APPLIED AT 6 TOW/AC.
1 STAW MULCH SHALL DE ANCHORED BENEDVATELY TO MARBEE LOSS
BY WHOD OR WATER, ANCHORING METHOODS.
-MECHANICALLY AS CHAPPER OR SOUTH THE TOOL SHALL DE SET
STRAIGHT TO PUNCH OR ANCHORING HETWOODS.
STRAW MECHANICALLY ANCHORED SHALL NOT DE RHELY OHOPPED BUT
LEFT TO A LENGTH OF APPROMIABLELY B MOCES.
-MULCH METHING-SHALL BE USED ACCROINED TO THE
MANUFACTURERS RECOMMENDATIONS. NETTING MAY BE RECESSARY TO
HICLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNGET AND ON
ORTICAL SLOYES.
-SYNTHETIC BINDERS-SYNTHETIC DINDERS SUCH AS ACRYLIC OUR
(ACRI-TAC), DOL-TO, PETROSET, IERRA TRACK OR ECONVILENT MAY BE
USED AT RATES RECOMMENDED BY THE MANUFACTURER.
-WOOD-CELLULOSE FREER-WOOD-CELLULOSE FIBER BINDER SHALL BE
APPLIED AT A HET DRY WIT, OF 750 LB FAC, THE WOOD-CELLULOSE
FIBER SHALL BE MADU BITH WATER AND THE MIXTURE SHALL CONTAIN A
MAXMUM OF 50 LB /100 GAL.



## CONSTRUCTION ENTRANCE

# SPECIFICATIONS FOR CONSTRUCTION ENTRANCE:

- 000T #2 (1.5-2.5 INCH) STONE
- LINGTH--DE CONSTRUCTION ENTRANCE SHALL DE AS LONG AS REQUEED TO STABLUZE HOR TRAFFIC AREAS BUT NOT LESS THAN TO FT. (EXCEPT ON SWILE RESIDENCE LOT WEEKE A 20-FT, WHALIAN LENGTH APPLIES).
- THOCKNESS -- THE STONE LAYER SHALL BE AT LEAST & IN. THICK FOR LIGHT DUTY ENRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
- WORK—THE ENTRANCE SHALL BE AT LEAST IN FIT, WOR, BUT NOT LESS THAN THE FULL WOTH AT POINTS WHERE INGRESS AND ECRESS OCCURS.
- CEOTEXTILE—A CEOTEXTILE SHALL BE PLACED DAIR THE ENTIRE AND FERON TO FLACING STOKE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERS (THEIRS AND MEET THE FOLLOWING SHEES.

CECTEXILE SPECIFICATION FOR	DONSTRUCTION ENTRANCE
WHILLIN TENSIE STRENGTH	200 LBS.
MANUAL PLANCTURE STRENGTH	80 PSI
SCHOOL TEAR STRENGTH	50 18%
MINIMUM BURST STRENGTH	320 PSI
MINIMUM ELONGATION	201
ECLIFALENT OPENING SIZE	EOS < 0.0 MM.
PERUITRUTY	1 x 10-3 CH/SE.

- 6. THING —THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
- 7. CANVERT --- A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF HELDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM DEING DIRECTED OUT ONTO PAYED SURFACES.
- WATER BAR—A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF KEELD TO PROVENT SURFACE RANGEF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.

A construction entrance is a stablized pad of agregate over a geotixtle base and is used to reduce the abount of mud tracked off—site with constituction trattag

CONDITIONS WHERE PRACTICE APPLIES:

- A CONSTRUCTION ENTRANCE SHOULD BE USED:
- WERE CONSTRUCTION VEHICLES LEAVE ACTIVE CONSTRUCTION AREAS ONTO SURFACES WHERE RUNOF IS NOT CHECKED BY SEDIMENT CONTROLS;
- . AT ALL POINTS OF ECRESS TO PUBLIC ROADS;
- WERE FREQUENT VOYCLES AND EQUIPMENT INCRESS/EGRESS IS EXPECIED SIGH AS AT THE AT THE ENTRANCE OF INDIVIDUAL BUILDING LOTS;

## PLANNING CONSIDERATIONS:

THIS PAIGHCE SHOULD NOT BE RELED ON TO RELIEVE MUG FROM CONSTRUCTION TRAFFIC. MOST MUG IS FLUND FROM TRES AS VERYALES RELEM SPEEDS HOWER THAN IS REACHED ON STE. THE BEST A PERSONAL TO PREMERBING OFF-SHE PARAGORES IS TO KEEP PRINCES THAT FREQUENT BEHIEF AND LEAVE A SIE, MANY FROM MUDDY MEDS IN THE FIRST PLACE. VALUELES SHOULD BE RESTRICTED TO STADILLED AREAS TO THE EXTENT PRACTICAL, AND MEDS WHERE FREQUENT PROSESS/ECRESS IS EXPECTED SHOULD BE STABILIZED.

- 9. MANTENANCE—TOP DRESSING OF ADOITIONAL STONE SHALL BE APPLIED AS CONCURSES DELIAND, MAD SELLED, BROPPED, MASIED ON TRACKED ONTO PUBLIC ROUDS, OR MAY SURFACE SHEEP, RINNET IS NOT CHECKED BY SERVEN DONITIONS, SHALL BE REMOVED MINISTRATE. MEMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- O CONTRUCTION ENTRANCES SHALL NOT BE RELED UPON TO REMOVE MLD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTE FROM MUDDY AREAS.
- II, REMOVAL -- THE EMPRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED.

		5425 WARNER ROAD - BUITE 12 VALLEY WEW, OHIO 44125	SITE PLAN FOR B.R. KNFZ			
HORIZ, SCALE:	VERT. SCALE:	440-602-9071 FAX 215-359-0259	CONSTRUCTION, INC.			-
CL DRAWN BY:	12-20-2012 DATE:		OUTRIGGER COVE BEING SUBLOT JOI IN THE			
5RL	20112539	A LECHH	LAKE FRIE SHORES PHASE 4A PLAT YOLUME 50, PAGE 33			+
CHECKED BY: 20112539	DRAWING NO.:	ENGINEERING + SURVEYING	PARTITION AS INC. COOK TO LINE			
IOB NO.:	SHEET: 2 OF 2	Civil Engineering + Land Surveying	STATE OF OHIO	NO. DATE	DESCRIPTION	BY