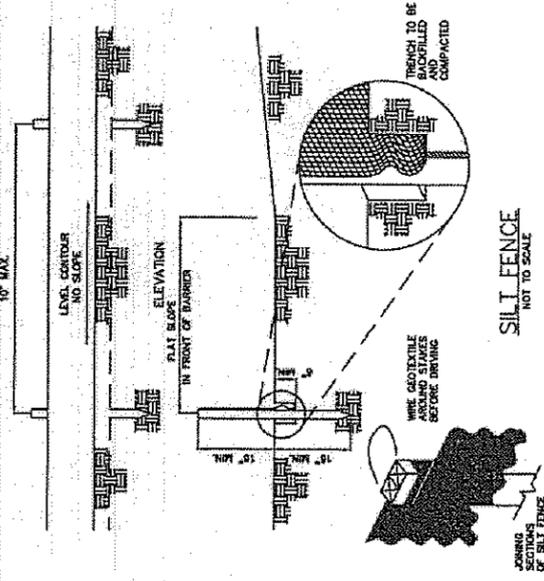
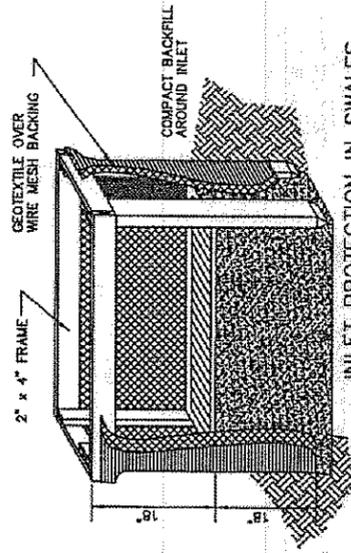


STRAW BALES MAY BE USED IN CONJUNCTION WITH BUT NOT IN PLACE OF SILT FENCE INLET PROTECTION



SILT FENCE
NOT TO SCALE

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LBS. (53.5 N)	ASTM D 4632
MINIMUM ELONGATIONAL AT 60 LBS.	50 %	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS. (220 N)	ASTM D 4633
MINIMUM TEAR STRENGTH	40 LBS. (180 N)	ASTM D 4633
APPROXIMATE OPENING SIZE	0.25 MM	ASTM D 4751
MINIMUM PERMEABILITY	1X10 ⁻² SEC.-1	ASTM D 4407
UV EXPOSURE STRENGTH RETENTION	70 %	ASTM D 4355



INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH 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 ONE (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 SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 8 INCHES BELOW ADJACENT ROADS IF PONDING WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH THE FRAME. THE MESH SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
5. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6-INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
6. 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 6-INCHES HIGHER THAN THE TOP OF THE FRAME.

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT 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 SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER POUNDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE ORIGINAL GROUND SURFACE.
6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH. BE BEHIND THE SILT FENCE SHALL BE PLACED WITH THE STAPLES ON THE DOWN-SLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 6 INCHES OF GEOTEXTILE MUST BE PLACED ON BOTH SIDES OF THE TRENCH.
8. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-INCH OVERLAP PRIOR TO DRIVING INTO THE GROUND.
9. MAINTENANCE—SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED; 2) ACCUMULATED SEDIMENT SHALL BE REMOVED; OR 3) OTHER PRACTICES SHALL BE INSTALLED.

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 REMEMBERED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

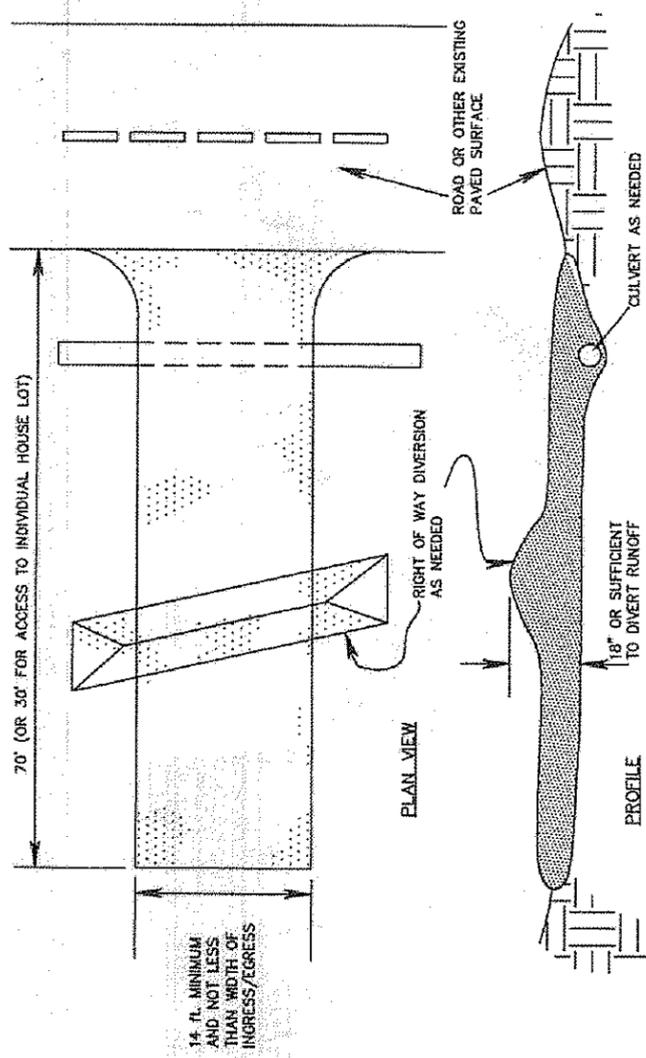
CRITERIA FOR SILT FENCE MATERIALS

1. SILT FENCE POSTS SHALL BE 2-BY-2-IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND OPEN GRADE. POSTS SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS, THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FEET. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ANCHORED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.
2. SILT FENCE FABRIC—SEE CHART

TEMPORARY SEEDING

SEEDING DATES	SPECIES	Lb./1,000 S.F.	Lb./PER ACRE
MARCH 1 - AUGUST 15	OATS	3	128 (4 BUSHEL)
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
AUGUST 16 - NOVEMBER	ANNUAL RYEGRASS	1.25	55
	PERENNIAL RYEGRASS	3.25	142
	CREeping RED FESCUE	0.4	17
	KENTUCKY BLUEGRASS	0.4	17
	OATS	3	128 (3 BUSHEL)
NOVEMBER 1 - FEB. 28	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	RYE	3	112 (2 BUSHEL)
	WHEAT	1	40
	TALL FESCUE	1	40
USE MULCH ONLY OR DRUGGANT SEEDING.	ANNUAL RYEGRASS	1	40
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	PERENNIAL RYEGRASS	1.25	40
	ANNUAL RYEGRASS	3.25	40

1. STRUCTURAL PROVISION AND SEDIMENT CONTROL PRACTICES SUCH AS OVERSLOWS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
2. SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL BE EXPOSED WITHIN 7 DAYS OF GRAVING. THESE EXPOSED AREAS SHALL BE SEED WITHIN 7 DAYS AFTER GRAVING.
3. THE SEEDING SHOULD BE FULFILLED AND LOOSE TO ENSURE THE SEEDS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE APPLIED TO AREAS THAT WILL BE GRADED IMMEDIATELY.
4. SOIL AMENDMENTS—TEMPORARY VEGETATION SEEDING SHOULD ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS BASE FERTILIZERS, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. BASE FERTILIZERS, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS, SHOULD BE APPLIED UNIFORMLY WITH A CULTIVATING TOOL. SEED SHALL BE APPLIED UNIFORMLY WITH A CULTIVATING TOOL THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIVATOR. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.
5. MULCHING TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS SHOULD BE APPLIED TO SOIL THAT IS NOT FAVORABLE. VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.
6. MATERIALS—
 - STRAW—IF STRAW IS USED, IT SHALL BE UNMOTTLED SMALL-CRAN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE OR 80 LBS./1,000 SQ. FT. (2-3 BALES)
 - WOOD—WOOD MULCH SHALL BE APPLIED IMMEDIATELY TO MINIMIZE LOSS
 - OTHER OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TON/AC.
 - 7. STAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS SHALL BE SET STRAIGHT TO PINCH OR ANCHOR. THE ANCHORING METHOD SHALL BE SET STRAIGHT TO PINCH OR ANCHOR. THE ANCHORING METHOD SHALL BE SET LEFT TO A LENGTH OF APPROXIMATELY 6 INCHES.
 - 8. MULCH NETTING—NETTING SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO CRITICAL SLOPES. PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON SYNTHETIC GRASSES—SYNTHETIC GRASSES SUCH AS ACRYLIC DNR (AGR-740), DCA-70, PETROSET, TERRA TRACK OR EQUIVALENT MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
 - 9. WOOD-CELLULOSE FIBER—WOOD-CELLULOSE FIBER BINDER SHALL BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
 - 10. FIBER—FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL.



SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

1. STONE SIZE—ROOT #2 (1.5--2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH—THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE THE TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPT ON SINGLE RESIDENCE LOTS WHERE A 30-FT. MINIMUM LENGTH APPLIES).
3. THICKNESS—THE STONE LAYER SHALL BE AT LEAST 8 IN. THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 12 INCHES FOR HEAVY DUTY USE.
4. WIDTH—THE ENTRANCE SHALL BE AT LEAST 14 FT. WIDE, BUT NOT LESS THAN THE FUEL WITH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
5. GEOTEXTILE—A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMER FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:

GEOTEXTILE SPECIFICATION FOR CONSTRUCTION ENTRANCE	
MINIMUM TENSILE STRENGTH	200 LBS.
MINIMUM PUNCTURE STRENGTH	80 PSF
MINIMUM TEAR STRENGTH	50 LBS.
MINIMUM BURST STRENGTH	320 PSF
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	0.075 - 0.08 MM
PERMEABILITY	1 X 10 ⁻³ CM/SEC.
6. TYPING—THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CONCRETE—A PIPE OR CURBET SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF REFERRED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR—A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF REFERRED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.

DESCRIPTION:
A CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF AGGREGATE OVER A GEOTEXTILE BASE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC. CONDITIONS WHERE PRACTICE APPLIES:

- A CONSTRUCTION ENTRANCE SHOULD BE USED:
 - WHERE CONSTRUCTION VEHICLES LEAVE ACTIVE CONSTRUCTION AREAS ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS.
 - AT ALL POINTS OF EGRESS TO PUBLIC ROADS.
 - WHERE PRESENT VEHICLES AND EQUIPMENT INGRESS/EGRESS IS EXPECTED SUCH AS AT THE ENTRANCE OF INDIVIDUAL BUILDING LOTS.

PLANNING CONSIDERATIONS:

- THIS PRACTICE SHOULD NOT BE USED ON TO REMOVE MUD FROM CONSTRUCTION TRAFFIC. MOST MUD IS REMOVED BY WHEELS FROM PAVED AREAS. MUD IS PLACED ON SITE. THE BEST PRACTICE FOR MUD REMOVAL IS TO USE A MUD TRAP. MUD TRAPS SHOULD BE INSTALLED TO STABILIZED AREAS TO THE EXTENT PRACTICAL. AND AREAS WHERE FREIGHT TRUCKS/TRACTORS IS EXPECTED SHOULD BE STABILIZED.
- MAINTENANCE—THE PRESSING OF ANTIWHEEL STONE SHALL BE APPLIED AS CONDITIONS CHANGE. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- CONSTRUCTION ENTRANCES SHALL NOT BE USED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION AREA SHALL BE RESTRICTED FROM MUDDY AREAS.
- REMOVAL—THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED.

HORIZ. SCALE:	VERT. SCALE:	DATE:	DRAWING NO.:	NO. DATE	DESCRIPTION	BY
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SKL	SKL					
20121332	20121332					
2 OF 2						

5425 WARNER ROAD - SUITE 102
VALLEY VIEW, OHIO 44126
440-602-9071
FAX 216-369-0259

AZTECH
ENGINEERING + SURVEYING
Civil Engineering + Land Surveying

SITE PLAN FOR
B.R. KNEZ
CONSTRUCTION, INC.
1120 WATERFRONT PLACE
BEING SUBLOT 56 IN THE NORTH
SHORE ESTATES AT LAKE ERIE SHORES
PLAT VOLUME 50, PAGE 5-B-1
P.P.H. B-080-A-00-056-0
PAINESVILLE TOWNSHIP, COUNTY OF LAKE
STATE OF OHIO