

CONSTRUCTION ENTRANCE

SPECIFICATIONS FOR CONSTRUCTION ENTRANCE:

- 1. STONE SIZE-ODOT #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 HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FT. MINNEM LENGTH APPLIES).
- 3. THICKNESS--THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
- 4. WOTH--THE ENTRANCE SHALL BE AT LEAST 14 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
- GEOTEXTILE——A GEOTEXTRIE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT—PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECS.

GEOTEXTILE SPECIFICATION FOR	CONSTRUCTION ENTRANC
MINIMUM TENSILE STRENGTH	200 LBS.
MINIMUM PUNCTURE STRENGTH	80 PSI
MINIMUM YEAR STRENGTH	50 LBS.
MINIMUM BURST STRENGTH	320 PSI
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EOS < 0.8 MM.
PERMITEMIY	1 X 10-3 CM/SEC.

- TIMING THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
- CLEVERT---A PIPE OR CHEVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED 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 NEEDED 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 OWER 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 FREQUENT VEHICLES AND EQUIPMENT INGRESS/EGRESS IS EXPECTED SUCH AS AT THE AT THE ENTRANCE OF INDIVIDUAL BUILDING LOTS;

PLANNING CONSIDERATIONS:

THIS PRACTICE SHOULD NOT BE RELIED ON TO REMOVE MIJD FROM CONSTRUCTION TRAFFIC. MOST MIJD IS FLUNG FROM TIRES AS VEHICLES REACH SPEEDS HIGHER THAN IS REACHED ON SITE. THE BEST APPROACH TO PREVENTING OFF-SITE TRACKING IS TO KEEP VEHICLES THAT FREQUENTLY ENTER AND LEAVE A SITE, AWAY FROM MUDDY AREAS IN THE FIRST PLACE. VEHICLES SHOULD BE RESTRICTED TO STABILIZED AREAS TO THE EXTENT PRACTICAL, AND AREAS WHERE FREQUENT MIGRESS/EGRESS IS EXPECTED SHOULD BE STABILIZED.

- 9. MANTENANCE—TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND.
 MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PLIELIC ROADS, OR ANY SURFACE WHERE
 RUNOFF IS NOT CHECKED BY SEDMENT CONTROLS, SHALL BE REMOVED HAVEDIATELY. REMOVAL SHALL
 BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- 10. CONTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MILD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION—SITE SHALL BE RESTRICTED FROM MUDDLY AREAS.
- 11. REMOVAL--- THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED

LEGEND

O = IRON PIN FND

= IRON PIN SET

= MONUMENT BOX

S = SANITARY MANHOLE

D = STORM MANHOLE

₩ = WATER VALVE

= FIRE HYDRANT

CURB INLET

 $\Rightarrow = LIGHT POLE$

___ = OFFSET HUB

[] = TELEPHONE PEDESTAL

□ = ELECTRIC BOX**□** = CABLE PEDESTAL

FLOW DIRECTION

← SWALE

= INLET PROTECTION

EXISTING GRADE
PROPOSED GRADE

= PROP SILT FENCE

CURVE TABLE								
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA		
C1	22.25	30.00	11.66	21.74	N21 01'29"W	42'29'32'		
					S40'38'12'E			
CJ	59.94	3769.83	29.97	59.94	S06'46'00'E	054'40"		
					S21'41'18"E			

	7			-			
		S425 WARNER ROAD - SUITE 12 VALLEY VIEW, OHO 4425	SITE DETAILS				
HORIZ. SCALE:	VERT. SCALE:	440 000 0071	FOR				
		440-602-9071 FAX 216-360-0250	B.R. KNEZ CONSTRUCTION, INC.				
DRAWN BY: KEG	DATE: 7-31-2012		POTTERS TRAIL				
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	DRAWNG NO.: 20112519	ENGINEERING + SURVEYING	CONCORD TOWNSHIP				
JOB NO.: 20112519	SHEET: 3 OF 3	Civil Engineering + Land Surveying	LAKE COUNTY, OHIO	NO.	DATE	DESCRIPTION	BY