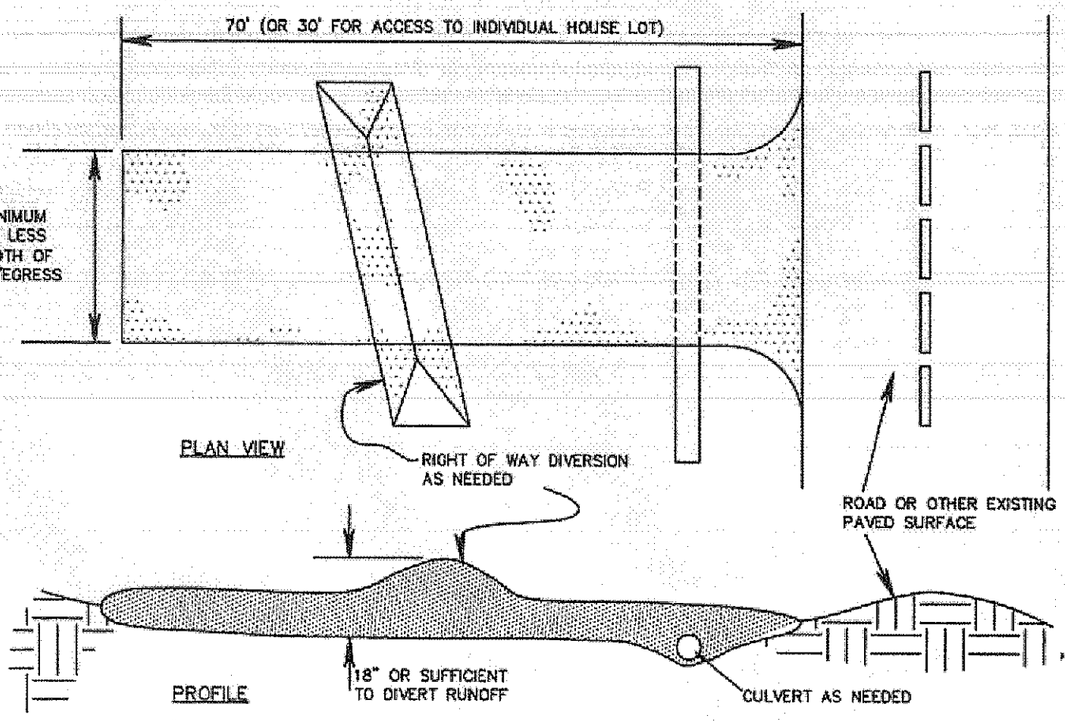


# CONSTRUCTION ENTRANCE

## 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. MINIMUM 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. WIDTH--THE ENTRANCE SHALL BE AT LEAST 14 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH 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 POLYMERIC FIBERS AND MEET THE FOLLOWING SPECS.

| GEOTEXTILE SPECIFICATION FOR CONSTRUCTION ENTRANCE | |
|---|---|
| MINIMUM TENSILE STRENGTH | 200 LBS. |
| MINIMUM PUNCTURE STRENGTH | 80 PSI |
| MINIMUM TEAR STRENGTH | 50 LBS. |
| MINIMUM BURST STRENGTH | 320 PSI |
| MINIMUM ELONGATION | 20% |
| EQUIVALENT OPENING SIZE | EOS < 0.6 MM. |
| PERMITTIVITY | 1 X 10-3 CM/SEC. |

6. TIMING --THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT--A PIPE OR CULVERT 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 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 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 MUD FROM CONSTRUCTION TRAFFIC. MOST MUD 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 INGRESS/EGRESS IS EXPECTED SHOULD BE STABILIZED.

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

*LEGEND*

- = *IRON PIN FND*
- = *IRON PIN SET CAPPED "AZTECH #8249"*
- = *MONUMENT BOX*
- = *SANITARY MANHOLE*
- = *STORM MANHOLE*
- WV = *WATER VALVE*
- = *FIRE HYDRANT*
- = *CURB INLET*
- = *LIGHT POLE*
- = *OFFSET HUB*
- = *TELEPHONE PEDESTAL*
- = *ELECTRIC BOX*
- = *CABLE PEDESTAL*
- = *FLOW DIRECTION*
- *SWALE*
- = *INLET PROTECTION*
- *EXISTING GRADE / PROPOSED GRADE*
- = *PROP SILT FENCE*

| | | | |
|---|---|---|---|
| HORIZ. SCALE: | VERT. SCALE: | 5425 WARNER ROAD - SUITE 12 VALLEY VIEW, OHIO 44125 440-602-9071 FAX 216-369-0259 | SITE DETAILS FOR K. HOVNANIAN OSTER HOMES LLC. 8360 CAMBDEN CROSSING WAY S/L 6 IN THE CAMBDEN CREEK ESTATES PHASE NO.1 PLAT VOLUME 52, PAGE 27 CONCORD TOWNSHIP LAKE COUNTY, OHIO |
| DRAWN BY: KEG | DATE: 1-22-2013 | AZTECH ENGINEERING + SURVEYING Civil Engineering + Land Surveying | |
| CHECKED BY: SRL | DRAWING NO.: 20112519 | | |
| JOB NO.: 20112519 | SHEET: 3 OF 3 | | |

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