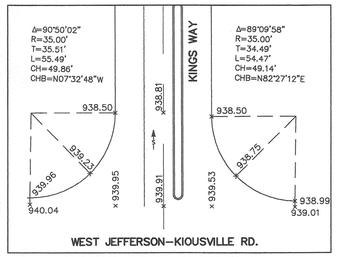
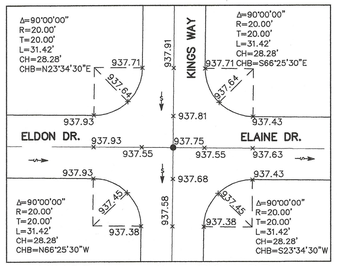


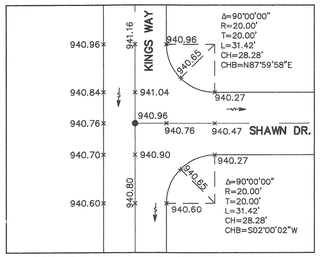
KINGS WAY @ WEST JEFFERSON-KIOUSVILLE RD

SCALE: 1" = 30'



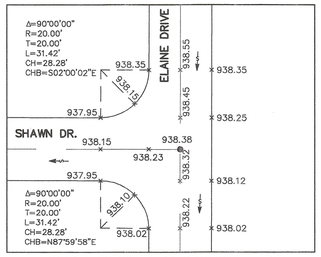
KINGS WAY @ ELDON DR. & ELAINE DR.

SCALE: 1" = 30'



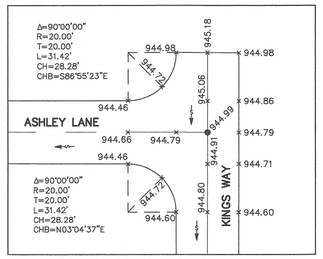
KINGS WAY @ SHAWN DR.

SCALE: 1" = 30'



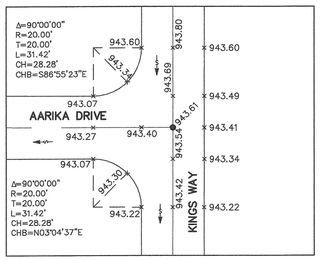
ELAINE DRIVE @ SHAWN DR.

SCALE: 1" = 30'



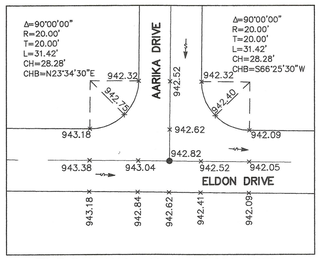
KINGS WAY @ ASHLEY LANE

SCALE: 1" = 30'



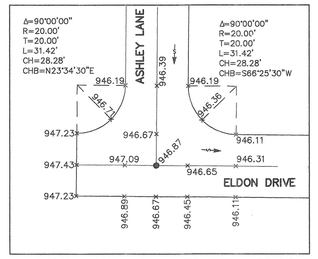
KINGS WAY @ AARIKA DR.

SCALE: 1" = 30'



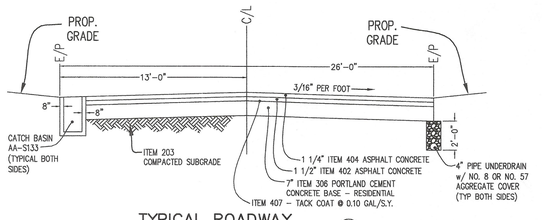
ELDON DR. @ AARIKA DR.

SCALE: 1" = 30'

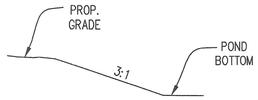


ELDON DR. @ ASHLEY LANE

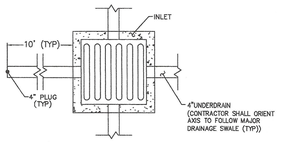
SCALE: 1" = 30'



TYPICAL ROADWAY CROSS SECTION NOT TO SCALE (1)

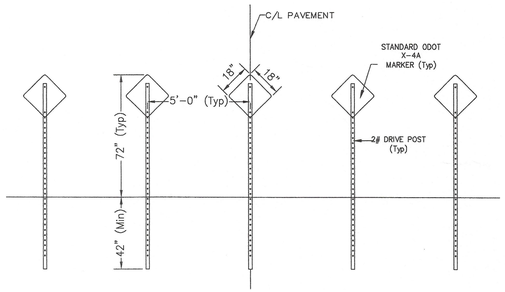


TYPICAL DETENTION POND SECTION NOT TO SCALE (2)

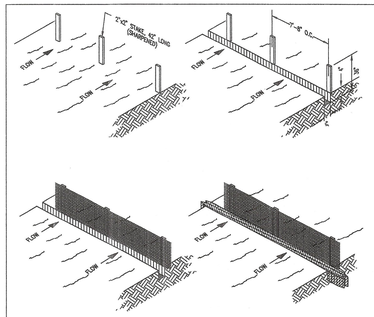


INSTALL 10' LENGTHS OF 4" PERFORATED PVC UNDERDRAIN AT ALL STRUCTURES WITHIN THE PAVEMENT SURFACE AS SHOWN ABOVE. THE UNDERDRAINS SHALL HAVE A SLOPE OF 1.0% TOWARD THE THE STRUCTURE AND SHALL HAVE THE UPSTREAM END PLUGGED. THE UNDERDRAIN SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC AFTER INSTALLATION. COST TO BE INCLUDED WITH INLET.

FINGER DRAIN DETAIL NOT TO SCALE (3)



TEMPORARY BARRICADE AT END OF PAVEMENT NOT TO SCALE (4)



SEDIMENT FENCE DETAIL

Silt Fence: This sediment barrier utilizes standard strength or extra strength synthetic filter fabrics. It is designed for situations in which only sheet or overland flows are expected.

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 joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum of a 6 inch overlap, and securely sealed.
3. Post 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 upslope 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 or 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 20-inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36-inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
7. When extra strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a 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 useful purpose, but not before the upslope area has been permanently stabilized.

Maintenance

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 immediately.

Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly.

Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.

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.

THE VERTI•PRO BY: ALPINE™ YARD INLET PROTECTION

(PATENT PENDING)

Surface of grate must be clean and free of dirt and debris. Position Verti.Pro squarely on the grate. Install toggle bolt assembly (see figure 2), the hold down plate must contact both lower frame flange and grate. The toggle bolt must engage two bars on grate. Repeat on opposite side of Verti.Pro.

The Verti.Pro has four legs that unfold just like a card table. (See figure 3) Rotate legs to upright position on diagonal corners, this will support the upper framework of the Verti.Pro. Align holes in each leg with the two holes in upper frame. Insert a plastic retainer in each of the holes from the outside in.

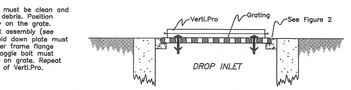


FIGURE 1

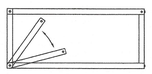


FIGURE 3

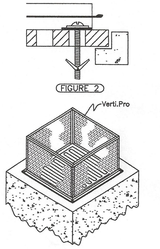


FIGURE 2

Maintenance: Inspect after each rain event. Remove debris and captured sediment when deposits reach 7" or 1/2 the height of the Verti.Pro. Remove captured debris from the Verti.Pro fabric with a stiff bristle brush.

ALPINE STORMWATER MANAGEMENT COMPANY
4127 Broadway, Suite B
Grove City, Ohio 43123
888-539-8240 Toll Free
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REVISIONS:

PROJECT #: 1156

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