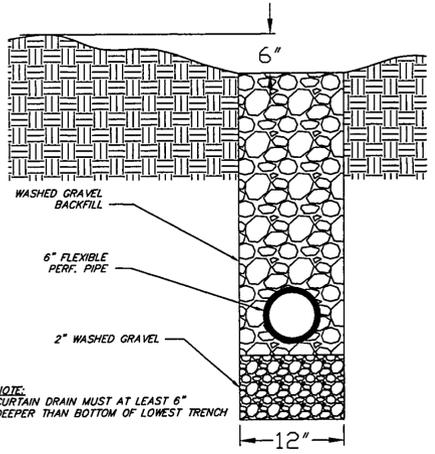


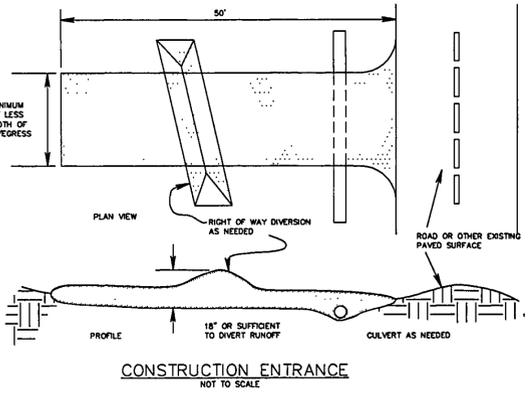
LAKE COUNTY HEALTH DEPARTMENT NOTES:

DRIP DISTRIBUTION FIELD (DRIP TUBING ON 2' MOUNDING SAND)

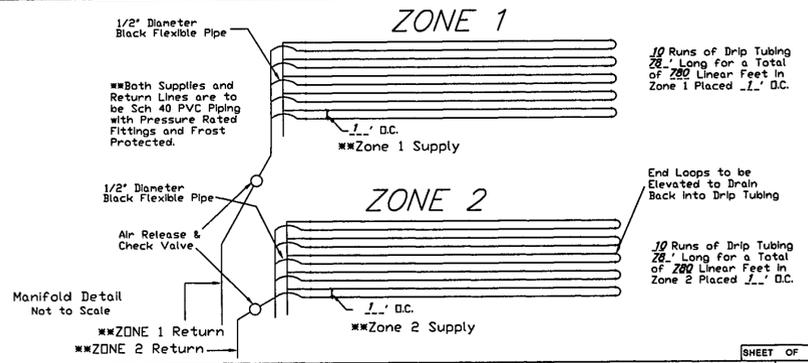
- NO HEAVY EQUIPMENT SHALL BE OPERATED OVER THE DISTRIBUTION FIELD.
- AREAS FOR DISTRIBUTION FIELD AND REPLACEMENT AREAS SHALL BE STAKED AND ROPED TO PREVENT ACCESS DURING ALL CONSTRUCTION ACTIVITIES ON THE SITE.
- NO PARKING OR MATERIAL STORAGE IS PERMITTED IN AREAS DESIGNATED FOR THE DISTRIBUTION FIELD.
- LOCALIZED DEPRESSIONS MAY BE FILLED WITH MOUND SAND AND TOP DRESSED WITH TOPSOIL AND SEEDED. (MAXIMUM FILL PERMITTED IS 6" DEPTH)
- ALL INSTALLATION AND CONSTRUCTION TECHNIQUES MUST CONFORM TO THE LAKE COUNTY GENERAL HEALTH DISTRICT REGULATIONS AND OTHER CODES AND REGULATIONS THAT HAVE JURISDICTION.



CURTAIN DRAIN CROSS SECTION
SCALE: NTS



CONSTRUCTION ENTRANCE
NOT TO SCALE



ZONE LAYOUT

Homeowner
Address
County, Ohio

DR. BY: DCM
CK. BY: EJK
DATE: 2005

StreamKey Inc.
Geotech Solutions
19915 Shaker Blvd
Cincinnati, OH 45244
513-742-9220

FILE: 9XXXX-RA

CONSTRUCTION ENTRANCE

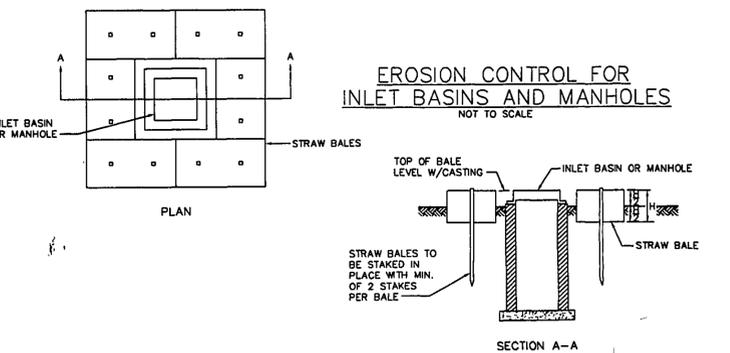
DESCRIPTION:
A CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF AGGREGATE OVER A GEO-TEXTILE BASE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC.

CONDITIONS WHERE PRACTICE APPLIES:
A CONSTRUCTION ENTRANCE SHOULD BE USED:

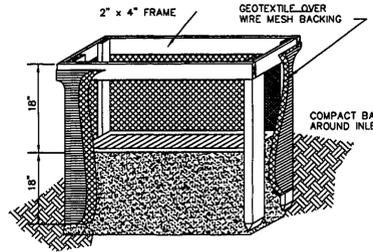
- WHERE CONSTRUCTION VEHICLES LEAVE ACTIVE CONSTRUCTION AREAS ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS;
- AT ALL POINTS OF EGRESS TO PUBLIC ROADS;
- WHERE FREQUENT VEHICLE AND EQUIPMENT INGRESS/EGRESS IS EXPECTED SUCH AS AT THE ENTRANCE OF INDIVIDUAL BUILDING LOTS.

PLANNING CONSIDERATIONS:
THIS PRACTICE SHOULD 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.



EROSION CONTROL FOR INLET BASINS AND MANHOLES
NOT TO SCALE



INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS
NOT TO SCALE

EROSION AND SEDIMENT CONTROL

INGRESS-EGRESS
A STONE ACCESS DRIVE COMPLETE WITH UNDERLYING GEO-TEXTILE FABRIC (20 FEET WIDE AND 50 FEET LONG) FOR INGRESS AND EGRESS AT THE SITE SHALL BE PROPERLY INSTALLED. THIS DRIVE SHALL BE THE ONLY ENTRANCE AND EXIT TO THE SITE.

SILT FENCE
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO ANY EARTHWORK ACTIVITIES AT THE SITE IN THE LOCATIONS SHOWN ON THE PLAN AS WELL AS ALONG THE FRONT OF ANY LOT THAT SLOPES TOWARDS THE STREET.

TEMPORARY SEEDING
DISTURBED AREAS OF THE SITE THAT ARE TO REMAIN IDLE FOR MORE THAN TWENTY ONE (21) DAYS SHALL BE PROPERLY SEEDED AND STRAW MULCHED WITHIN SEVEN (7) DAYS OF COMPLETION OF INITIAL GRADING. TEMPORARY SEEDING AND MULCHING OF A THIRTY (30) FOOT STRIP OF THE ENTIRE FRONT 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 WETLAND SHALL BE COMPLETE WITHIN TWO (2) DAYS OF THE DISTURBANCE IF THE SITE IS TO REMAIN INACTIVE FOR LONGER THAN FOURTEEN (14) DAYS.

MULCHING
STRAW MULCH SHALL BE APPLIED AT A RATE OF 1 BALE PER TEN (10) FEET OF CURB, AT A WIDTH OF THIRTY (30) FEET OF THE ENTIRE LENGTH OF THE LOT. WOOD CHIPS MAY ALSO BE USED BUT MUST BE SPREAD AT A MINIMUM DEPTH OF FOUR INCHES OVER THE THIRTY (30) FOOT WIDTH AND MUST BE ACCOMPANIED BY A PROPERLY INSTALLED SILT FENCE.

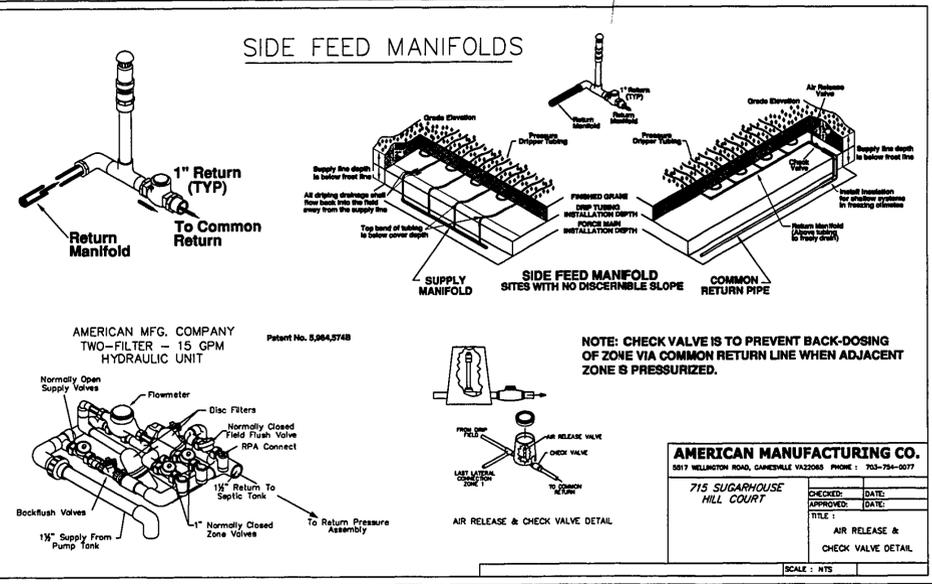
MAINTENANCE
EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. NECESSARY REPAIRS SHALL BE MADE AT THIS TIME.

NOTE:
ALL EROSION AND SEDIMENT CONTROL SPECIFICATIONS, APPLICATIONS, AND TIMETABLES ARE BASED ON THE DESCRIPTIONS AND STANDARDS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES "RAINWATER AND LAND DEVELOPMENT MANUAL" AND CAN BE FOUND IN THE LAKE COUNTY EROSION AND SEDIMENT CONTROL RULES AS ADOPTED DECEMBER 21, 1999.

THE SPECIFIED EROSION AND SEDIMENT CONTROL STANDARDS ARE GENERAL GUIDELINES AND SHALL NOT LIMIT THE RIGHT OF THE COUNTY TO IMPOSE, AT ANY TIME, ADDITIONAL, MORE STRINGENT, REQUIREMENTS. NOR SHALL THE STANDARDS LIMIT THE RIGHT OF THE COUNTY TO LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT.

SPECIFICATIONS FOR CONSTRUCTION ENTRANCE:

- STONE SIZE--TWO-INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH--THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50 FT. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FT. MINIMUM LENGTH APPLIES).
- THICKNESS--THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK.
- WIDTH--THE ENTRANCE SHALL BE AT LEAST 10 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
- BEDDING--A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.
- 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.
- 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.
- 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.
- CONSTRUCTION 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.



SIDE FEED MANIFOLDS

AMERICAN MFG. COMPANY
TWO-FILTER - 15 GPM
HYDRAULIC UNIT

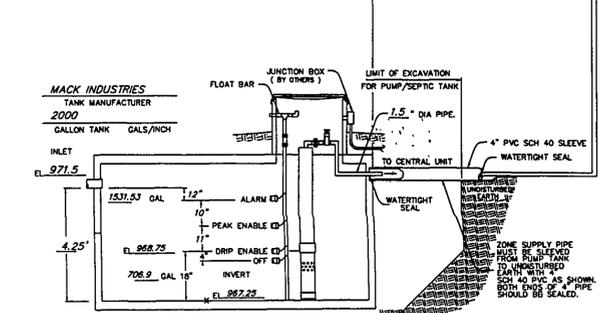
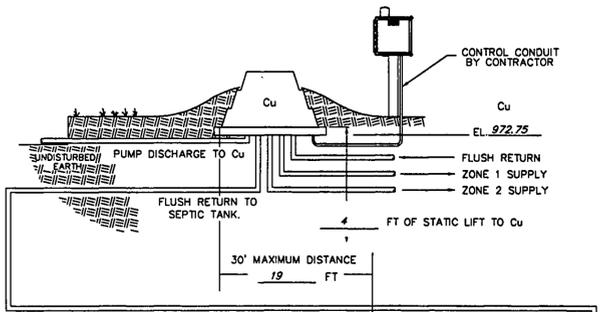
Patent No. 5,364,574B

NOTE: CHECK VALVE IS TO PREVENT BACK-DOSING OF ZONE VIA COMMON RETURN LINE WHEN ADJACENT ZONE IS PRESSURIZED.

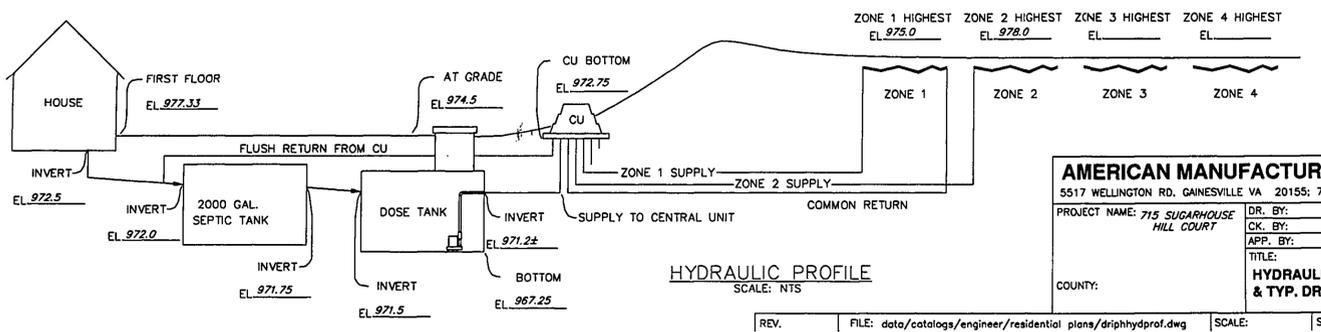
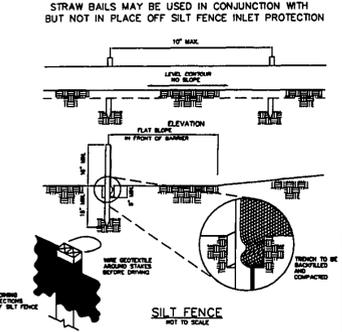
AMERICAN MANUFACTURING CO.
5517 WELLINGTON ROAD, GAINESVILLE VA 20155-703-754-0077

715 SUGARHOUSE HILL COURT

CREATED: DATE: _____
APPROVED: DATE: _____
TITLE: _____
AIR RELEASE & CHECK VALVE DETAIL



DRIP DOSE TANK DETAIL
NTS



AMERICAN MANUFACTURING CO.
5517 WELLINGTON RD. GAINESVILLE VA 20155-703-754-0077

PROJECT NAME: 715 SUGARHOUSE HILL COURT

DR. BY: DATE: _____
CK. BY: DATE: _____
APP. BY: DATE: _____
TITLE: _____
HYDRAULIC PROFILE & TYP. DRIP DETAILS

COUNTY: _____

AMERICAN MANUFACTURING CO.
5517 WELLINGTON RD. GAINESVILLE VA 20155-703-754-0077

PROJECT NAME: 715 SUGARHOUSE HILL COURT

DR. BY: DATE: _____
CK. BY: DATE: _____
APP. BY: DATE: _____
TITLE: _____
Pump and Control Detail

COUNTY: _____

38879 MENTOR AVENUE SUITE A
WILLOUGHBY OHIO 44094
440-602-9071



ENGINEERING and SURVEYING
Civil Engineering - Land Surveying

SHEET CONTENT

DETAILS

FOR

JOSEPH & SANDY MATIJEVIC

7519 SUGARHOUSE HILL COURT
P.P.#20-A-025-D-00-003-0

BEING SUBLOT 3 IN THE RESERVE
AT STONE CREEK SUBDIVISION
PLAT VOLUME 50, PAGE 31

CITY OF KIRTLAND
COUNTY OF LAKE
STATE OF OHIO

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	8/29/06	REVISED PER L.C.H.D.	CL

HORIZ. SCALE		VERT. SCALE	
DRAWN BY	DATE	DRAWN BY	DATE
WFB	8-7-06	DRAWING NO	161879
CHECKED BY	DATE	SHEET	2 OF 2
SRL			
JOB NO			
161879			