

DRIp ZONE CROSS SECTION  
SCALE: NTS

TEMPORARY SEEDING				
SEEDING DATES	SPECIES	Lb./1,000 S.F.	PER ACRE	
MARCH 1 - AUGUST 15	TALL FESCUE	3	4 BUSHEL	
	ANNUAL RYEGRASS	1	40 LB.	
	PERENNIAL RYEGRASS	1	40 LB.	
	TALL FESCUE	1	40 LB.	
AUGUST 16 - NOVEMBER 1	RYE	3	2 BUSHEL	
	ANNUAL RYEGRASS	1	40 LB.	
	WHEAT	3	2 BUSHEL	
	ANNUAL RYEGRASS	1	40 LB.	
NOVEMBER 1 - SPRING	PERENNIAL RYEGRASS	1	40 LB.	
	TALL FESCUE	1	40 LB.	
	ANNUAL RYEGRASS	1	40 LB.	
	USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING			

#### 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 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 SITE 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.

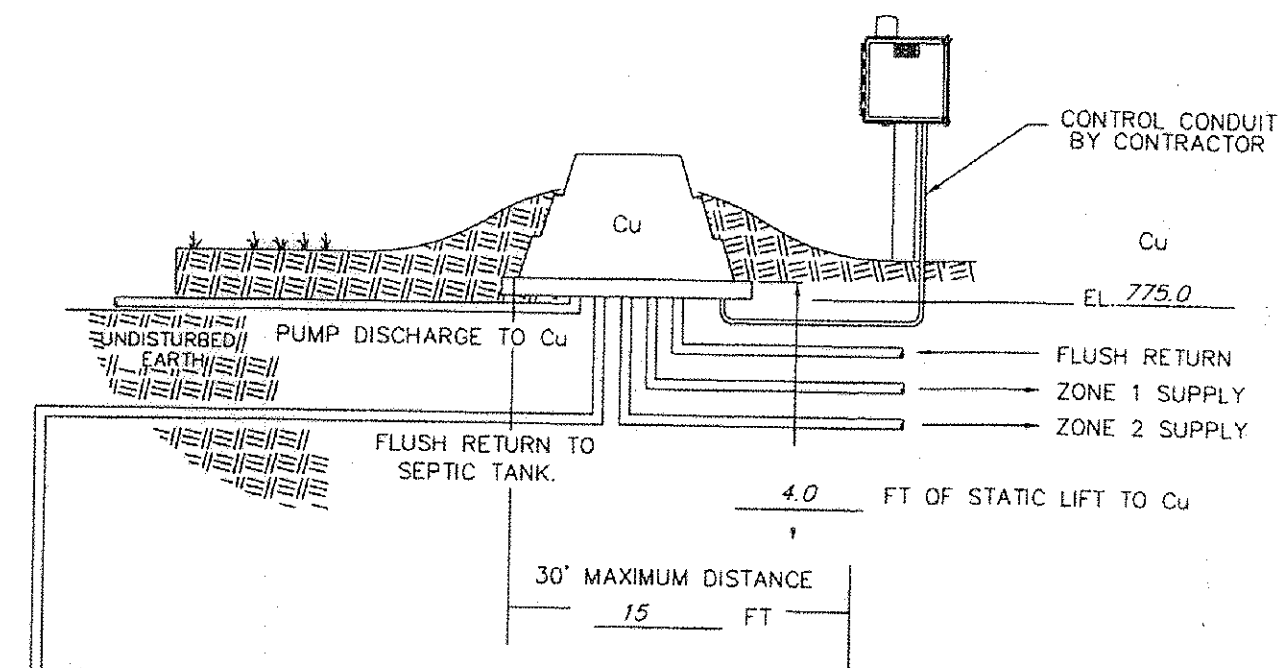
##### MAINTENANCE

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.



DRIp DOSE TANK DETAIL  
NTS

AMERICAN MANUFACTURING CO. 5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077	
PROJECT NAME: JERRY SEIMON & MARIANNE SUMEGO RUSSELLHURST DRIVE KIRTLAND, OHIO	DR. BY: DATE: CK. BY: DATE: APP. BY: DATE: TITLE: Pump and Control Detail
S:\DATA\Catalogs\Engineer\Residential Plans\04-MICROMOUND\Drp1Pump.dwg SCALE: SHEET OF	

#### 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:

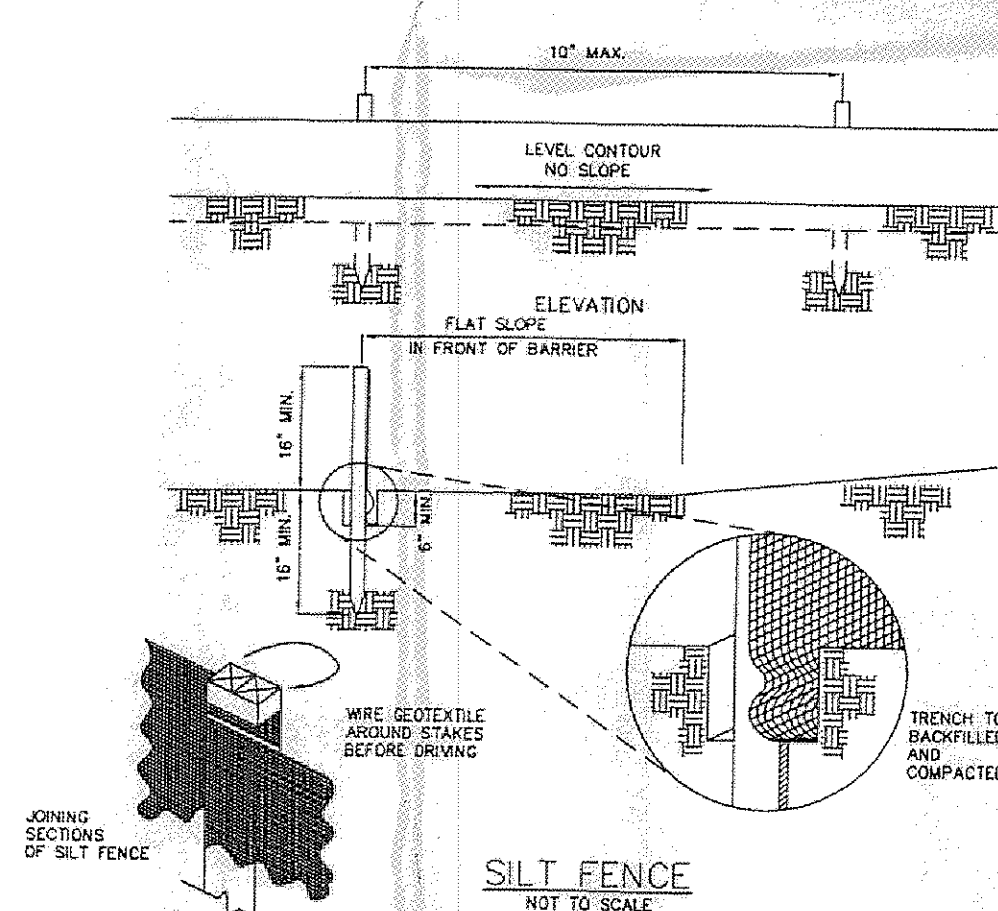
THIS PRACTICE SHOULD BE RELIED ON TO REMOVE MUD FROM CONSTRUCTION TRAFFIC.

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.

##### 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 30 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 100 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 SOILED, 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.

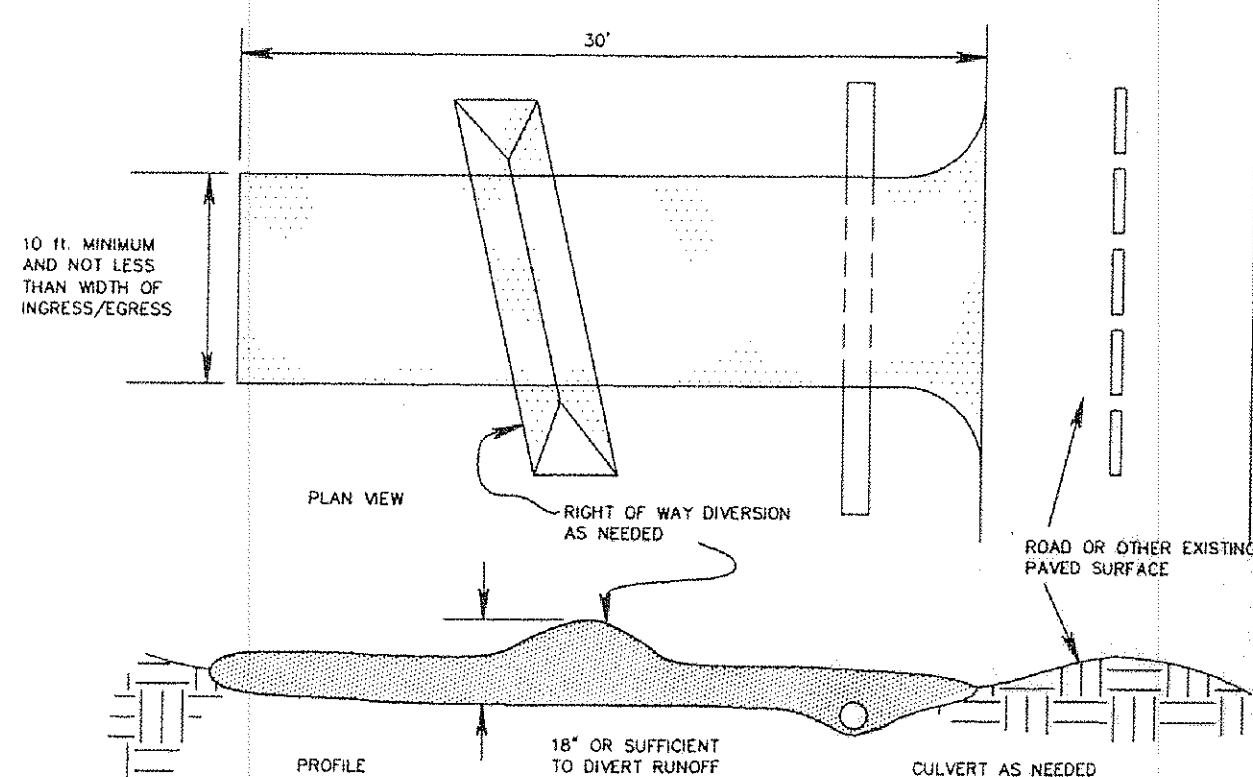
STRAW BAILS MAY BE USED IN CONJUNCTION WITH BUT NOT IN PLACE OF SILT FENCE INLET PROTECTION



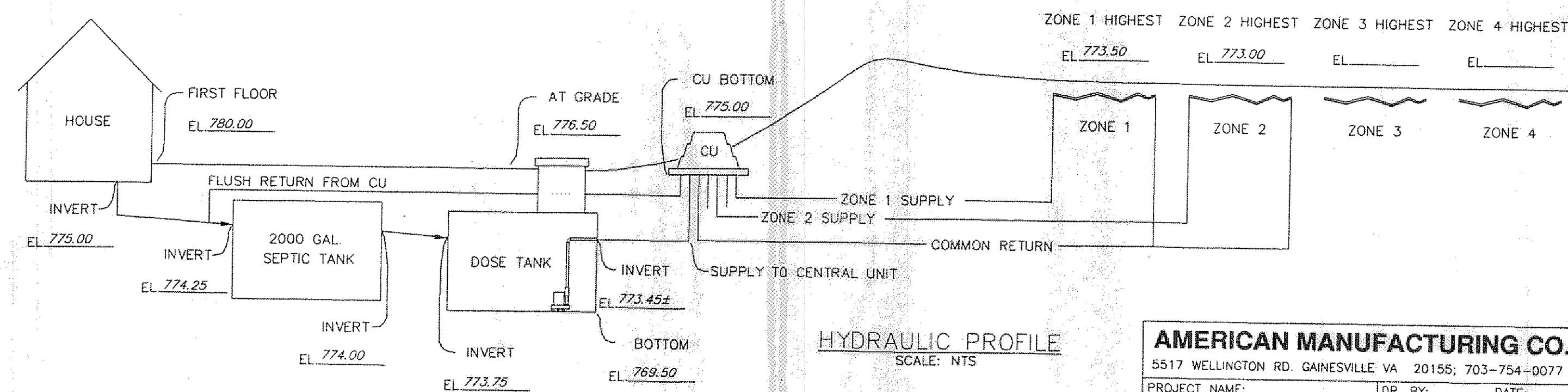
SILT FENCE  
NOT TO SCALE

#### LAKE COUNTY HEALTH DEPARTMENT NOTES:

- DRIp DISTRIBUTION FIELD (DRIp TUBING TO BE FLOWED IN @ A DEPTH OF 8" @ 2' O.C.)
- DRIp INSTALLER TO CONSULT WITH DRIp DESIGNER AND L.C.H.D. FOR ANY CHANGES
- 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.
- NO HEAVY EQUIPMENT SHALL BE OPERATED OVER THE DISTRIBUTION FIELD.
- BASAL AREA OF BOTH ZONES TO BE CHISEL-PLOWED 4" IN DEPTH.
- ALL INSTALLATION AND CONSTRUCTION TECHNIQUES MUST CONFORM TO THE LAKE COUNTY GENERAL HEALTH DISTRICT REGULATIONS AND OTHER CODES AND REGULATIONS THAT HAVE JURISDICTION.
- INSTALLER TO PROVIDE AS-BUILT OF DRIp SYSTEM TO HOME OWNER AND LAKE COUNTY GENERAL HEALTH DEPARTMENT.
- SEPTIC APPROVAL IS GOOD FOR 1 YEAR PERIOD.
- SWITCHES, CONTROLS, ALARMS & ELECTRICAL COMPONENTS SHALL BE UL OR CSA LISTED PRODUCTS, NATIONAL ELECTRIC CODE 3701-29-11-E-G.
- FOR THE START-UP, CONTRACTOR SHALL MEASURE DOSING FLOW RATE, FLUSHING FLOW RATE AND A METER READING FOR THE LAKE COUNTY GENERAL HEALTH DEPARTMENT.
- HOME OWNER SHALL CONTRACT WITH A CERTIFIED SERVICE PROVIDER FOR MAINTENANCE AND OPERATION OF DRIp SYSTEM. INSPECTION OF SYSTEM WILL BE BY CERTIFIED SERVICE PROVIDER AND REPORTS ARE TO BE SUBMITTED TO THE LAKE COUNTH GENERAL HEALTH DEPARTMENT.



CONSTRUCTION ENTRANCE  
NOT TO SCALE



HYDRAULIC PROFILE  
SCALE: NTS

AMERICAN MANUFACTURING CO. 5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077	
PROJECT NAME: JERRY SEIMON & MARIANNE SUMEGO RUSSELLHURST DRIVE KIRTLAND, OHIO	DR. BY: DATE: CK. BY: DATE: APP. BY: DATE: TITLE: HYDRAULIC PROFILE & TYP. DRIp DETAILS
COUNTY:	

5425 WARNER ROAD - SUITE 12  
VALLEY VIEW, OHIO 44125  
440-602-9071

**AZTECH**  
FAX 216-369-0259

ENGINEERING and SURVEYING

Civil Engineering · Land Surveying

#### SHEET CONTENT

#### SITE DETAILS

FOR

**JERRY SEIMON &  
MARIANNE SUMEGO**

RUSSELLHURST DRIVE

BEING A PART OF  
LOT NO. 43, TRACT NO.1  
P.P.#20-A-006-H-00-038-0

SITUATED IN THE  
CITY OF KIRTLAND  
COUNTY OF LAKE  
STATE OF OHIO

REVISIONS			
NO.	DATE	DESCRIPTION	BY

HORIZ. SCALE	VERT. SCALE
DRAWN BY KEG	DATE 1-26-2010
CHECKED BY SRL	DRAWING NO 192285
JOB NO 192285	SHEET 2 OF 3