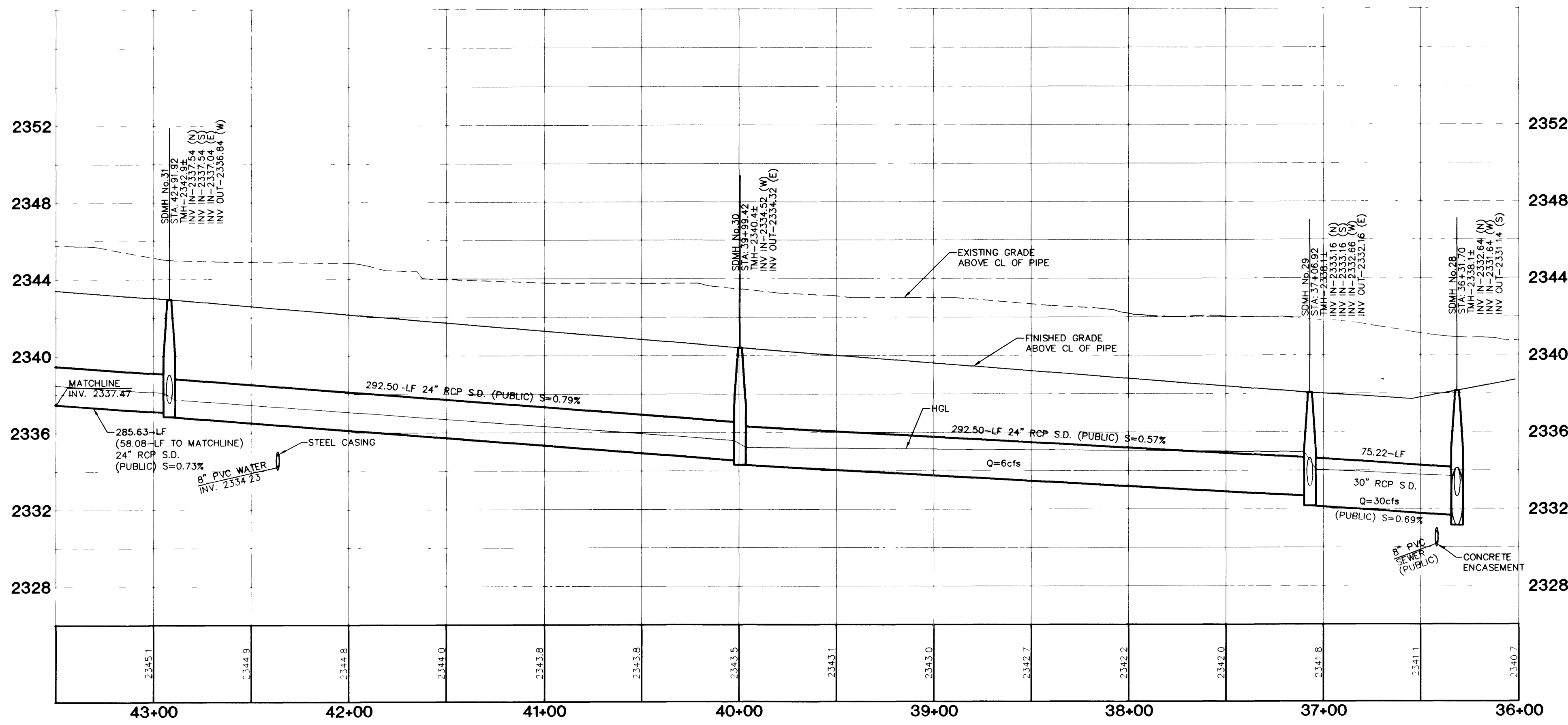
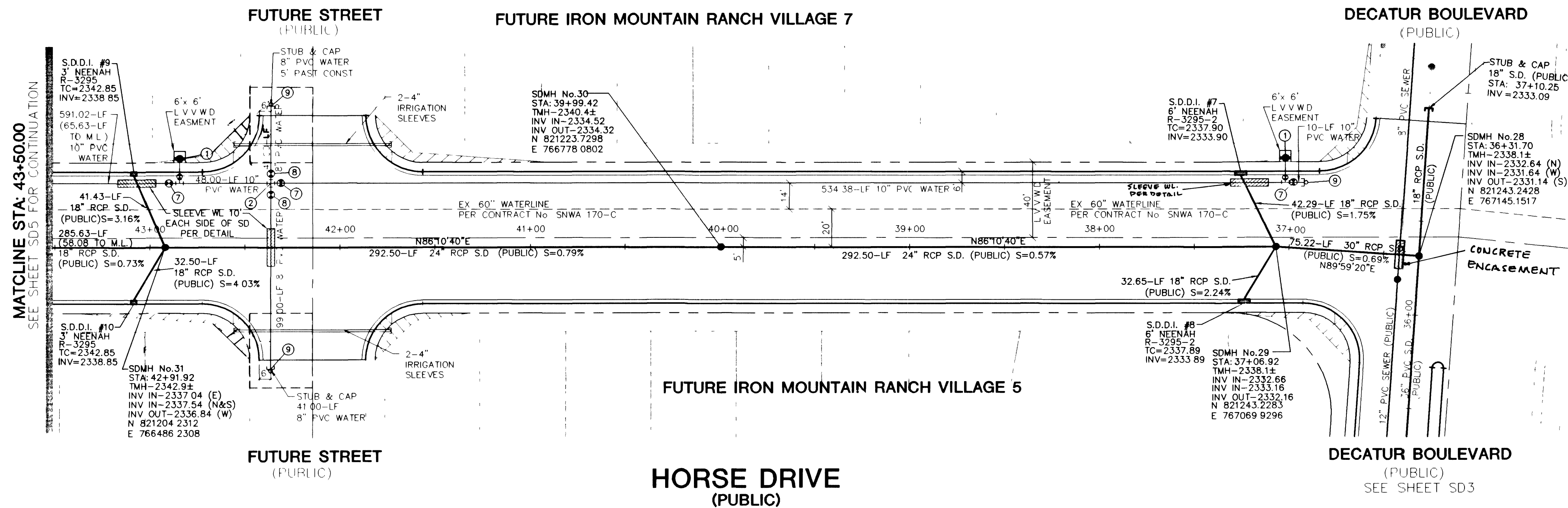




- WATERLINE LEGEND**
SEE SHEET C3 FOR QUANTITIES
- ① FIRE HYDRANT ASSEMBLY (PER UDACS PLATE No. 7)
 - ② 10" X 8" CROSS
 - ③ 12" X 8" TEE
 - ④ 12" CROSS
 - ⑤ 12" X 8" CROSS
 - ⑥ 12" GATE VALVE
 - ⑦ 10" GATE VALVE
 - ⑧ 8" GATE VALVE
 - ⑨ CAP W/ 2" B.O. (PER UDACS PLATE No. 4)
 - ⑩ CAP ONLY
 - ⑪ 12" X 10" REDUCER
 - ⑫ 45° ELBOW
 - ⑬ 22" ELBOW
 - 12" PVC WATER
 - 10" PVC WATER
 - 8" PVC WATER

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE, (2701), DETERMINED BY CLARK COUNTY GIS CONTROL POINTS 802, 803, 804, AND 805, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

BENCHMARK
PROJECT DATUM NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV90-13NES
NAVD88 ELEVATION: 710.9608 METERS (2332.54 FEET)
ONLY BM 413148, DECATUR BLVD & GRAND TETON DRIVE
100' SW OF SECTION CORNER, NEXT TO METAL POWER POLE

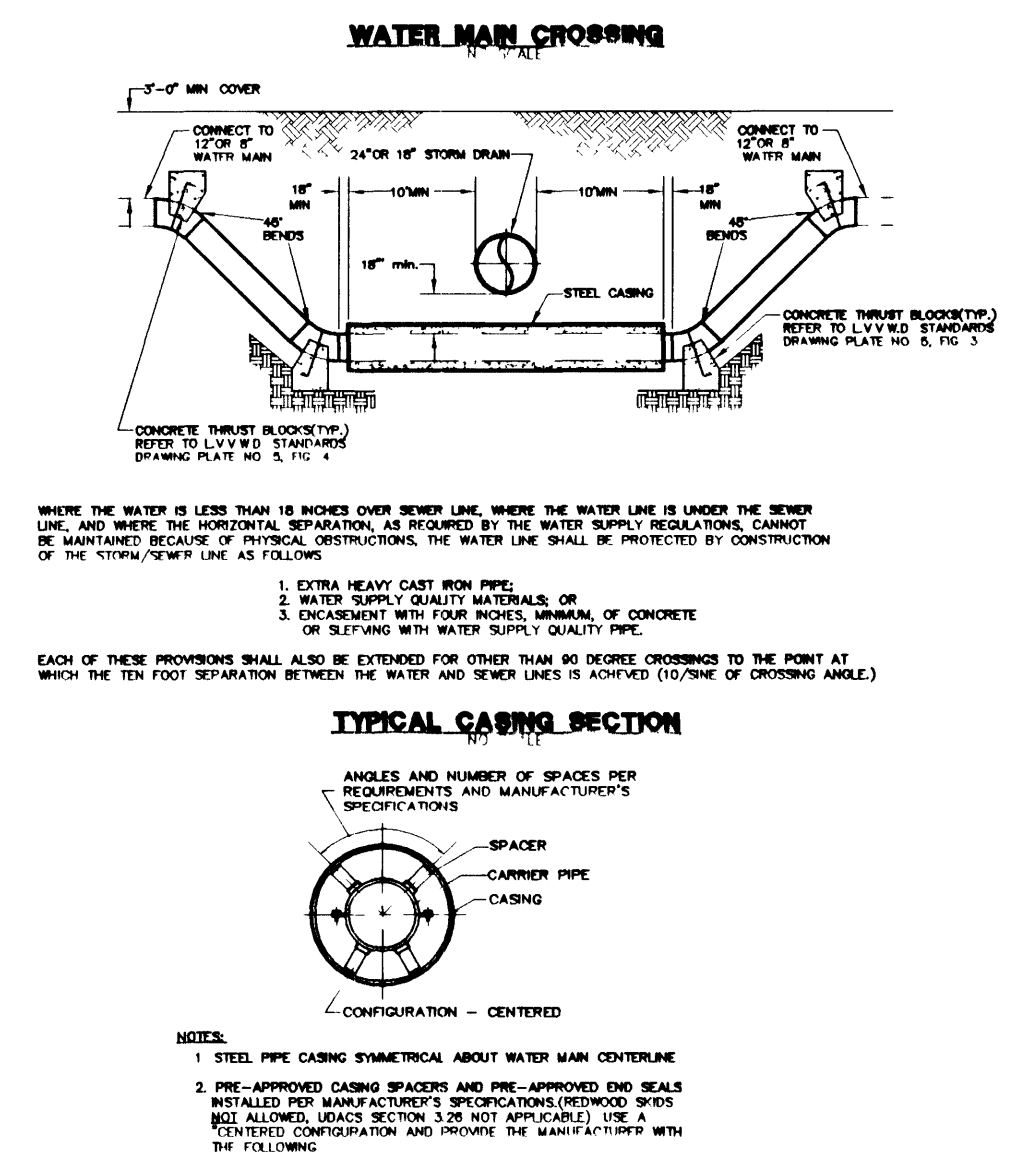
Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

Avoid overhead power line contact. It's costly.
Call before you Overhead
1-702-593-6111

NOTE: CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

NOTE: ALL MH STATIONING IS BASED ON SEWER LENGTHS FROM MANHOLE TO MANHOLE. ALL MANHOLES ARE 72" SIZE MANHOLES PER STD. DWG #SD-1. UNLESS OTHERWISE SPECIFIED.

NOTE: MANHOLES TEN (10') FEET OR DEEPER ARE REQUIRED TO HAVE LOCKING MANHOLE COVERS.



PIPE CASING NOTES:
1. STEEL PIPE CASING SHALL BE FABRICATED FROM A MINIMUM OF 1/4" THICK STEEL PLATES CONFORMING TO THE REQUIREMENTS OF ASTM A500, GRADE B. C OR D. ALL JOINTS SHALL BE WELDED. INTERIOR JOINTS SHALL BE WELDED TO A BUTT JOINT. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1. WELDING SHALL BE WITNESSED BY A QUALIFIED WELDER. WELDED JOINTS SHALL BE STRENGTH TESTED IN ACCORDANCE WITH AWS D1.1. WELDED JOINTS SHALL BE STRENGTH TESTED IN ACCORDANCE WITH AWS D1.1. WELDED JOINTS SHALL BE STRENGTH TESTED IN ACCORDANCE WITH AWS D1.1.
2. THE PIPE SHALL BE SUPPORTED AT EACH END JOINT WITH SPACERS. AFTER INSTALLATION OF THE PIPE, THE CASING SHALL BE SEALED AT BOTH ENDS WITH CASING END SEALANT/TAPE FROM PIPE JOINTS. CASING ARE TO BE REINFORCED.

APPROVED FOR CONSTRUCTION
John P. [Signature]
LAS VEGAS VALLEY WATER DISTRICT
DATE: 12-19-01

CITY OF LAS VEGAS		KB HOME		STORM DRAIN PLAN & PROFILE		HORSE DRIVE		STA: 36+317.0 TO STA: 43+50.00		IRON MOUNTAIN RANCH		HORSE/ THOM/ DECATUR		INFRASTRUCTURE	
7	6	5	4	3	2	1	REV	DATE	BY	REVISION					
										2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148 PH (702) 873-7550 FAX (702) 362-2597					
										neveda CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS					
										DRAWN BY: JULY '01 DESIGNED BY: JULY '01 CHECKED BY: AUG. '01 PROJECT NO: 5995 SCALE: 1"=40' HORIZ. 1"=4' VERT.					
										PROFESSIONAL ENGINEER KENNETH NICHOLSON 10539 YOUNG RD 12.16.01					
										SHEET SD4 29 OF 33 SHEETS DRAWING NO 327 Y-4 004-H					