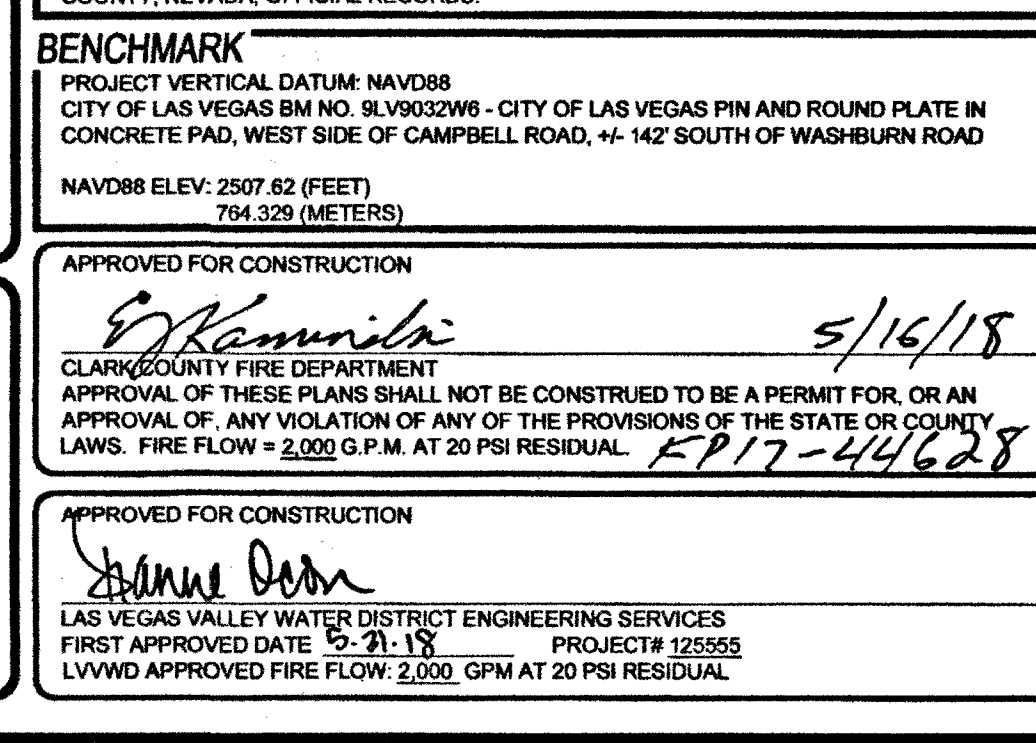
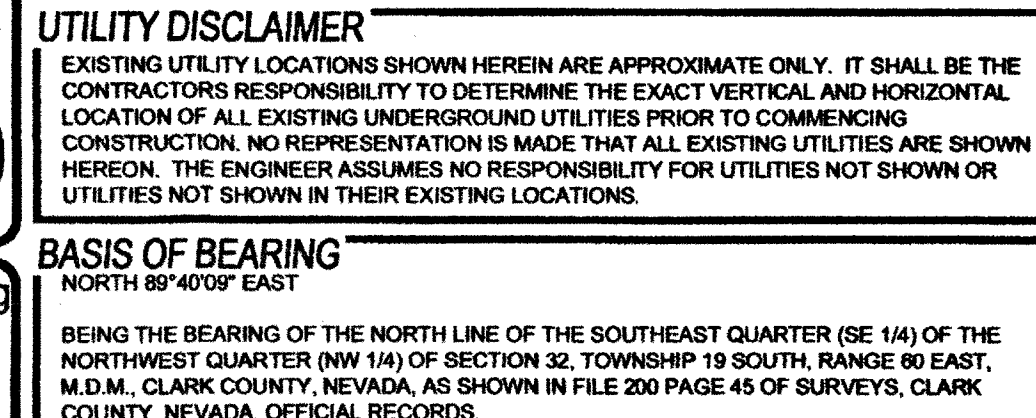
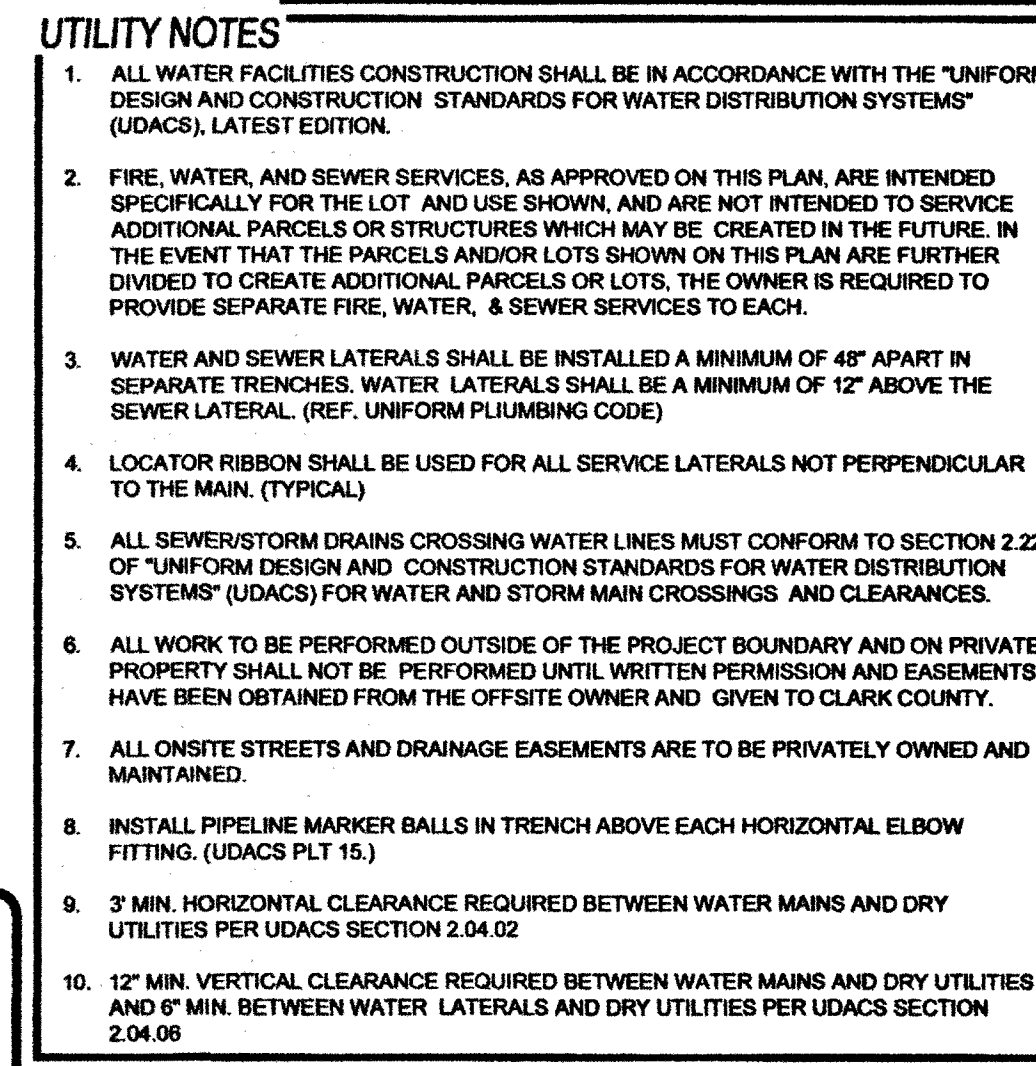
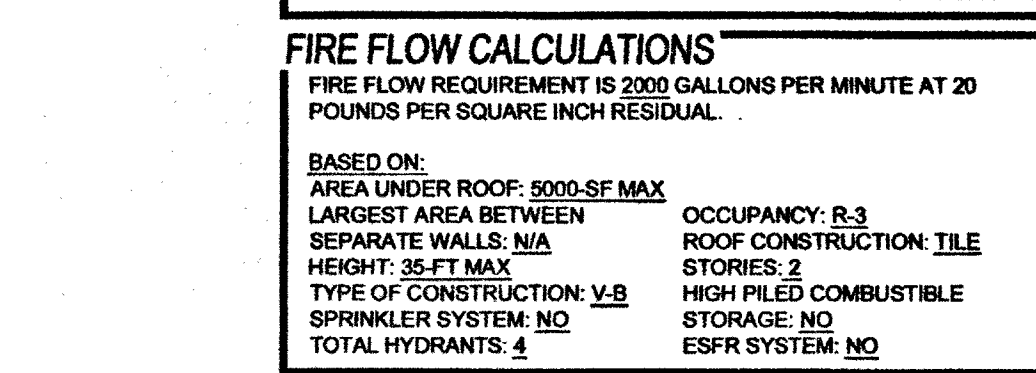
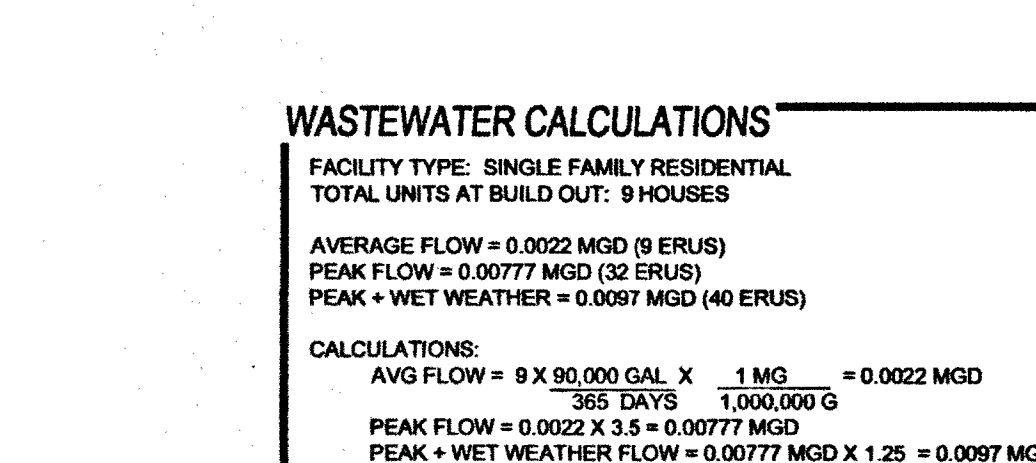
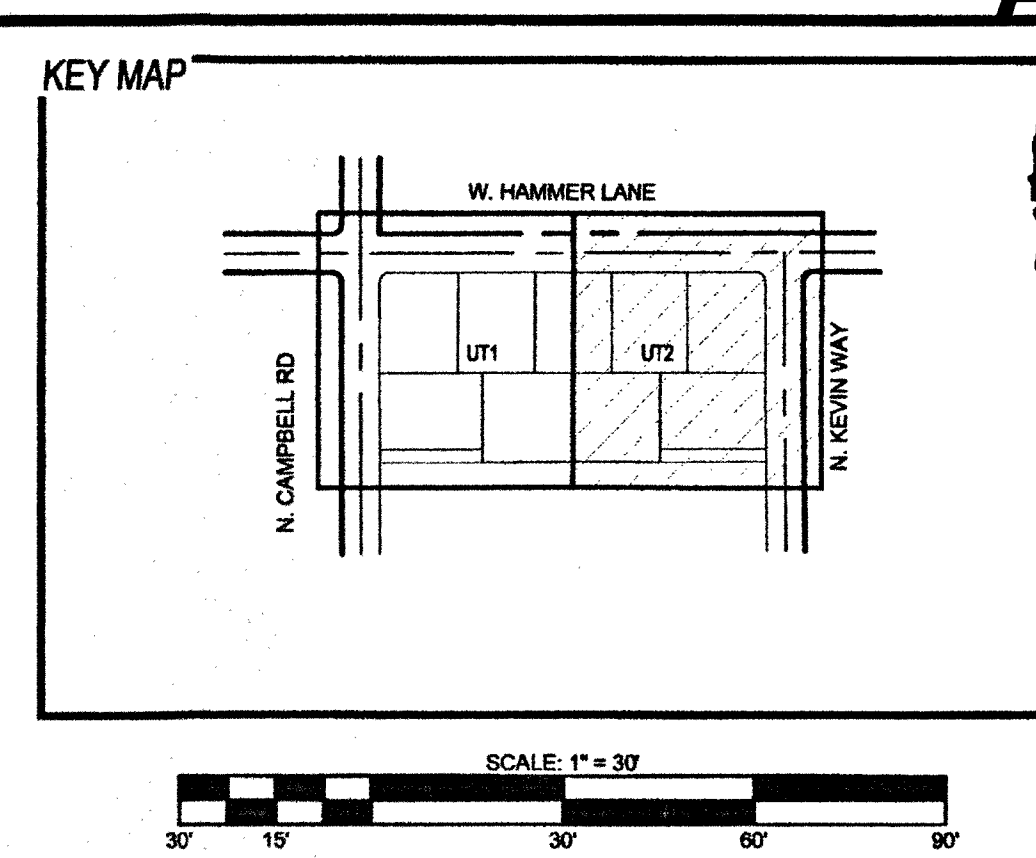
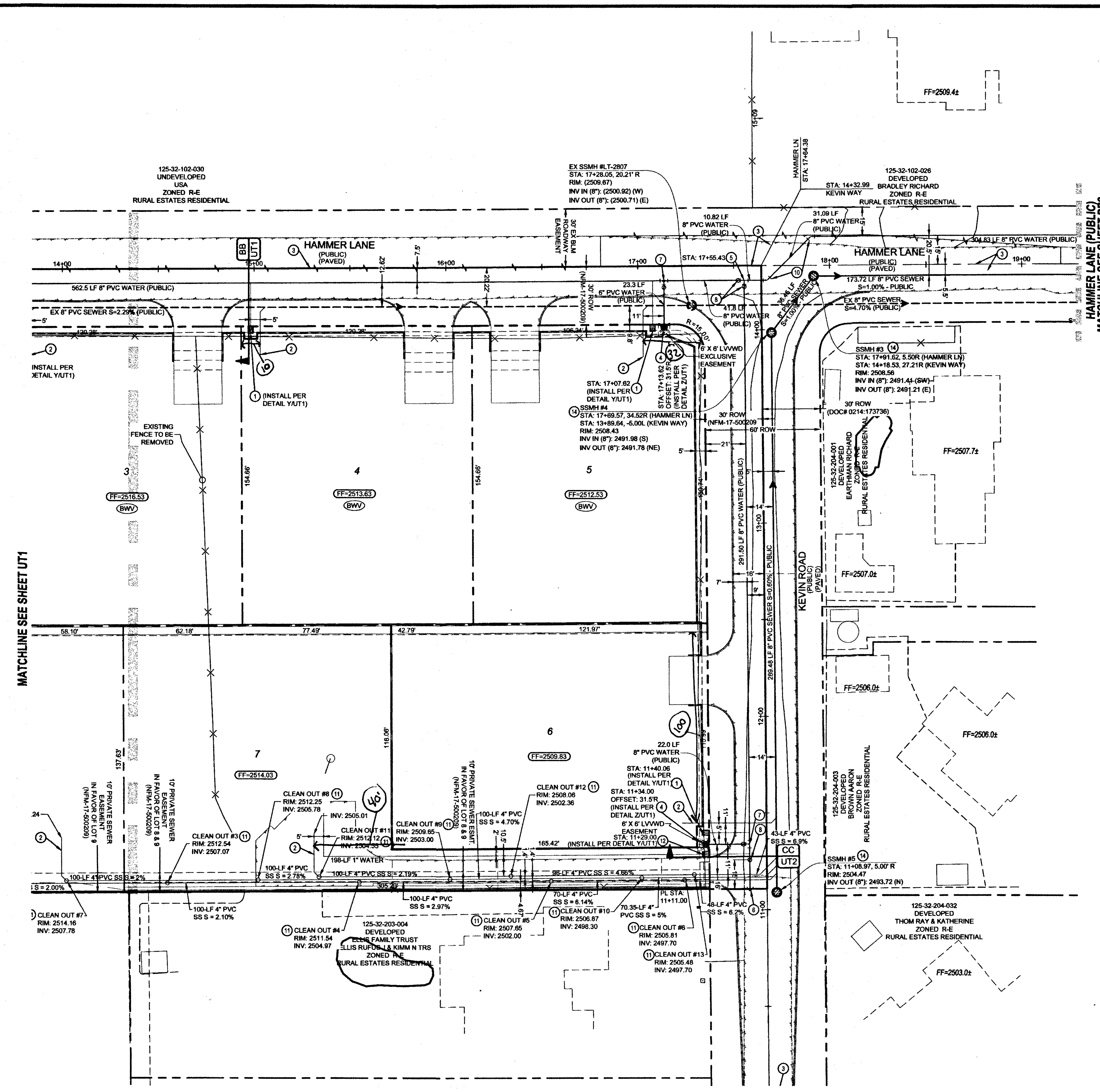
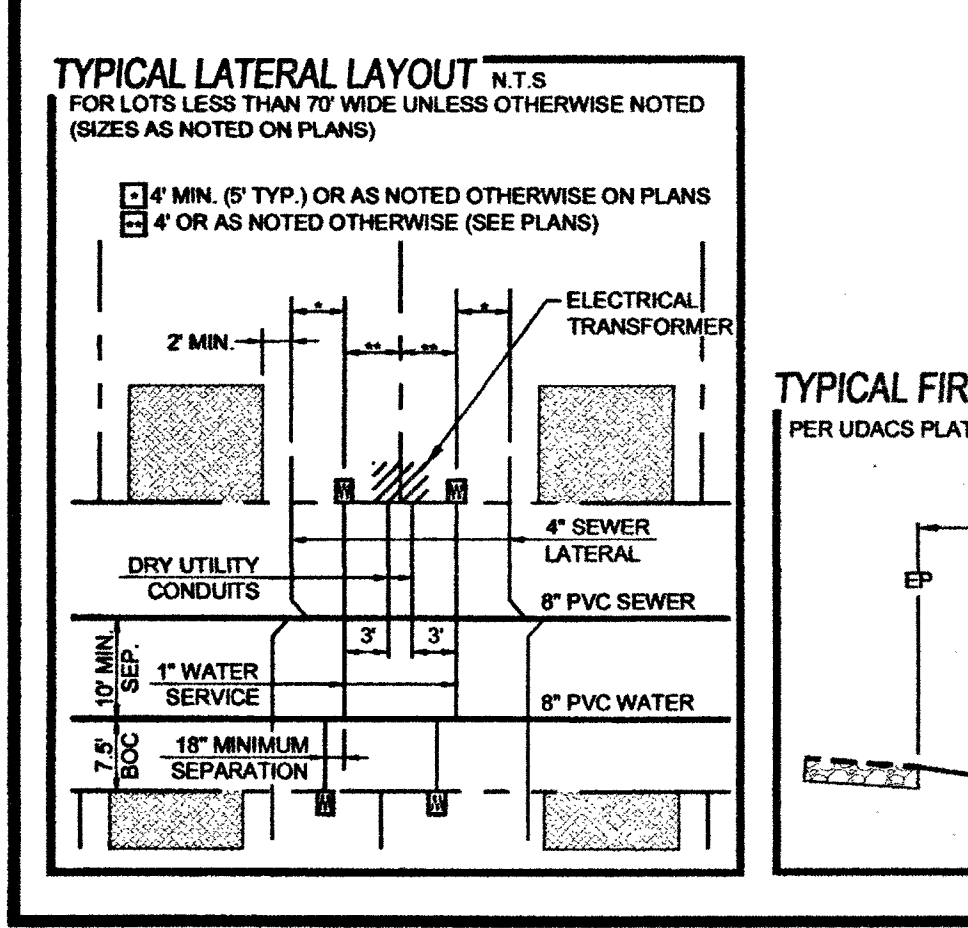
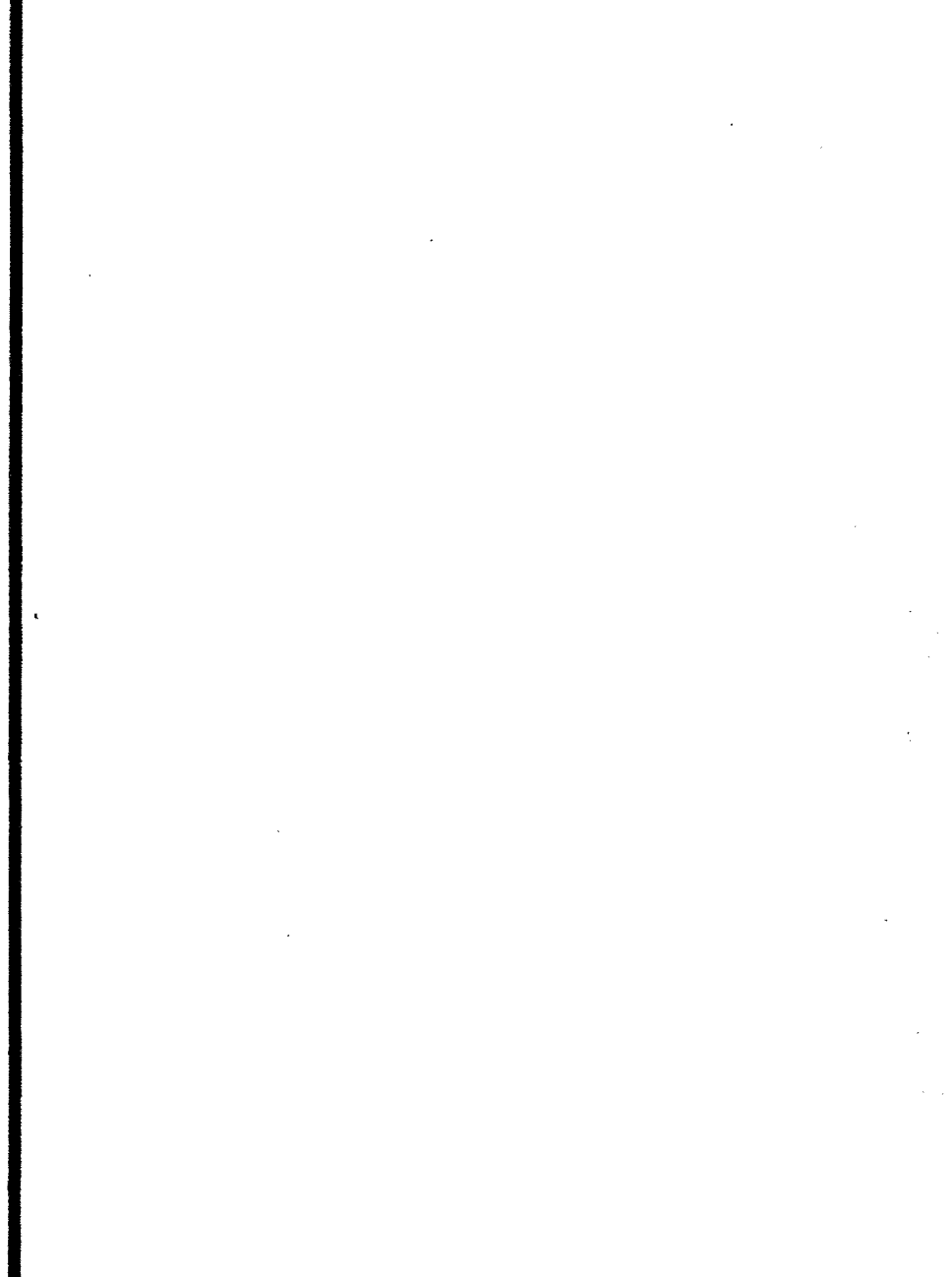
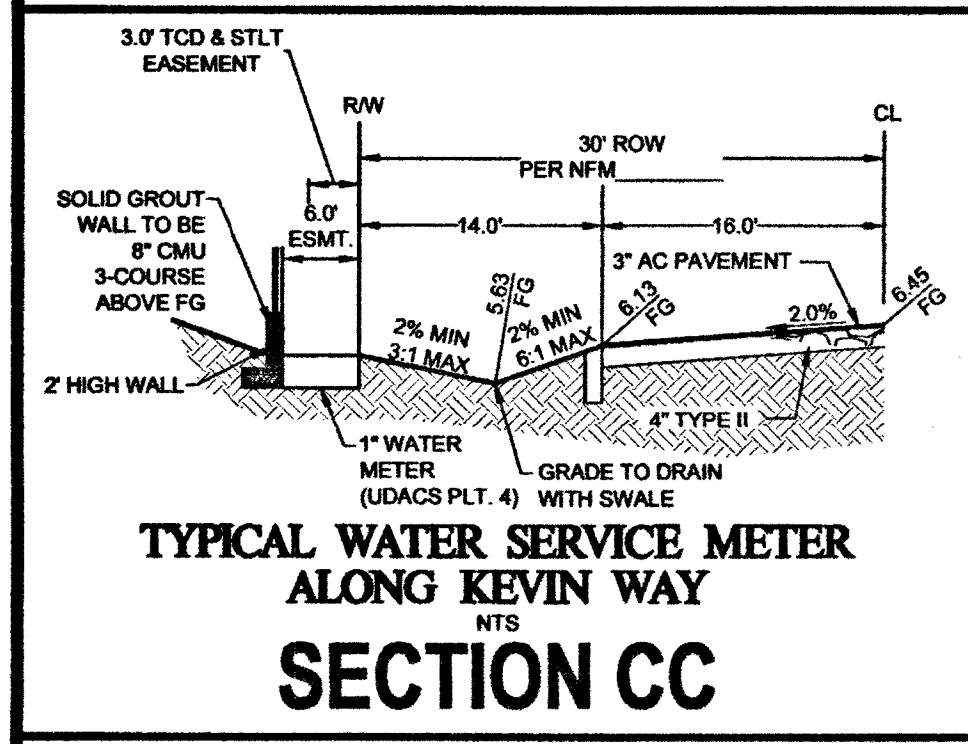
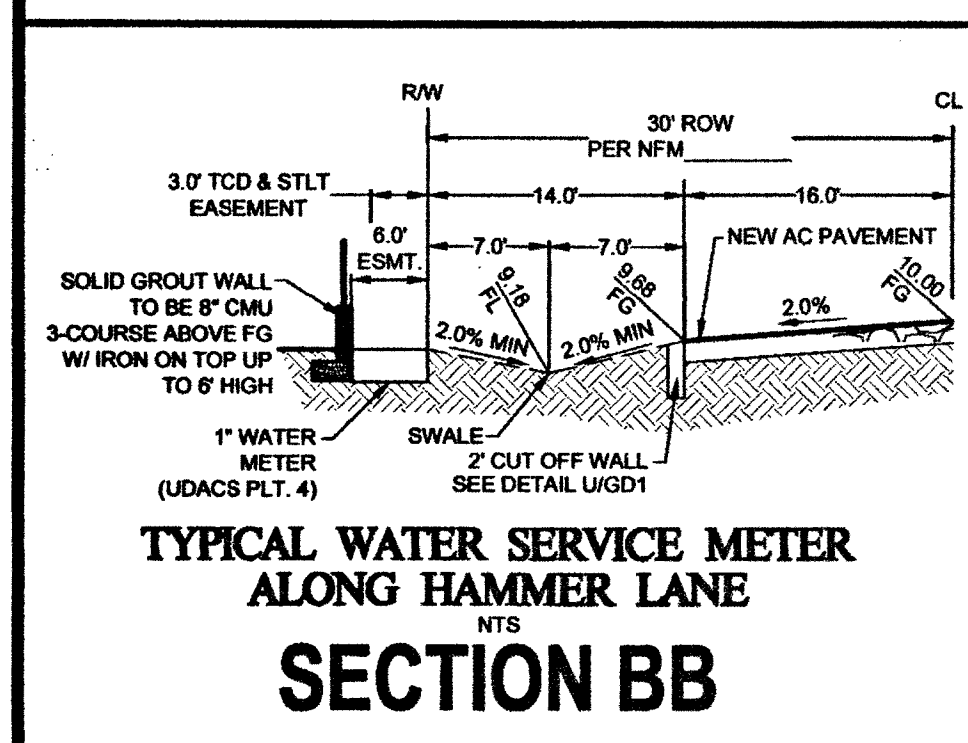
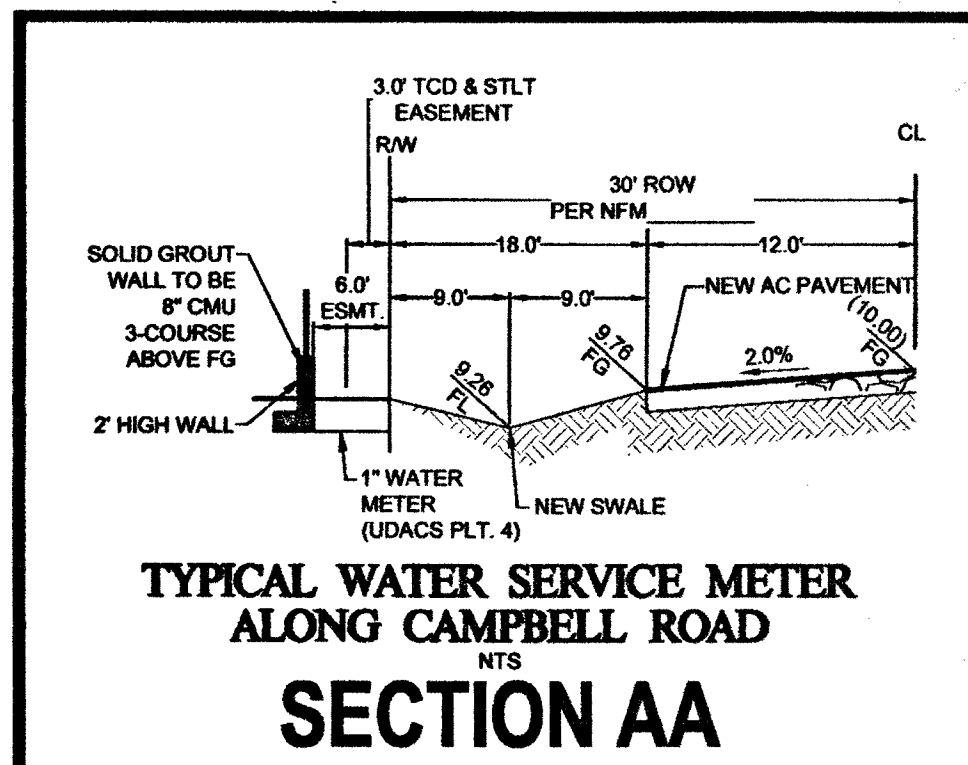




- UTILITY CONSTRUCTION NOTES**
- 1" TYPE K COPPER WATER LATERAL W/ 1" METER (UDACS PLT. 4)
 - 8" SEWER LATERAL PER DCSWCS SD-22
 - 8" WATERLINE TEE (UDACS PLT. 31)
 - INSTALL END CAP & 2" BLOW-OFF ASSEMBLY (UDACS PLT. 36)
 - 8" GATE VALVE (UDACS PLT. 30 & 39)
 - PROTECT EX. SEWER LINE (PER SD-21)
 - 45" HORIZONTAL WATERLINE BEND (UDACS PLT. 31)
 - CLEANOUT WITH TRAFFIC RATED LID PER DCSWCS SD-28
 - 1" TYPE K COPPER WATER LATERAL W/ 1" METER (UDACS PLT. 4) JENSEN HT234
 - TRAFFIC RATED BOX OR EQUIVALENT UNIMPROVED CONDITION METER BOX COLLAR
 - REMOVE EXISTING END CAP & 2" BLOW-OFF ASSEMBLY
 - 48" MANHOLE, BASE PRECAST, GRADE RING COLLAR & SINGLE 24" LID
 - PER DCSWCS STANDARDS
 - REMOVE EXISTING END CAP & 2" BLOW-OFF ASSEMBLY & CONNECT TO EX MAIN WITH 10" X 8" REDUCER & 1" MAX HORIZONTAL DEFLECTION (UDACS PLT. 30)
 - 1" MAX HORIZONTAL DEFLECTION
 - STEEL ENCASING (UDACS PLT. 23)
 - CROSS (UDACS PLT. 31)

- BACKWATER VALVE (BWV)**
- LOTS 1, 2, 3, 4, 5
- THESE LOTS HAVE DRAINAGE PIPING DEATURE THAT ARE LOWER THAN THE NEXT UPSTREAM SEWER MANHOLE COVER AND SHALL HAVE BACKWATER VALVES INSTALLED PER DCSWCS SD-29.
- USE OF CUT-OFF WALLS NEAR LVVWD FACILITIES**
- FIVE FEET MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN THE CUT-OFF WALL AND THE WATER MAIN, FOR CROSSING OVER THE PROPOSED WATER MAIN, THE MAIN MUST BE WITHIN A STEEL CASING (PER UDACS PLATE 23) SPANNING FIVE FEET ON EITHER SIDE OF THE CUT-OFF WALL AND VERTICAL SEPARATION OF NO LESS THAN ONE FOOT BETWEEN TOP OF CASING AND BOTTOM OF THE WALL. IF THE MAIN IS EXISTING, A MINIMUM OF ONE FOOT VERTICALLY IS REQUIRED AND CLSM 1 BETWEEN THE TOP OF THE MAIN AND THE BOTTOM OF THE CUT-OFF WALL.
- WATER MAIN JOINT DEFLECTION NOTE (PVC 4"-24")**
- PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.
- FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTING SHALL BE USED.

TO ENSURE LVVWD ACCESS WITHIN EASEMENT

ALL ABOVE GROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO, LANDSCAPE BOULDERS, FENCES / WALLS, AND SIGNS ARE STRICTLY PROHIBITED WITHIN EASEMENT.

LVVWD CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE REMAINING WATER. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.

CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

NO.	DESCRIPTION	BY	SHTS.	APPR.	DATE
1	UTILITY PLAN 2	THM	17-013	SB	5/10/18
2	UT2	THM	17-013	SB	5/10/18
3	13 OF 15	THM	17-013	SB	5/10/18
4	CLV	THM	17-013	SB	5/10/18
5	CC	THM	17-013	SB	5/10/18