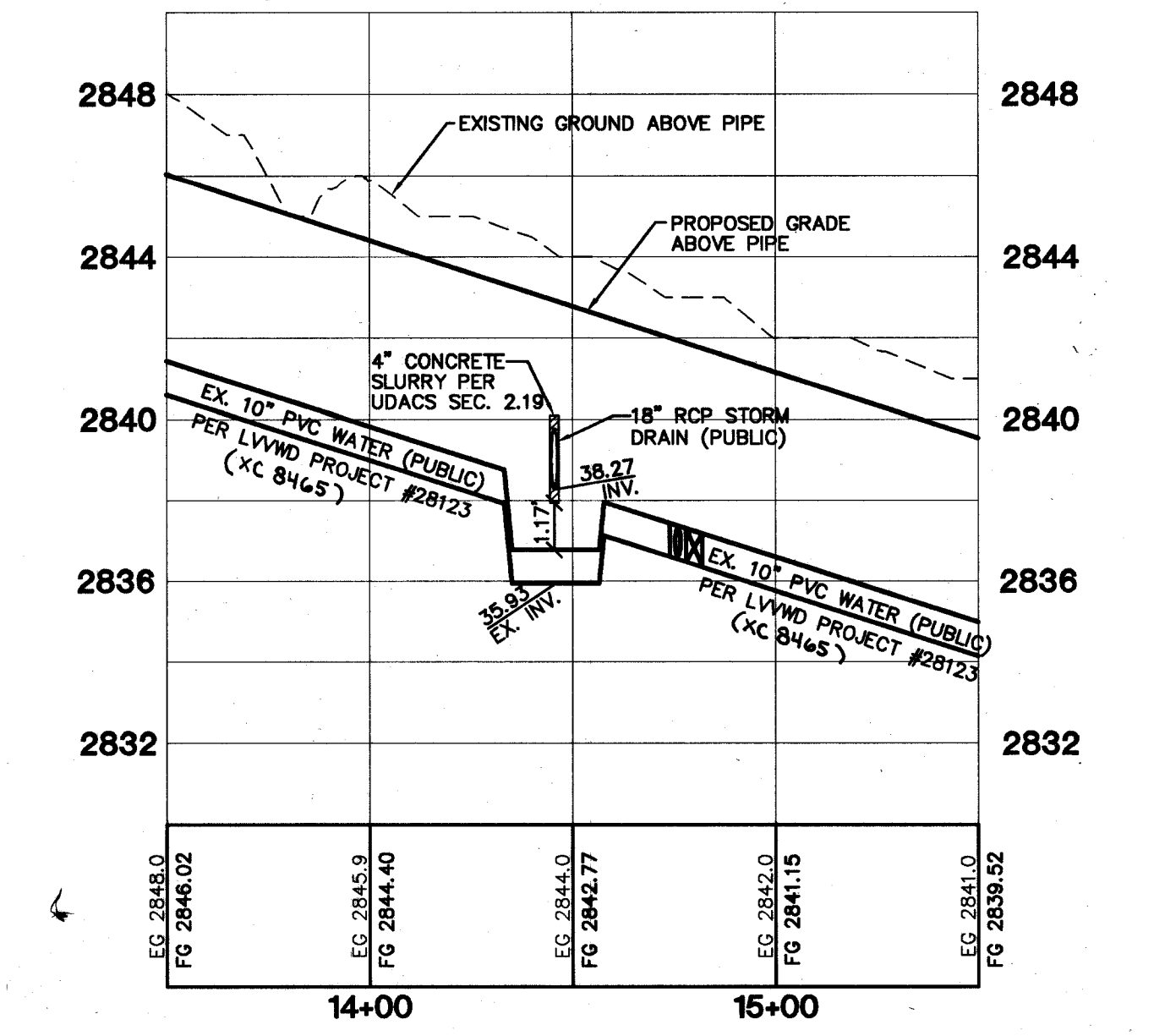
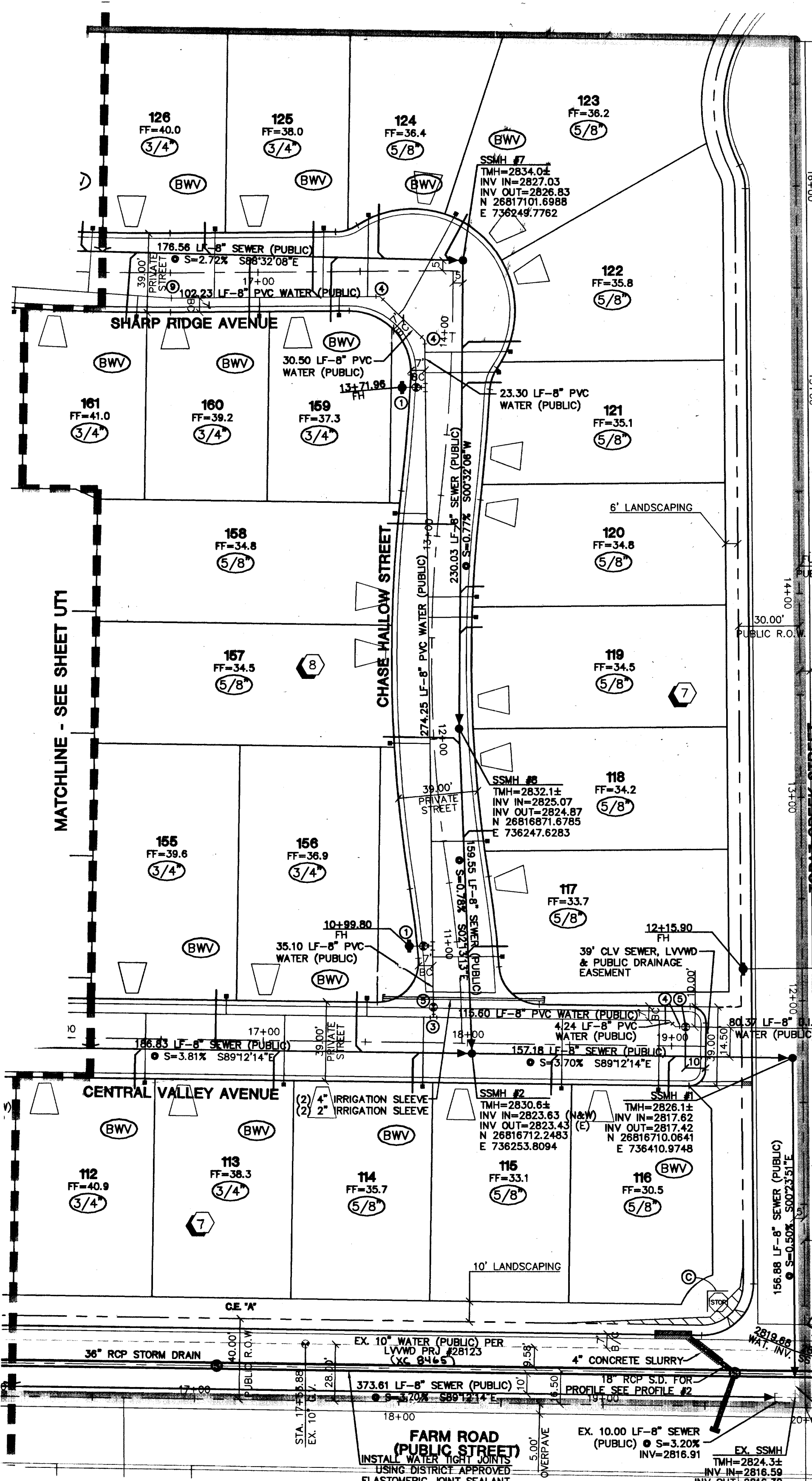
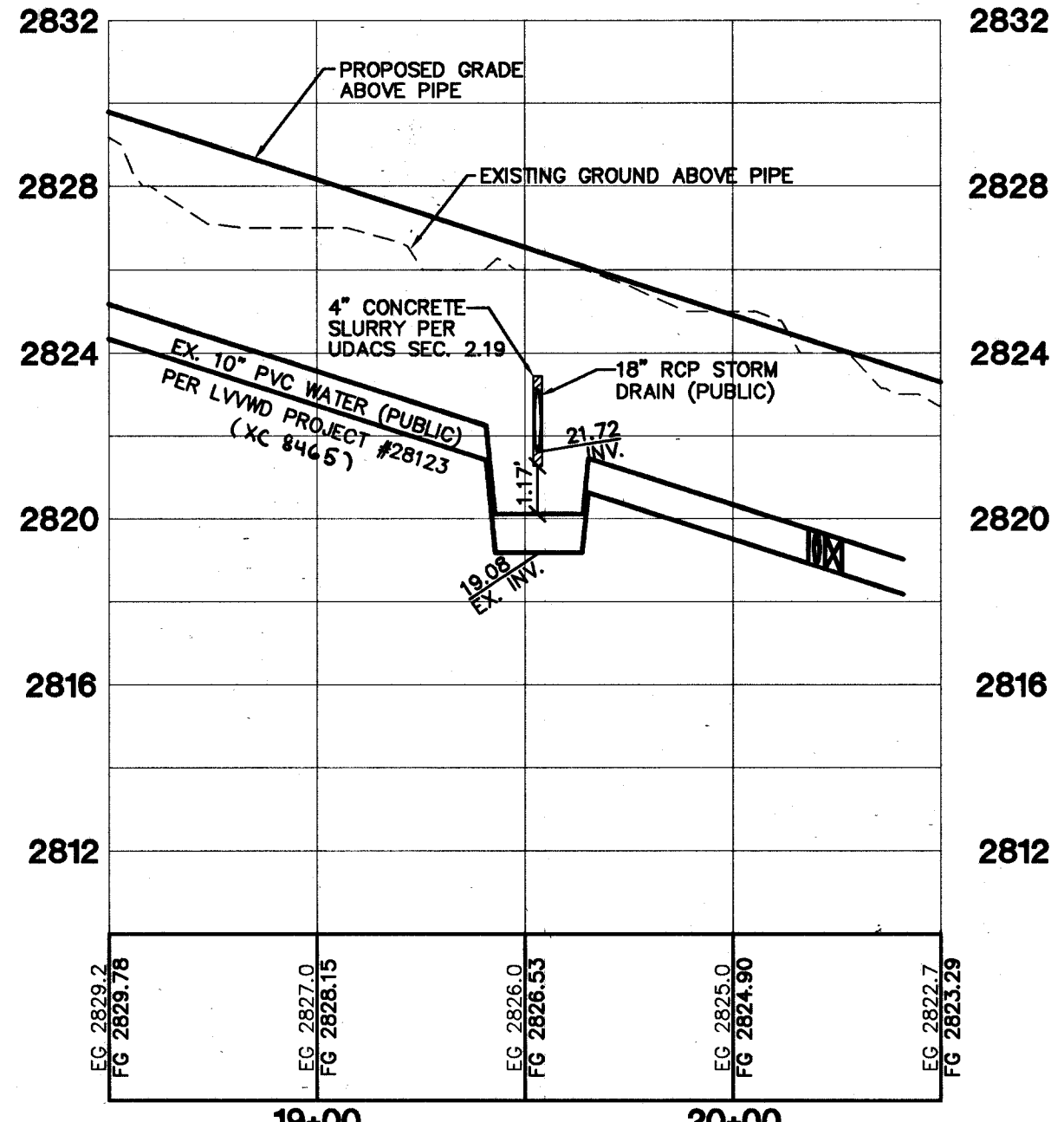
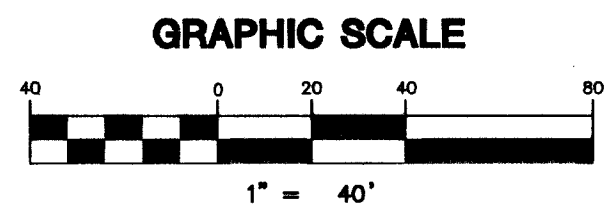
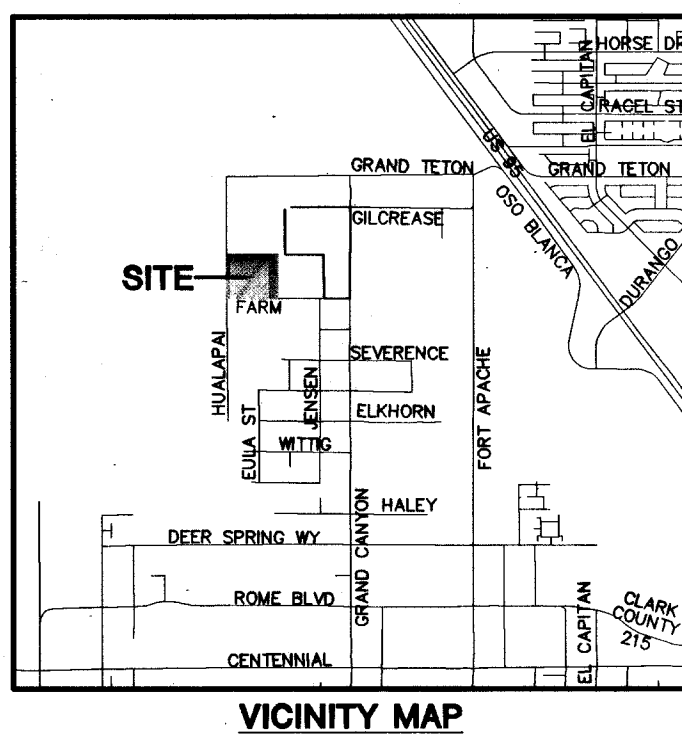
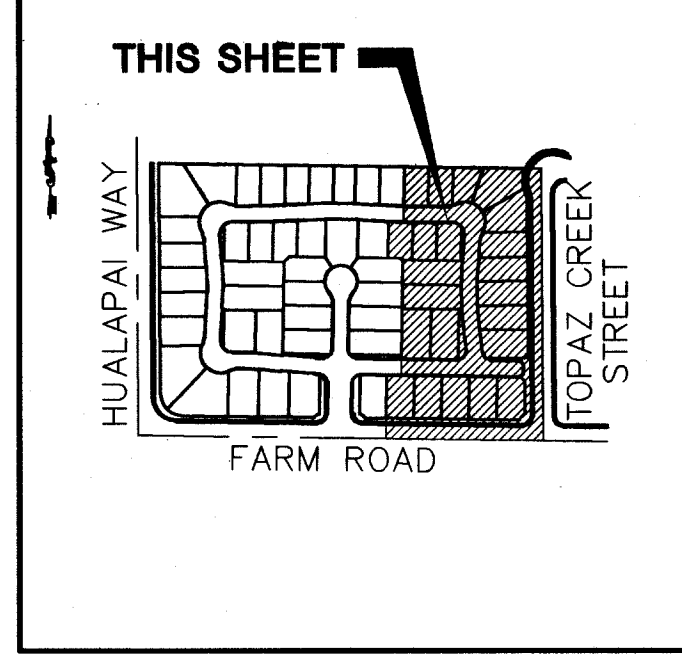




PROFILE #1
18" STORM DRAIN / 10" WATER CROSSING PROFILE (FARM ROAD)



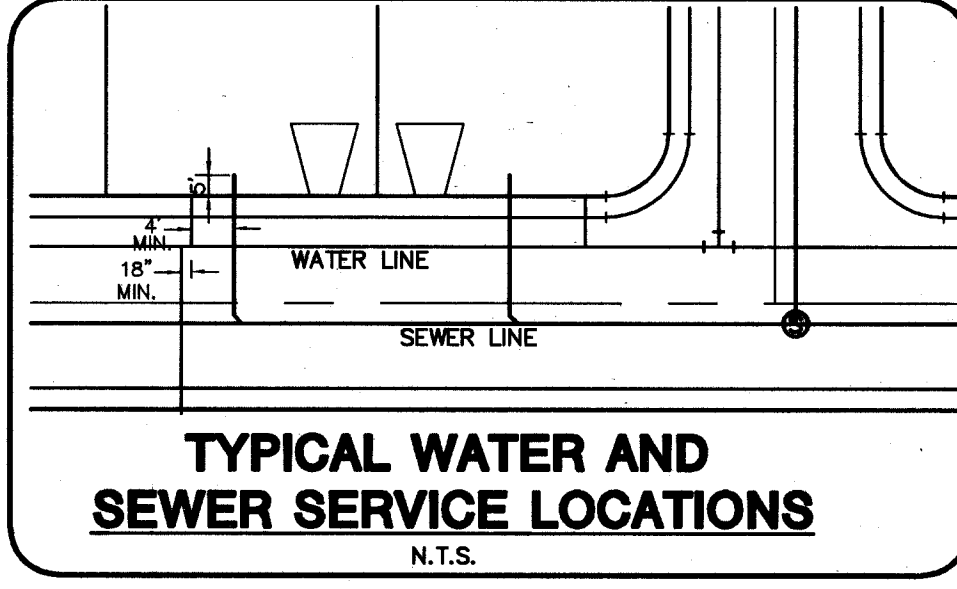
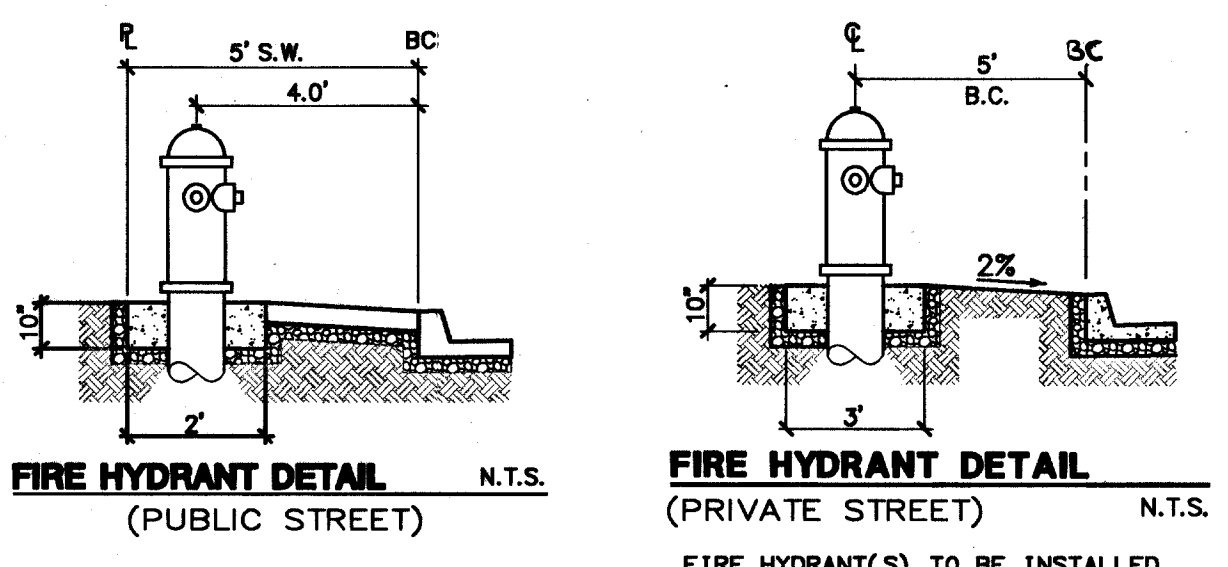
PROFILE #2
18" STORM DRAIN / 10" WATER CROSSING PROFILE (FARM ROAD)



- CONSTRUCTION NOTES**
- ① FIRE HYDRANT ASSEMBLY (8" x 8" TEE & 6" G.V. (udacs plate 7))
 - ② 8" CROSS
 - ③ 8" TEE
 - ④ 45° BEND
 - ⑤ 90° GATE VALVE
 - ⑥ 4" CAP W/ 2" B.O. (udacs plate 4)
 - ⑦ 8" - 11.25" BEND
 - ⑧ 8" x 8" REDUCER
 - ⑨ 1" 5" SPECIFIED FITTING RESTRAINED ON EACH SIDE

FIRE FLOW CALCULATIONS
FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

SQUARE FOOTAGE: 2,478 SQ. FT.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 0 SQ. FT.
BUILDING HEIGHT: 20 FEET
NUMBER OF STORIES: 2 FLOOR
TYPE OF CONSTRUCTION: PD
OCCUPANCY: PD
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NO



NOTE
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 27. ESN.082

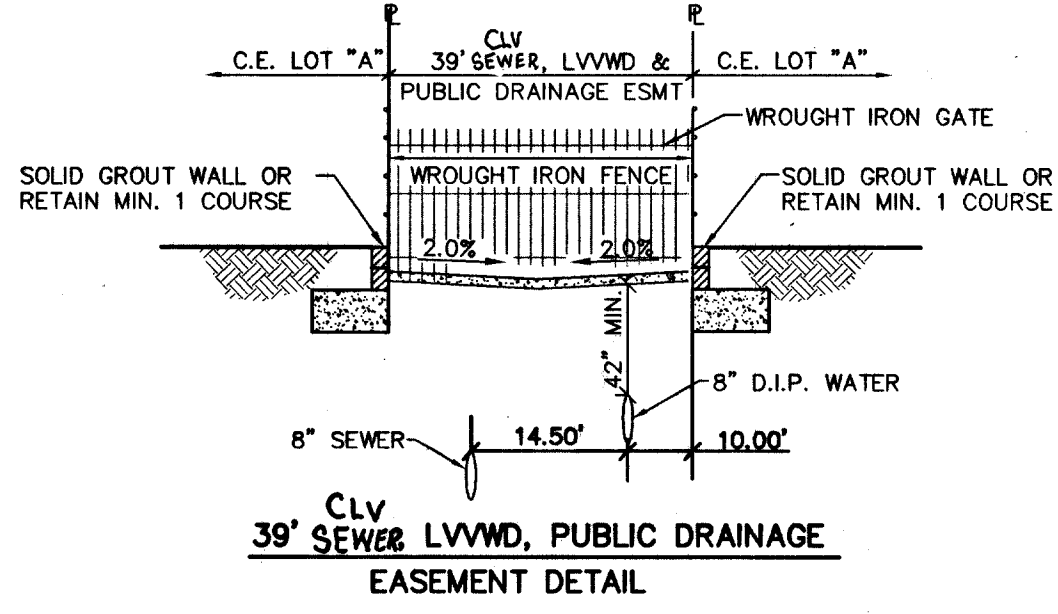
CONTRACTOR NOTE
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

Call before you Overhead
1-702-227-2929

Call before you Dig
1-800-227-2600

BENCHMARK
PROJECT DATUM: NAVD83
CITY OF LAS VEGAS BENCHMARK: 814913.006
NAVD83 ELEVATION: 873.8510 METERS (2868.89 FEET)
RIVET AND PLATE IN CONCRETE CYLINDER AT THE SOUTHWEST CORNER OF HUALAPAI AND GILCREASE

BASIS OF BEARING
THE BASIS OF BEARINGS FOR THIS PROJECT IS SOUTH 89°11'31" EAST BEING THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4), SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 123 AT PAGE 32.



PRIVATE STREET NOTE:
ALL PRIVATE STREETS ARE PUES CLV SEWER ESM'S & PUBLIC DRAINAGE ESM'S. TO BE PRIVATELY MAINTAINED.

SEWER CONNECTION NOTE:
A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED &/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION &/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED & ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

APPROVAL:
CITY OF LAS VEGAS FIRE MARSHAL
LAS VEGAS VALLEY WATER DISTRICT
PROJECT #27977 (SHEETS 1, 3 AND 10-14)

PERMA-BILT HOMES		CITY OF LAS VEGAS, NEVADA	
7150 POLLOCK DRIVE, SUITE 104 LAS VEGAS, NEVADA 89119 (702) 886-9700		2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148 PH. (702) 873-7550 FAX (702) 362-2597 PLANNERS • LAND SURVEYORS	
MASTER UTILITY PLAN		VALLEY CREST II WEST	
DRAWN BY:	DESIGNED BY:	CHECKED BY:	PROJECT NO:
03/24/04			6157
SCALE: 1"=40' HORIZ. NONE VERT.		SHEET UT2	
11 OF 31 SHEETS		DRAWING NO.	
CC HTE#04-11134		161576157UT.DWG	