

LAKE GRANBURY
 AVERAGE LAKE LEVELS,
 SURFACE TO BOTTOM,
 EL +/- 693'-0" TO
 +/- 650'-0" SEE NOTE 3

NOTES

1. INFORMATION PROVIDED BY HALFF ASSOCIATES
2. ROADS, LAKES AND WATERWAYS OUTLINES TRACED FROM SATELLITE IMAGES FOUND ON WEBSITE WWW.TNRIS.STATE.TX.US.3.
3. PER BRAZOS RIVER AUTHORITY (WWW.BRAZOS.ORG) VIA TOPOS AND LEVEL GAUGES

ROUTES FOR WATER LINES

EACH ROUTE WILL CONTAIN AT LEAST THESE LINES FOR CPSES 3&4;
 2-42" MAKE UP WATER LINES
 2-36" COOLING TOWERS BLOWDOWN LINES

REFERENCE DRAWINGS

AREA PLAN WATER LINES TO AND FROM LAKE GRANBURY AND BRAZOS RIVER GAS-05-11-100-03

OPEN ITEMS

- NEED INFO FOR RIGHT OF WAYS TO SECURE FINAL ROUTE LOCATION OF BLOWDOWN LINES AT LAKE GRANBURY (NEW LAND TO BE PURCHASED?)
- WITH REGARD TO EXISTING RIGHT OF WAYS, WILL THERE BE ENOUGH SPACE FOR EXISTING PIPING, EXISTING OVERHEAD POWER LINE TOWERS FOUNDATIONS AND NEW MAKEUP AND BLOWDOWN LINES OR WILL THEY NEED TO BE EXPANDED (MORE LAND PURCHASED)

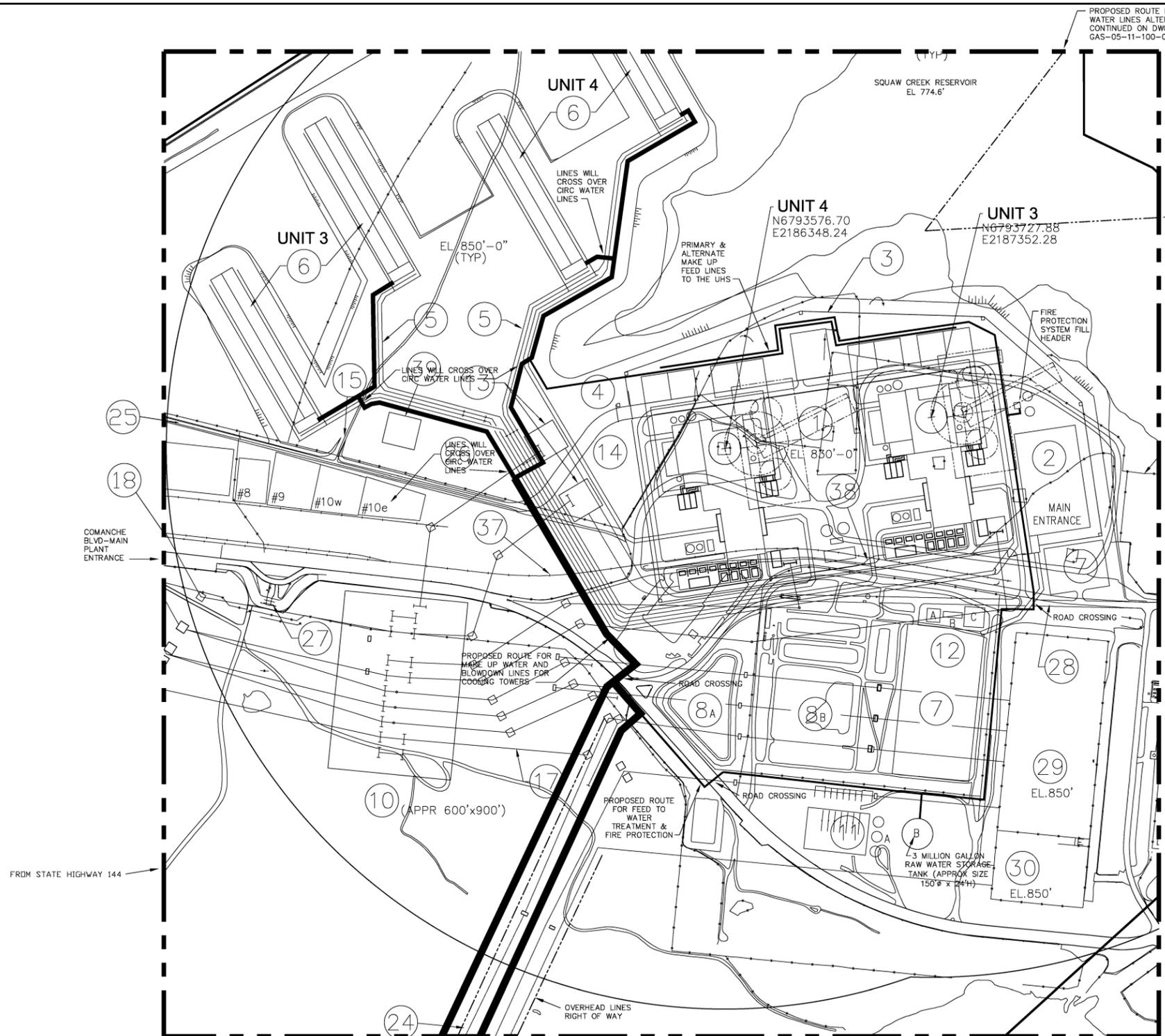
PRELIMINARY



**COMANCHE PEAK NUCLEAR POWER PLANT
 UNITS 3 AND 4**

Intake and Discharge Locations
 FIGURE 3.4-3 (Sheet 2 of 3)

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PIPE DISTANCES

SEE DWG GAS-05-11-100-03 FOR MAKE UP WATER AND BLOWDOWN PIPE DISTANCES.

PIPE ON THIS DRAWING-

- FIRE PROTECTION SYSTEM FILL - 2550 FT
- FEED TO UHS - PRIMARY - 2300 FT
- FEED TO UHS - ALTERNATE - 2500 FT
- FEED TO NEW WATER TREATMENT FAC. - 1700 FT

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REFERENCE DRAWINGS

AREA PLAN WATER LINES TO AND FROM LAKE GRANBURY AND BRAZOS RIVER GAS-05-11-100-03

ROUTES FOR WATER LINES

EACH ROUTE WILL CONTAIN AT LEAST THESE LINES:
 2-42" MAKE UP WATER LINES
 2-36" COOLING TOWERS BLOWDOWN LINES

- ALTERNATE 1**
 (GOOD CHOICE FOR EASIER CONSTR, MOST SECURE)
 FOLLOWS ROADS AROUND WEST & SOUTH OF SQUAW CREEK RESERVOIR
- ALTERNATE 2**
 (MOST DIFFICULT TO CONSTR. AND SECURE)
 RUNS ACROSS OR THROUGH SQUAW CREEK RESERVOIR
- ALTERNATE 3**
 (DIFFICULT TO CONSTR. AND SECURE ACROSS SCR)
 FOLLOWS ROADS AROUND NORTH & EAST OF SQUAW CREEK RESERVOIR & THEN GOES THROUGH SQUAW CREEK RES.
- ALTERNATE 4**
 (BEST CHOICE, EASE OF CONSTR, MOST SECURE)
 FOLLOWS ROADS AND POWER LINE RIGHT OF WAYS AROUND WEST & SOUTH OF SQUAW CREEK RESERVOIR

OPEN ITEMS

LEGEND: (FOR REFERENCE ONLY. SEE GAS-05-11-100-002)

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
1	NEW UNITS 3 & 4	19	MODIFIED BLDG FOR MAINTENANCE TRAINING FACILITY
2	NEW UNITS OPS OFFICES, SECURITY, ACCESS	20	MODIFIED BLDG FOR OPS TRAINING/EOF/SIMULATOR FACILITY
3	NEW UNITS PLANT PERIMETER BOUNDARY	21	MODIFIED BLDG FOR ADMIN FACILITY
4	LARGE VEHICLE ACCESS GATE W/SALLY PORT	22	COMANCHE BLVD-EXISTING PLANTS ACCESS ROAD
5	NEW UNITS BURIED CIRC WATER PIPES	23	EXISTING PLANT RAIL SPUR
6	NEW UNITS COOLING TOWERS	24	EXISTING HIGH VOLTAGE OVERHEAD POWER LINES
7	NEW UNITS PARKING FACILITIES	25	REROUTED EXISTING ROAD
8	(A) NEW UNITS EFFLUENT HOLDUP & EVAPORATION POND	26	EXISTING LANDFILLS 8, 9, 10w & 10e (TO REMAIN)
8	(B) EXISTING EFFLUENT HOLDUP & EVAPORATION POND	27	MAIN SITE ENTRANCE
9	NEW SANITARY WASTE TREATMENT FACILITY	28	RELOCATED ROAD - 8th AVENUE
10	NEW UNITS 345KV SWITCHING STATION	29	EXISTING 345KV SWITCHING STATION
11	NEW WATER TREATMENT FACILITY UN 1 - 4 WITH (A)DEMIN WATER STORAGE TANKS AND (B)RAW WATER STORAGE TANK	30	EXISTING 138KV SWITCHING STATION
12	RELOCATED WATER TREATMENT EQUIPMENT INCLUDING (A)SURGE BASIN; (B)API SEPARATOR; (C)LAB.	31	EXISTING UNITS 1&2 CIRC WATER INTAKE STRUCTURE
13	TRANSITION STATION	32	EXISTING FENCE
14	HEAVY HAUL ROAD	33	EXISTING UNITS 1 & 2
15	COOLING TOWER & GAS FARM ACCESS POINT	34	SAFE SHUTDOWN IMPOUNDMENT DAM
16	NEW WAREHOUSE / INVESTMENT RECOVERY STORAGE	35	SAFE SHUTDOWN IMPOUNDMENT
17	NEW ONCOR 345KV TRANSMISSION LINE	36	SQUAW CREEK RESERVOIR
18	NEW ONCOR 345KV TRANSMISSION LINE	37	EXISTING RAIL SPUR NEW TERMINUS POINT
		38	345KV UNDERGROUND CABLES
		39	NEW UNITS GAS FARM



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