

SHAVANO HIGHLANDS HILLTOP - PRELIM DESIGN
(BCA ID: 203495)
ELECTRIC-GAS/ 3500 SQFT/ 57 LOTS/ HV SYSTEM
SCALE: 1" = 100'
ESTIMATED NEW POLES = 8
ESTIMATED TRENCH AMOUNT = ± 3500 LF

ELECTRIC & GAS						PG NO.2
Average Living Space	3500	SHAVANO HIGHLANDS HILLTOP				
# OF HOMES	TRANSFORMER KVA NAMEPLATE	TOTAL KVA		MAX DISTANCE		
				3/0	4/0	
1	25	15		255	350	
2	25	29	DO NOT USE	125	240	
3	50	43		0	160	
4	50	56	DO NOT USE	0	125	
5	75	69		0	0	
6	75	81		0	0	
7	100	93		0	0	
8	100	104		0	0	
9	0	0		0	0	
10	0	0		0	0	
11	0	0		0	0	
12	0	0		0	0	

LOOP 1 (12 LOTS)
TRANSFORMERS

ADDED =

1 - 50KVA = 50KVA
7 - 75KVA = 525KVA
2 - 100KVA = 100 KVA
775KVA

TOTAL = 775KVA
AVAILABLE = 825 KVA

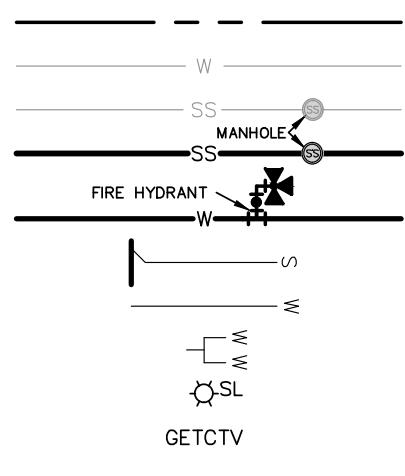
(3) - 4" PVC
Conduit(typ.)

PD Conduit Crossings:
1 - 6" Sch 80 for Electric
1-6" Sch 80 for Gas
2-4" Sch 40 for Communication

TRENCH @ 8 FT TO
ID WATER MAIN

UTILITY LEGEND

PROJECT LIMITS
EXISTING WATER
EXISTING SEWER
PROPOSED SEWER
PROPOSED WATER
PROPOSED WYE & LATERAL
SINGLE WATER SERVICE
DUAL WATER SERVICE
STREET LIGHTS
GAS, ELECTRIC, TELEPHONE &
CABLE TELEVISION EASEMENT



PROPOSED RISERS
NEED 28' ESMT AND
DRIVEABLE ACCESS

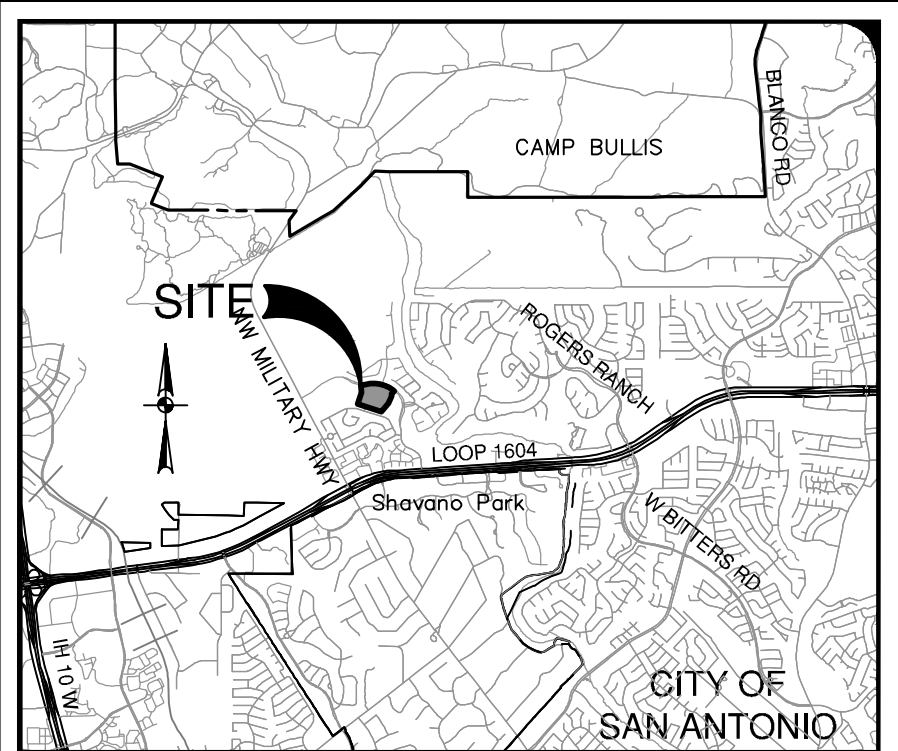
PROPOSED
2-PHASE OH NEED
28' OFFSITE ESMT

TIE-INTO
EXISTING
3-PHASE OH



SHAVANO HIGHLANDS HILLTOP

SKETCH 22" x 34", SCALE: 1" = 100'



LOCATION MAP
NOT-TO-SCALE