

AGENDA MATERIAL

DATE 4/18/23 ITEM NO. RA38

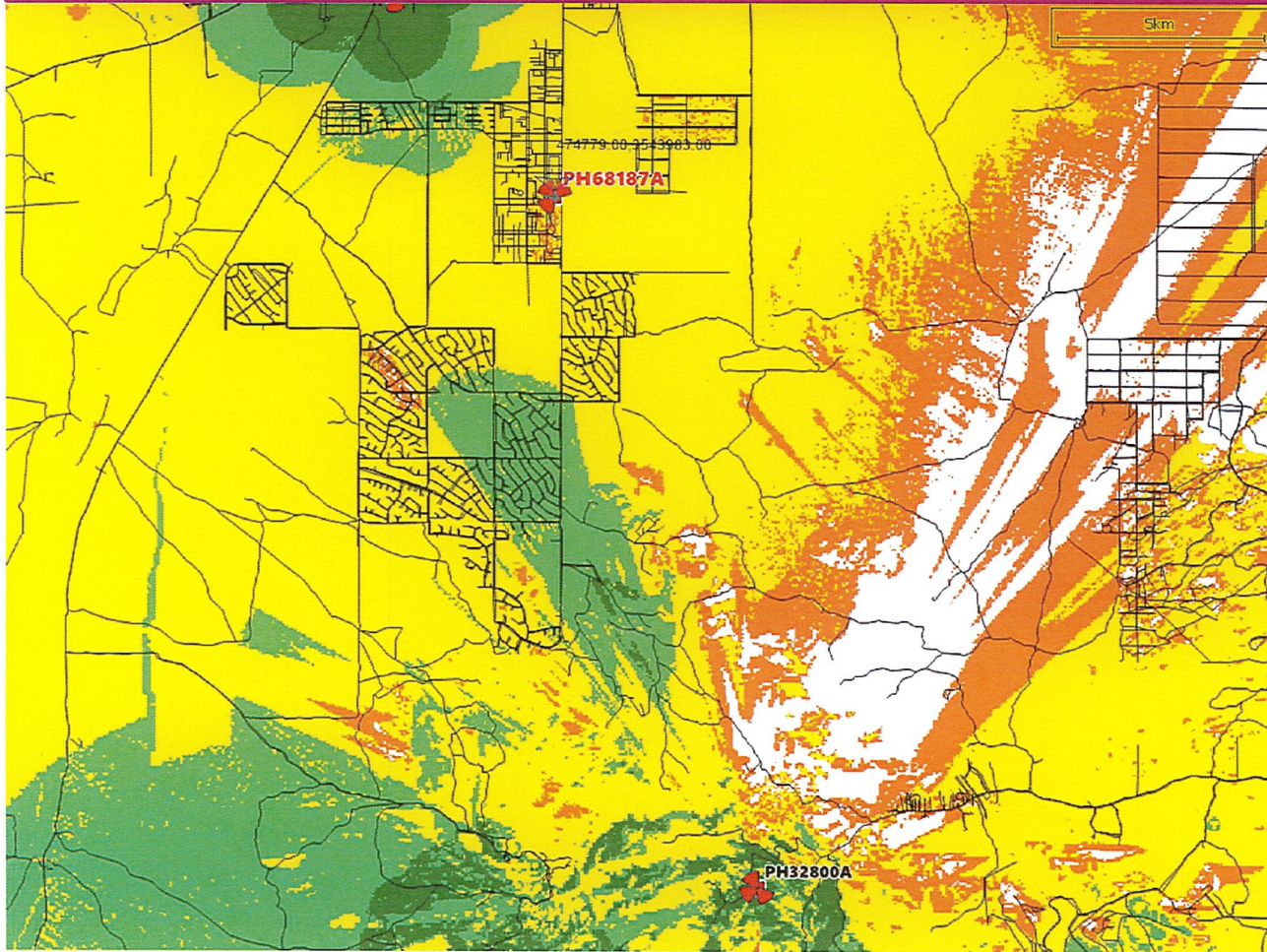
BRYAN
CAVE
LEIGHTON
PAISNER **BLP**

**P22CU00013
IVAN AND MARGERY
WOLVERTON
TRUST/VERTICAL BRIDGE**

Conditional Use Permit for new
communication tower at 11990 S.
Sierrita Mountain Rd., Tucson, AZ

April 18, 2023

LTE PCC outdoor – Mid Band Existing LTE coverage without PH68187A

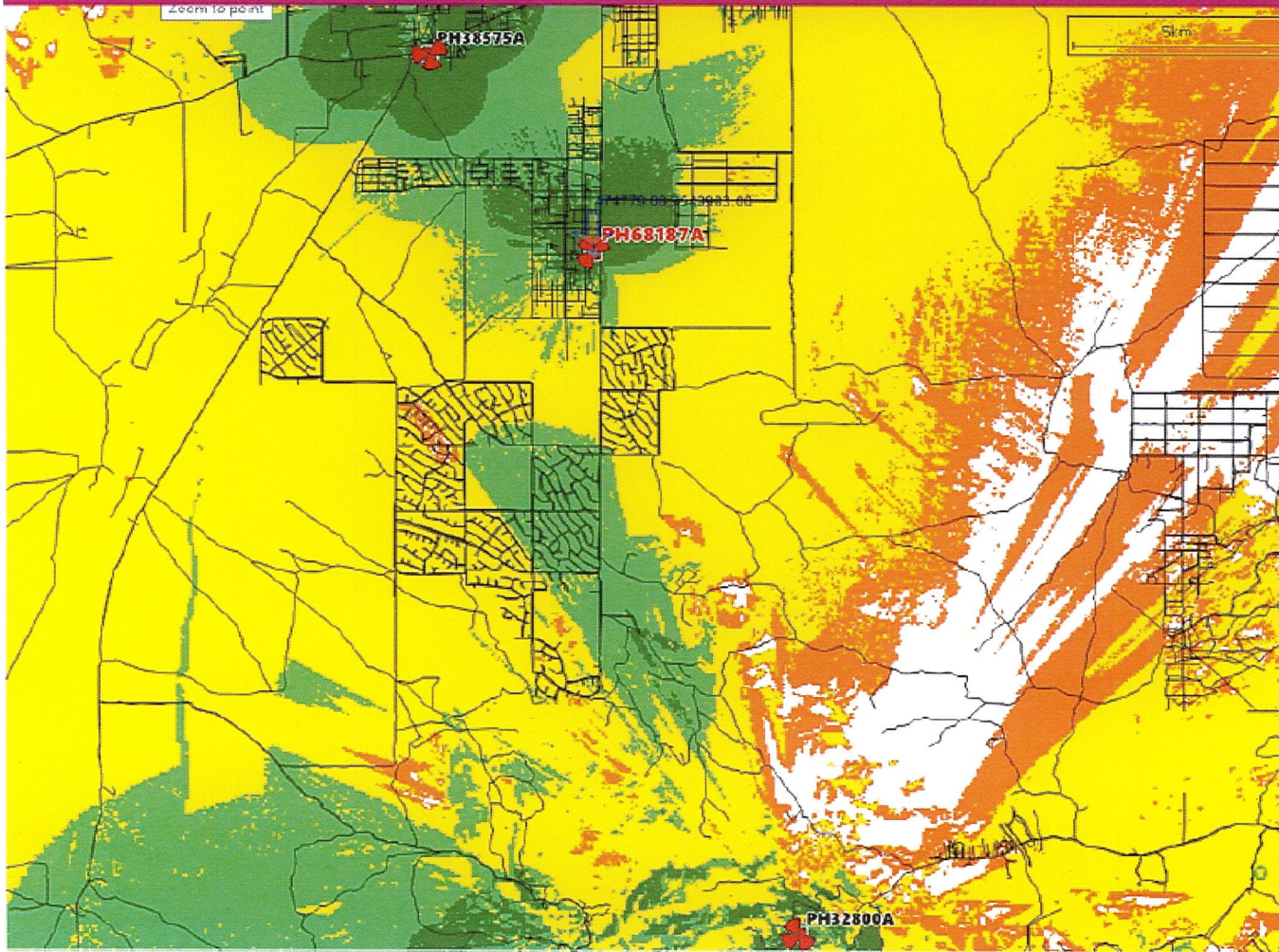


- Existing Coverage from mountain top south at 11mi. Mountain top Sites are designed for umbrella coverage and not capacity
- Existing Site to the north at 4mi is congesting due to highway and residential demands

LTE: Best RSRP - PCC_GIS_LTE_Outdoor

Orange	-120 <= x < -114 dBm Outdoor
Yellow	-114 <= x < -97 dBm In-Car
Light Green	-97 <= x < -91 dBm IB-Residential
Dark Green	-91 <= x < -85 dBm IB-Commercial

LTE PCC outdoor – Mind Band Existing LTE coverage with PH68187 @61ft. Ant Centre, 3xSector@45/220/330

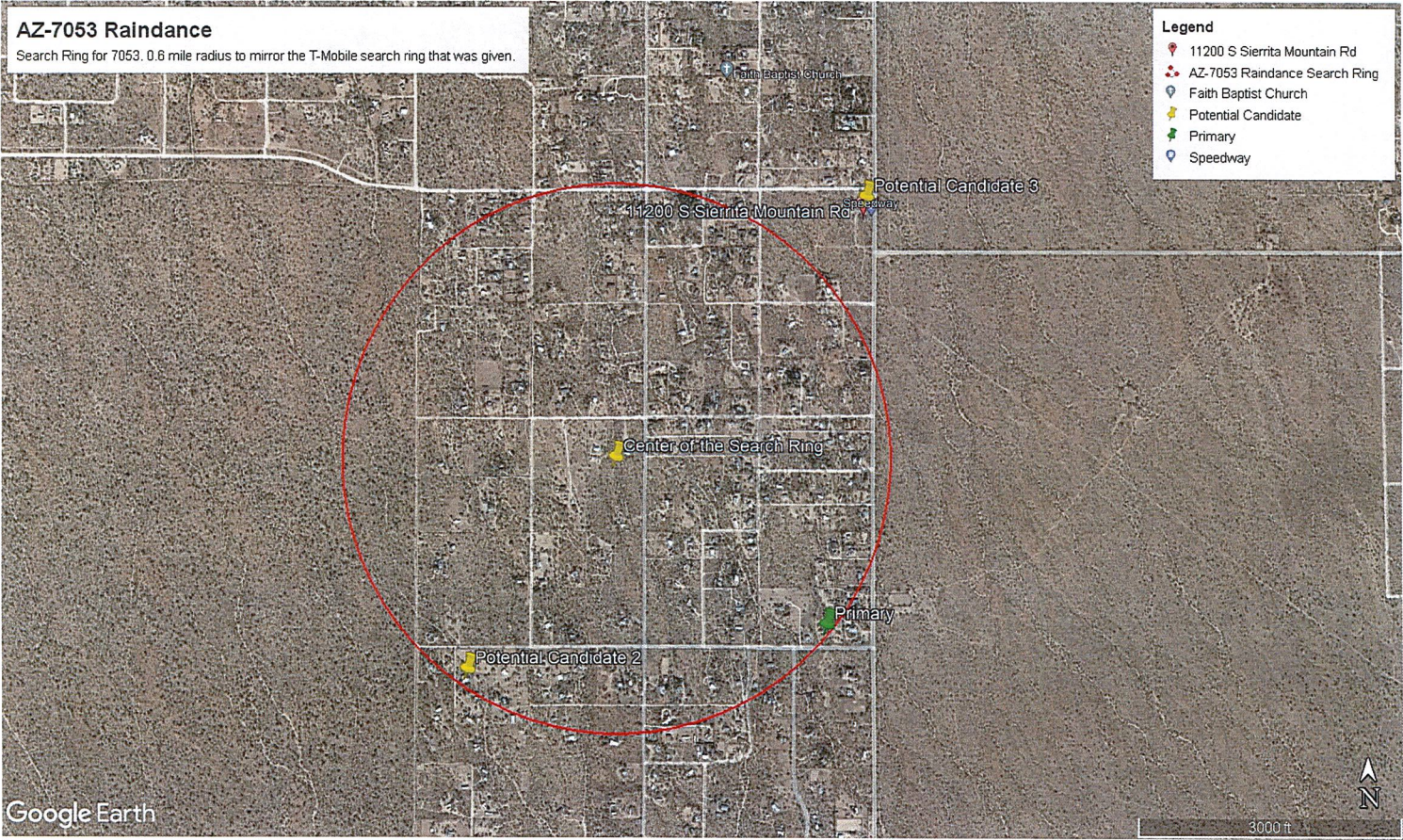


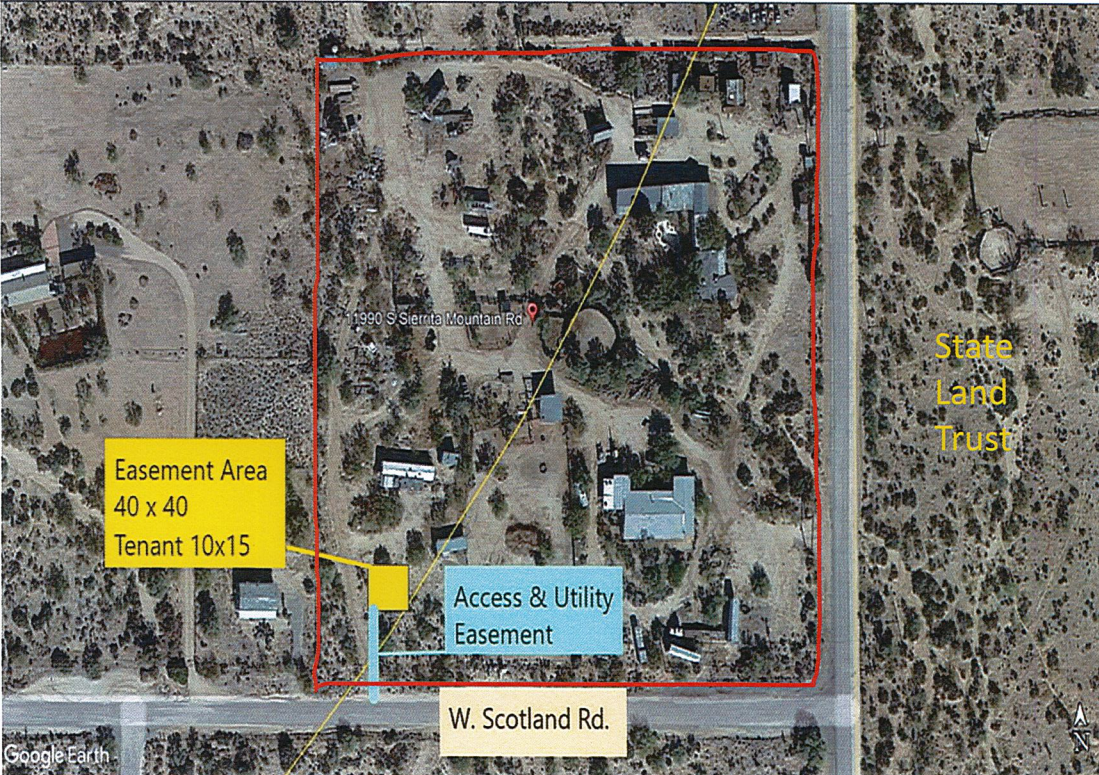
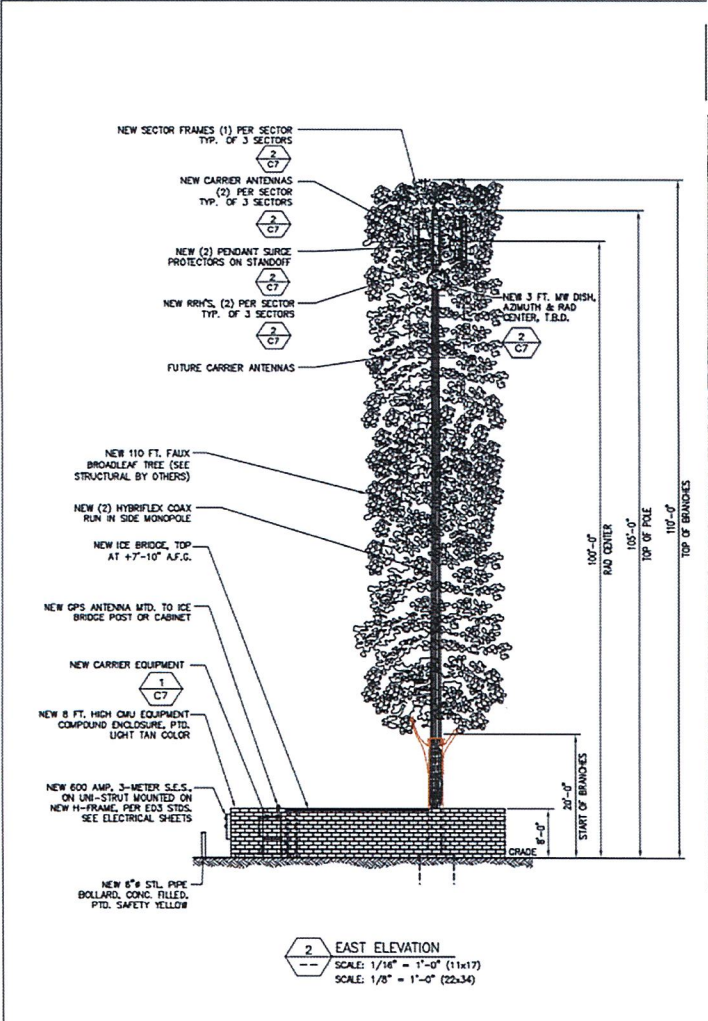
- PH68187 is critical to connect and provide contiguous coverage
- Capacity is best served with In-Building Residential and In-Building Commercial cellular power levels
- Planned Site will address customer concerns in the community of Mira Bell as well as providing critical coverage to the Three Points Fire Station and related responders

LTE: Best RSRP - PCC_GIS_LTE, Outdoor

Dark Orange	-120 <= x < -114 dBm Outdoor
Yellow	-114 <= x < -97 dBm In-Car
Light Green	-97 <= x < -91 dBm IB-Residential
Dark Green	-91 <= x < -35 dBm IB-Commercial

T-Mobile Search Ring



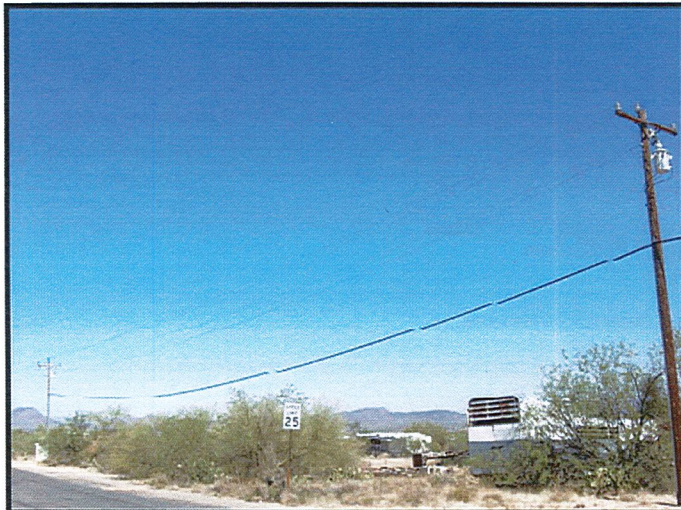




110 FOOT MONO-ELM



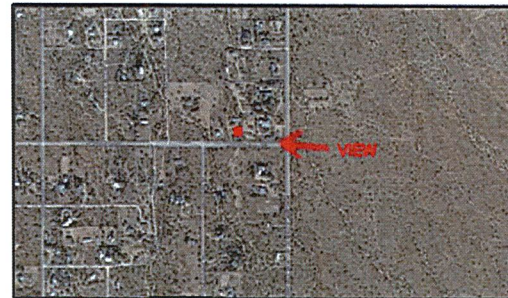
65 FOOT MONO-ELM



EXISTING VIEW LOOKING WEST

US-AZ-7053
SITE ID: PH68187
RAINDANCE
11990 S. SIERRITA MOUNTAIN RD.
TUCSON, AZ 85736

PREPARED BY:



VIEW ORIENTATION MAP



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