

# Scottsdale Thunderbird Seventh-day Adventist Church

7410 E. Sutton Drive  
Scottsdale, AZ 85260

## SITE PLAN GENERAL NOTES

1. PERMIT AND USE OF THIS SITE WILL CONFORM WITH ALL APPLICABLE ORDINANCES AND ZONING REGULATIONS.
2. ALL NEW AND RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
3. ALL STORAGE REQUIRED SEPARATE APPROVALS AND PERMITS.
4. ANY LIGHTING WILL BE PLACED SO AS TO DIRECT LIGHT AWAY FROM THE ADJACENT PROPERTY AND TO PROVIDE ADEQUATE ILLUMINATION TO THE CANOPY AT THE PROPERTY. NO NOISE OR VIBRATION WILL BE PERMITTED SO THAT IT EXCEEDS THE GENERAL LEVEL OF NOISE, COLOR OR VIBRATION PERMITTED BY THE CITY OF SCOTTSDALE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS-OF-WAY IN ACCORDANCE WITH APPROVED PLANS.
6. ALL ROOFTOP EQUIPMENT AND SATELLITE DISHES SHALL BE SCREENED TO THE HEIGHT OF THE TALLEST EQUIPMENT.
7. ALL SERVICE AREAS SHALL BE SCREENED TO CONCEAL TRASH ENCLOSURES, MECHANICAL EQUIPMENT, AND OTHER MECHANICAL OR ELECTRICAL EQUIPMENT FROM THE ADJACENT TO ALL PUBLIC STREETS.
8. ALL PARKING STALLS AND AISLE DIMENSIONS TO COMPLY WITH CITY OF SCOTTSDALE PARKING REQUIREMENTS.
9. CONTRACTOR TO PROTECT ADJACENT BUILDING FROM DAMAGE DURING SITE PREPARATION AND CONSTRUCTION.
10. VERIFY ALL EXISTING SITE CONDITIONS INCLUDING SITE UTILITIES, AND ANY CONFLICTING ITEMS NOT SHOWN ON PLANS PRIOR TO EXCAVATION.
11. CONTRACTOR TO COORDINATE WITH POWER COMPANY OR OWNER ON CONNECTION OF NEW POWER SUPPLY LINE TO EXISTING SYSTEM.
12. CONTRACTOR TO COORDINATE WITH OWNER ON TRANSFER OF WATER AND/OR SEWER SERVICES FROM EXISTING LINES TO NEW LINES.

## PROJECT DATA

**PROJECT LOCATION**  
7410 E. SUTTON DRIVE  
SCOTTSDALE, ARIZONA 85260

**PROJECT SCOPE OF WORK**  
NEW 1178 SQ. FOOT SANCTUARY BUILDING ON THE CORNER OF THUNDERBIRD AND SUTTON DRIVE. THE CHURCH BUILDING WILL INCLUDE SEATING FOR 416 CONGREGANTS WITH RESTROOMS, OFFICES AND SUPPORT ROOMS.

**BUILDING CODES AND GOVERNING AGENCIES**  
2006 INTERNATIONAL BUILDING CODE WITH AMENDMENTS  
2006 INTERNATIONAL MECHANICAL CODE WITH AMENDMENTS  
2006 INTERNATIONAL PLUMBING CODE WITH AMENDMENTS  
2006 INTERNATIONAL ELECTRICAL CODE WITH AMENDMENTS  
2006 NATIONAL ELECTRICAL CODE (NFPA 70) WITH AMENDMENTS

**SITE ZONING** R1-25  
**TYPE OF CONSTRUCTION (4672)** TYPE V/B  
**FIRE SPRINKLERED** YES  
**FIRE ALARM** YES  
**EMERGENCY LIGHTING** YES  
**OCCUPANT CLASSIFICATION (0903)** A-3 (WITH FIXED SEATING) 1 E  
**BUILDING SQUARE FOOT CALCULATION** 9,139 SF  
**TOTAL BUILDING AREA** 9,139 SF

**LOT NET AREA** 126,264 SF = 2.89 ACRES  
**LOT COVERAGE** 7.3%  
**BUILDING ALLOWABLE AREA CALCULATION AND HEIGHTS (0609 & 0602)**  
BASIC ALLOWABLE AREA FOR A3 - TYPE V/B (TABLE 502)  
AREA INCREASE (SECTION 506)  
A\* = (4.4 x 10) x (4.4 x 10) = 193,600 (SQ FT)  
FRONTAGE INCREASE (SEC. 506.2)  
1 x (100 - 60) x 120 = 7,200 (SQ FT)  
6,000 + 7,200 = 12,000 (SQ FT)  
A\* = 193,600 - 12,000 = 181,600 (SQ FT)  
TOTAL ALLOWABLE AREA - A\* = 21,939 SQUARE FEET PER FLOOR

**STORIES ALLOWED** 2  
**STORY HEIGHT INCREASE (504.2)** 10'-0" INCREASE IN HEIGHT (40' ALLOWED) TOTAL 60'  
**EXISTING BUILDING HEIGHT** 14'-0" AFF # SANCTUARY  
**PROPOSED EXPANSION HEIGHT** 19'-0" AFF # REAR LOBBY

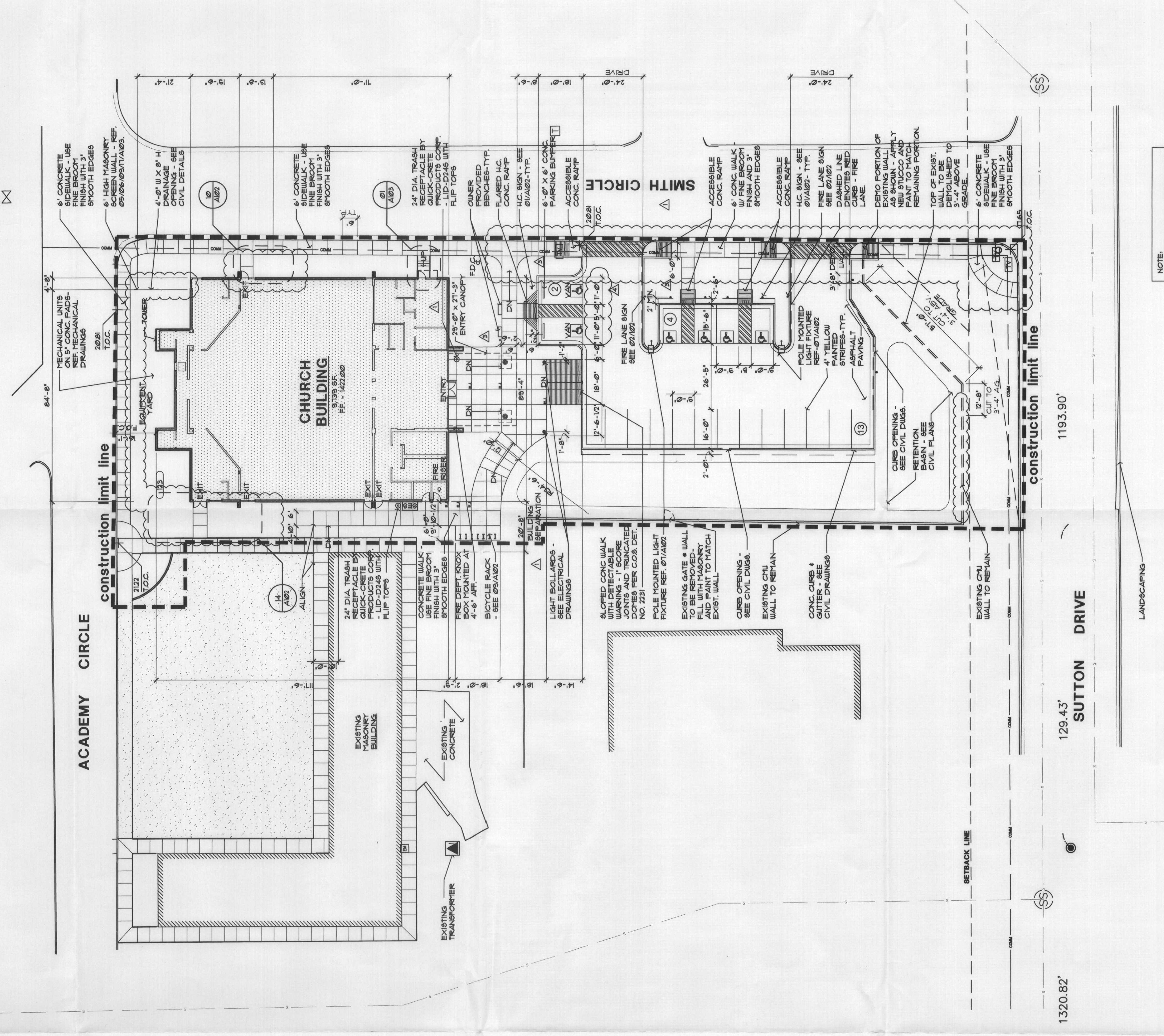
**PLUMBING FIXTURE CALCULATIONS (PER 2006 IBC - TABLE 209.2)**  
CALCULATIONS BASED ON THE FOLLOWING:  
SANCTUARY FIXED SEATING (1 OCCUPANT PER 18 IN. SEATING) = 462 OCCUPANTS  
SANCTUARY H.C. SEATING = 10 OCCUPANTS  
SANCTUARY H.C. SEATING = 10 OCCUPANTS  
ACCESSORY USE (1 / 60) = 10 OCCUPANTS  
TOTAL = 682 OCCUPANTS

**PLUMBING FIXTURE CALCULATIONS (PER 2006 IBC - TABLE 209.2)**  
UIC - 175 REQUIRED • 5 PROVIDED  
HALL - 1/20 REQUIRED • 5 PROVIDED  
4 EXTRA UIC PROVIDED • 11 • FAMILY Rm. 1 • EXIST. ELDERS ROOM  
LAV - 1/20 REQUIRED • 2 PROVIDED  
PARKING FONTAIN - 1/200 REQUIRED • 2 PROVIDED  
FLOOR SINK - 1 PROVIDED

**PARKING CALCULATIONS**  
PARKING REQUIRED:  
476 SEATS • 331 SF • 126 SPACES  
ACCESSIBLE PARKING REQUIRED:  
4% OF 126 = 5 SPACES  
MOBILITY IMPAIRED VAN ACCESSIBLE SPACES 4  
TOTAL PARKING REQUIRED: 136 SPACES

PARKING PROVIDED: 136 SPACES  
NEW PARKING: 136 SPACES  
BIKE PARKING: 4 SPACES  
(8% OF 126 = 10 SPACES REQUIRED)  
TOTAL PARKING PROVIDED: 136 SPACES  
ACCESSIBLE SPACES PROVIDED: 5  
MOBILITY IMPAIRED VAN ACCESSIBLE SPACES 4

APPROVED  
12/21/09  
DATE



NOTE: DIMENSIONS SHOWN ARE APPROXIMATE AND FOR INFORMATION ONLY. DIMENSIONS SHALL BE AS SHOWN ON THE PLANS.

SCALE: 1" = 20'-0"

01 SITE PLAN

MEP: AMT

DATE: 12/21/09

PROJECT NO.: 35554

SHEET: A101

PLANNING