

SITE PLAN GENERAL NOTES

1. DEVELOPMENT AND USE OF THIS SITE WILL CONFORM WITH ALL APPLICABLE CODES AND ORDINANCES.
2. ALL NEW AND RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
3. ALL SIGNAGE REQUIRES SEPARATE APPROVALS AND PERMITS.
4. ANY LIGHTING WILL BE PLACED 60 AS TO DIRECT LIGHT AWAY FROM THE ADJACENT RESIDENTIAL DISTRICTS AND WILL NOT EXCEED ONE FOOT CANDLE AT THE PROPERTY. NO NOISE, ODOR OR VIBRATION WILL BE EMITTED SO THAT IT EXCEEDS THE GENERAL LEVEL OF NOISE, ODOR OR VIBRATION EMITTED BY USES OUTSIDE THE SITE.
5. OWNERS OF PROPERTY ADJACENT TO PUBLIC RIGHT OF WAY WILL HAVE THE RESPONSIBILITY FOR MAINTAINING ALL LANDSCAPING WITHIN THE 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 CONTAINERS, LOADING DOCKS, TRANSFORMERS, BACKFLOW PREVENTERS AND OTHER MECHANICAL OR ELECTRICAL EQUIPMENT FROM EYE LEVEL ADJACENT TO ALL PUBLIC STREETS.
8. ALL PARKING STALL 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, LANDSCAPE IRRIGATION LINES, 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

1410 E. SUTTON DRIVE
SCOTTSDALE, ARIZONA 85260

PROJECT SCOPE OF WORK

NEW 9,139 SF SANCTUARY BUILDING ON THE CAMPUS OF THUNDERBOLT ADVENTIST ACADEMY. 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 ENERGY CONSERVATION CODE WITH AMENDMENTS
 2006 INTERNATIONAL MECHANICAL CODE WITH AMENDMENTS
 2006 INTERNATIONAL EXISTING BUILDING CODE WITH AMENDMENTS
 2006 INTERNATIONAL CODE COUNCIL PERFORMANCE CODE W/ AMT
 2006 UNIFORM PLUMBING CODE W/ AMENDMENTS
 2005 NATIONAL ELECTRICAL CODE (NFPA-70) W/ AMENDMENTS

SITE ZONING

R1-35

TYPE OF CONSTRUCTION (6022)

TYPE V-5

FIRE SPRINKLERED
 FIRE ALARM
 EMERGENCY LIGHTING

YES
 YES
 YES

OCCUPANCY CLASSIFICATIONS (6024)

A-3 (WITH FIXED SEATING) & E

BUILDING SQUARE FOOT CALCULATIONS

TOTAL BUILDING AREA 9,139 SF
 LOT NET AREA 126,204 SF = 2.93 ACRES
 LOT COVERAGE 7.2% COVERAGE

BUILDING ALLOWABLE AREA CALCULATIONS AND HEIGHTS (603 & 606)

BASIC ALLOWABLE AREA FOR A3 - TYPE V5 (TABLE 503)
 AREA INCREASE (SECTION 506.2)
 $A_2 = A_1 + (A_1 \times 10) + (A_1 \times 10)$
 $6,000 + (6,000 \times 10) + (6,000 \times 10) = 18,000$
 $A_2 = 6,000 + 12,000 = 18,000$
 FRONTAGE INCREASE (SEC. 506.2)
 $I_1 = (F_1/F_2) \times (20/30)$
 $(444/44-251) \times 20/30 = 63$
 $F = 414 \quad P = 414 \quad U = 20.61$

TOTAL ALLOWABLE AREA - $A_2 = 22,750$ SQUARE FEET PER FLOOR

STORIES ALLOWED - 1
 (1) FOR SPRINKLER INCREASE (6042)
 20' INCREASE IN HEIGHT (40' ALLOWED) TOTAL 60'

EXISTING BUILDING HEIGHT 40'-0" AFF @ SANCTUARY
 PROPOSED EXPANSION HEIGHT 16'-0" AFF @ WEST SIDE
 15'-0" AFF @ REAR LOBBY

FLUORINE FIXTURE CALCULATIONS (PER 2006 IBC - TABLE 2102.1)

CALCULATIONS BASED ON THE FOLLOWING:
 SANCTUARY FIXED SEATS (1 OCCUPANT PER 15 IN SEATING) - 462 OCCUPANTS
 SANCTUARY BOUND - 2 OCCUPANTS
 SANCTUARY H.C. SEATING - 6 OCCUPANTS
 SANCTUARY STAGE (1 / 15 NET) - 11 OCCUPANTS
 ACCESSORY USE (1 / 100) - 66 OCCUPANTS
 TOTAL 663 OCCUPANTS

63 OCCUPANTS / 2 PER GENDER = 306.5 OCCUPANTS

W.C.
 FEMALE - 1/75 REQUIRED = 5 REQUIRED 5 PROVIDED
 MALE - 1/75 REQUIRED = 5 REQUIRED 4 PROVIDED
 * (EXTRA W.C. PROVIDED - 1 @ FAMILY RR #1 @ EXIST. ELDERS ROOM)

LAVS
 FEMALE - 1/200 REQUIRED = 2 REQUIRED 3 PROVIDED
 MALE - 1/200 REQUIRED = 2 REQUIRED 3 PROVIDED

DRINKING FOUNTAIN
 1 PER 1000 OCCUPANTS 1 REQUIRED 1 PROVIDED

FLOOR SINKS 1 PROVIDED

PARKING CALCULATIONS

PARKING REQUIRED:
 416 SEATS + 331 SF = 126 SPACES
 300

ACCESSIBLE PARKING REQUIRED:
 MOBILITY IMPAIRED ACCESSIBLE SPACES: 5
 4% OF 124 = 5 SPACES

MOBILITY IMPAIRED VAN ACCESSIBLE SPACES: 4

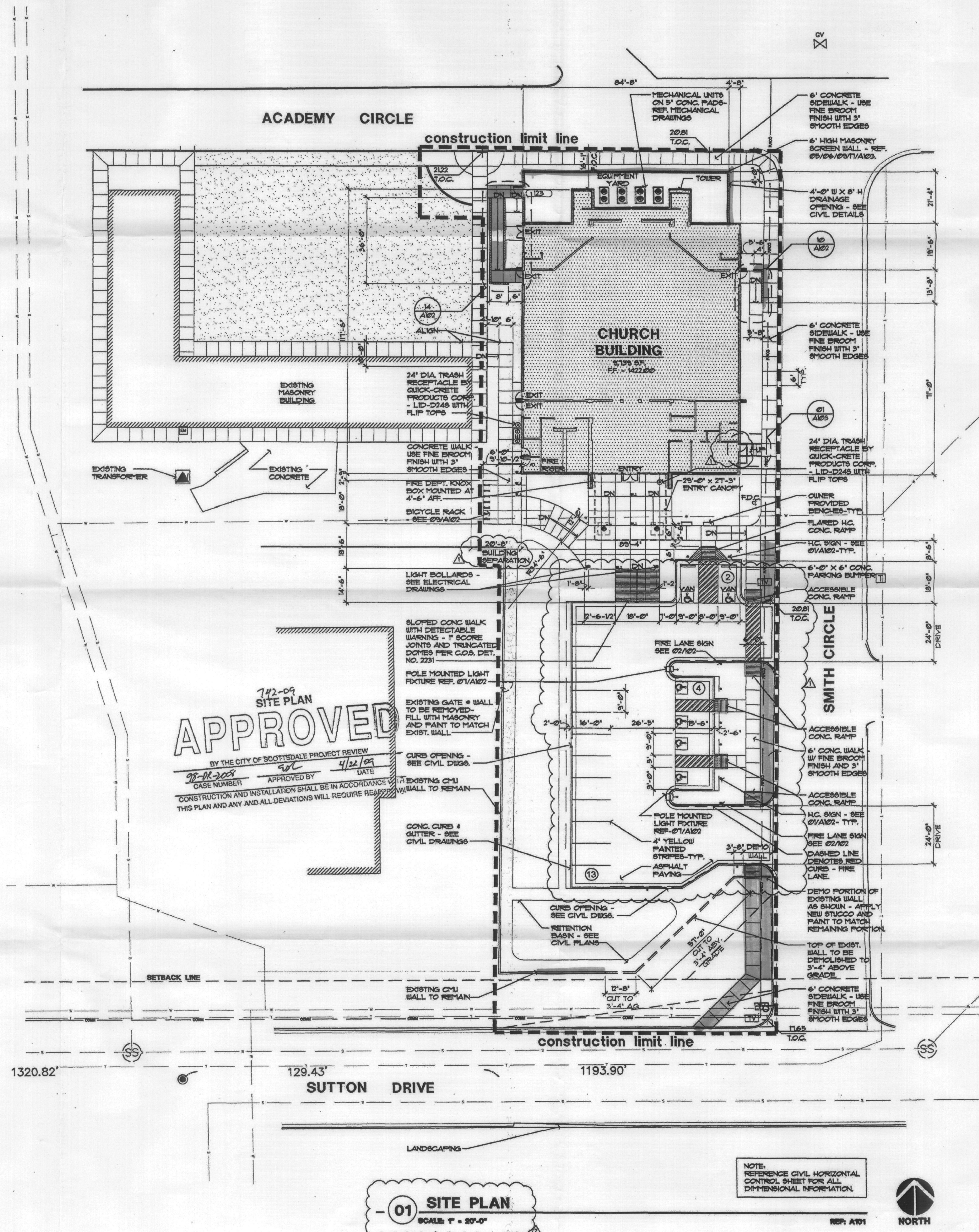
TOTAL PARKING REQUIRED: 126 SPACES

PARKING PROVIDED:
 EXISTING PARKING: 11 SPACES
 NEW PARKING: 15 SPACES

BICYCLE PARKING: 14 SPACES
 (10% OF 126 = 13 SPACES REQUIRED)

TOTAL PARKING PROVIDED: 136 SPACES

ACCESSIBLE SPACES PROVIDED:
 MOBILITY IMPAIRED ACCESSIBLE SPACES: 6
 MOBILITY IMPAIRED VAN ACCESSIBLE SPACES: 4



742-09
 SITE PLAN
APPROVED

BY THE CITY OF SCOTTSDALE PROJECT REVIEW
 APPROVED BY [Signature] DATE 4/22/09
 CASE NUMBER 742-09
 CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND ANY AND ALL DEVIATIONS WILL REQUIRE REVISIONS.

NOTE:
 REFERENCE CIVIL HORIZONTAL CONTROL SHEET FOR ALL DIMENSIONAL INFORMATION.

01 SITE PLAN
 SCALE: 1" = 20'-0"

REP. A101

