RE-PLAT OF THE SOUTH 1/2 OF LOTS 83 AND 84, HIGHLAND ADDITION, ACCORDING TO BOOK 2, PAGE 35, RECORDS OF MARICOPA COUNTY, ARIZONA, ALONG WITH THE SOUTH 875 FEET OF THE NORTH 1/2 OF LOTS 83 AND 84, LOCATED IN A PORTION OF THE SOUTHWEST 1/4 OF SECTION 4, TOWNSHIP 1 NORTH, RANGE 3 EAST, OF THE GILA & SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.

OWNER

ENGINEER

LEGAL DESCRIPTION

SURVEY RECORDS & REFERENCES

FEMA FIRM NOTES

PLANNING AND DEVELOPMENT APPROVAL

ACKNOWLEDGMENT

SURVEYORS CERTIFICATION

SITE ADDRESS

DEDICATIONS AND/OR TRACTS PER THIS PROJECT

PROJECT DESCRIPTION

SURVEYOR'S CERTIFICATION

FLOOD INSURANCE RATE MAP TABLE

FEMA FIRM NOTES

APPLICATION FOR FLOOD INSURANCE RATE MAP RECLASSIFICATION AS A SITE 1 OR SITE 2 BASED ON THE ANNUAL CHANCE OF FLOOD, IN THE AMOUNT OF LESS THAN 1% ANNUAL CHANCE OF FLOOD WITH THE LOWER LIMIT OF LESS THAN 1% ANNUAL CHANCE OF FLOOD.

ACKNOWLEDGMENT

STATE OF ARIZONA GIVES NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THIS DOCUMENT, AND DISCLAIMS ALL LIABILITY FOR ANY LOSS OR DAMAGE SUFFERED OR INCURRED IN RELIANCE ON ITS CONTENTS.

SIGNED AND OFFICIAL SEAL

SIGNATURE: ___________________________  DATE: ________________
Xeriscape Landscaping Criteria:
1. Existing 6’ high masonry site wall to remain.
2. New 6’ high masonry site wall.
3. New 3’ high masonry site wall.
5. New wall mounted electric central irrigation drip timer.
6. 1/2” crushed granite to provide a minimum 2.5 inch even coverage. Color of material to approved by Owner prior to ordering.
7. 2-1/2” Caliper accent tree.
8. 5-gallon native species shrub.
9. Final plant locations by Owner.

PROJECT DESCRIPTION:
CONSTRUCTION OF A SINGLE FAMILY DETACHED RESIDENTIAL UNIT
PROJECT DATA:
PROPOSED USE: SINGLE FAMILY
BUILDING HEIGHT: 15'-7"
BUILDING STORIES: 1-STORY
SITE DATA (LOT 1 WEST):
GROSS SITE AREA: 5,972 SF
NET SITE AREA: 2,460 SF
BUILDING AREA: 1,512 SF
LOT F.A.R.: 38%
LOT COVERAGE: 62%
SITE DATA (LOT 2 EAST):
GROSS SITE AREA: 4,747 SF
NET SITE AREA: 3,339 SF
BUILDING AREA: 1,508 SF
LOT F.A.R.: 32%
LOT COVERAGE: 47%
## Project Details

**Building:***
- Project Name: [Project Name]
- Building Name: [Building Name]
- Owner: [Owner]
- Architect: [Architect]
- Contractor: [Contractor]
- HVAC Contractor: [HVAC Contractor]

### Building Size

- Gross Area: [Gross Area] sq ft
- Net Area: [Net Area] sq ft
- Total Floor Area: [Total Floor Area] sq ft

### Utilities

- Electrical: [Electrical Info]
- Gas: [Gas Info]
- Water: [Water Info]
- Chillers: [Chillers Info]
- Pumps: [Pumps Info]

### Energy Performance

- Energy Use: [Energy Use]
- Energy Efficiency: [Energy Efficiency]
- Energy Rating: [Energy Rating]

### Equipment

- Air Handling Units: [Air Handling Units]
- Chillers: [Chillers]
- Boilers: [Boilers]
- Pumps: [Pumps]

### System Description

- System Type: [System Type]
- System Design: [System Design]
- System Use: [System Use]

### Building Setting

- Location: [Location]
- Climate Zone: [Climate Zone]
- Site Conditions: [Site Conditions]
- Building Orientation: [Building Orientation]

### System Performance

<table>
<thead>
<tr>
<th>System</th>
<th>Description</th>
<th>Design Conditions</th>
<th>Performance Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>[Heating Info]</td>
<td>[Design Conditions]</td>
<td>[Performance Conditions]</td>
</tr>
<tr>
<td>Cooling</td>
<td>[Cooling Info]</td>
<td>[Design Conditions]</td>
<td>[Performance Conditions]</td>
</tr>
<tr>
<td>Lighting</td>
<td>[Lighting Info]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Calculations

- [Detailed Calculation]
- [Detailed Calculation]
- [Detailed Calculation]

### Notes

- [Notes]
- [Notes]
- [Notes]
**Total Building Summary (Cost)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Building Cost</td>
<td>$X,000</td>
</tr>
<tr>
<td>Energy Costs</td>
<td>$Y,000</td>
</tr>
<tr>
<td>Operating Costs</td>
<td>$Z,000</td>
</tr>
<tr>
<td>Total Cost</td>
<td>$XX,000</td>
</tr>
</tbody>
</table>

**Equipment Data - System 1: Entire Building**

**Equipment Type**: Air-Conditioning System

**Capacity**: X tons

**Energy Efficiency**: Y% (HSPF)

**Installation Date**: DD/MM/YYYY

**Manufacturer**: ABC Company

**Model**: DEF-123

**Parts Breakdown**

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>10</td>
<td>$1,000</td>
</tr>
<tr>
<td>B</td>
<td>5</td>
<td>$2,500</td>
</tr>
</tbody>
</table>

**Calculations**

- **Total Cost Calculation**:
  - $X,000 (Building Cost) + $Y,000 (Energy Costs) + $Z,000 (Operating Costs) = $XX,000 (Total Cost)

- **Energy Efficiency Calculation**:
  - HSPF = Y% (based on the specified efficiency level)

- **Installation Date**:
  - DD/MM/YYYY

**Contact Information**

- Name: John Doe
- Company: Engineering Firm
- Contact: 555-123456
CARPORT

PORCH OPTION

KITCHEN

VAULTED CEILING

FAMILY RM.

VAULTED CEILING

BEDROOM #1

BDRM. SUITE

BEDROOM #2

BA #1

BATH #2

MECHANICAL - OPTIONS
### Structural Notes

#### Design Criteria

- **Site:**
  - General considerations for site.

- **Foundation:**
  - Requirements for foundation design.

- **Materials:**
  - Types and specifications for materials.

#### General Construction Notes

- **Preparation:**
  - Procedures for preparing the site and materials.

- **Site Safety:**
  - Guidelines for safety measures.

- **Quality Control:**
  - Procedures for quality control measures.

#### Nailings Schedule

<table>
<thead>
<tr>
<th>Connection</th>
<th>Nail Type</th>
<th>Nail Size</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Masonry

1. **Horizontal Masonry:**
   - Description and specifications for horizontal placements.

2. **Vertical Masonry:**
   - Description and specifications for vertical placements.

#### Lifter

- All components must be securely attached to the lifter,

#### Trellis

- All components must be secured to the trellis system,

#### Concrete

- Specifications for concrete placements.

#### Structural Steel

- Requirements for structural steel placements.

#### Framing

- Specifications for framing components.

#### Reinforcing Steel

- Specifications for reinforcing steel placements.

#### Welding

- Requirements for welding procedures.

#### Special Inspection

- Procedures for special inspections.

---

**Note:** This document contains detailed specifications and notes for structural construction, including materials, masonry, nailings, and various construction components. It is essential to review and adhere to all guidelines for safe and effective construction.