

republic square park

black bird

CONCEPT DESIGN

DESIGNWORKSHOP, LANDSCAPE ARCHITECTS



KINCANNON STUDIOS, SCULPTORS

CITY OF AUSTIN, ART IN PUBLIC PLACES

... landing 2017!

ORIGIN...

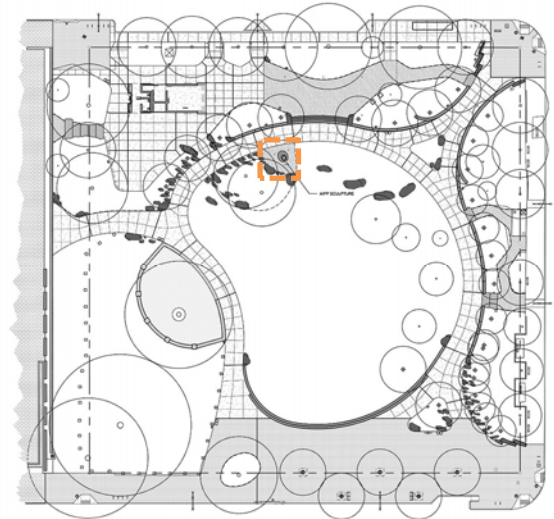
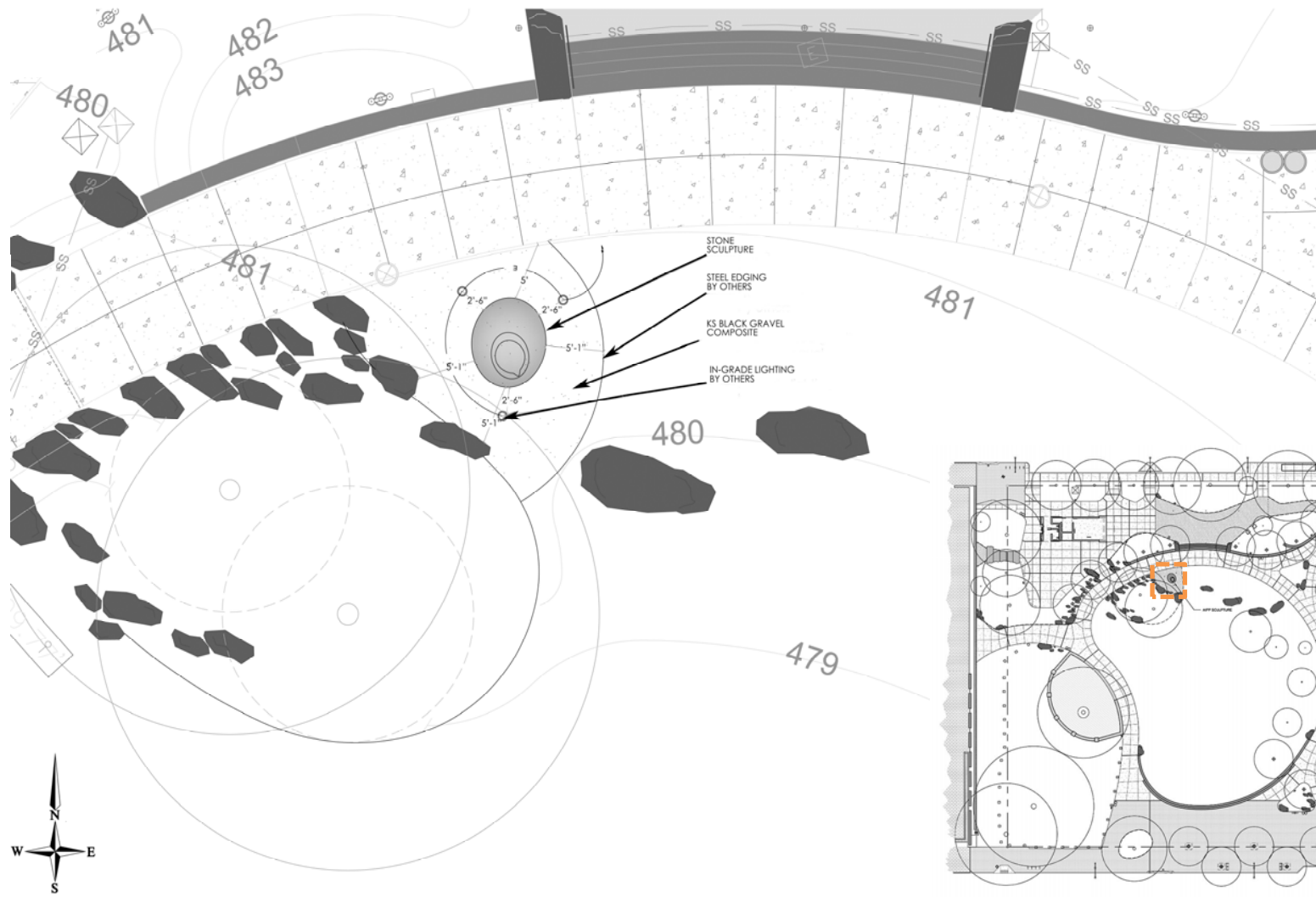
IN THE TRADITION OF  
OAXACAN BLACK  
CLAY POTTERY.



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**SITE PLAN & KEY PLAN**

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## principal designer:

Holly Young-Kincannon, Assoc. AIA

## principal sculptor:

Joseph Kincannon, Master Carver

## project INFO

### CONCEPT DESCRIPTION:

BLACKBIRD is a contemporary blend of pop, and traditional art. Her dark color and flamboyant detail draws inspiration from a pottery and folk art style in Oaxaca, Mexico. She's plump, decorative and fun, and very much in the spirit of, "Please touch the art movement".

### PROJECT CHARM:

References our local sympathies, and social identity as non-conformists, lover of eccentrics, and outlier iconography. Also an abstract recall of Austin grackles, and the whisper of music.

### SITE LOCATION:

On the North side of the park with central placement, near two existing Cypress Trees.

## project MATERIALS

### SCULPTURE:

Texas Cordova Cream Limestone with Bronze Seat Insert

### FINISH:

Mineral Life Silicate Paint, Waterglass Coating & Lacquer, Buffed to Lustre

### GROUND COVER:

KS Black Gravel Composite w/ Core Glow



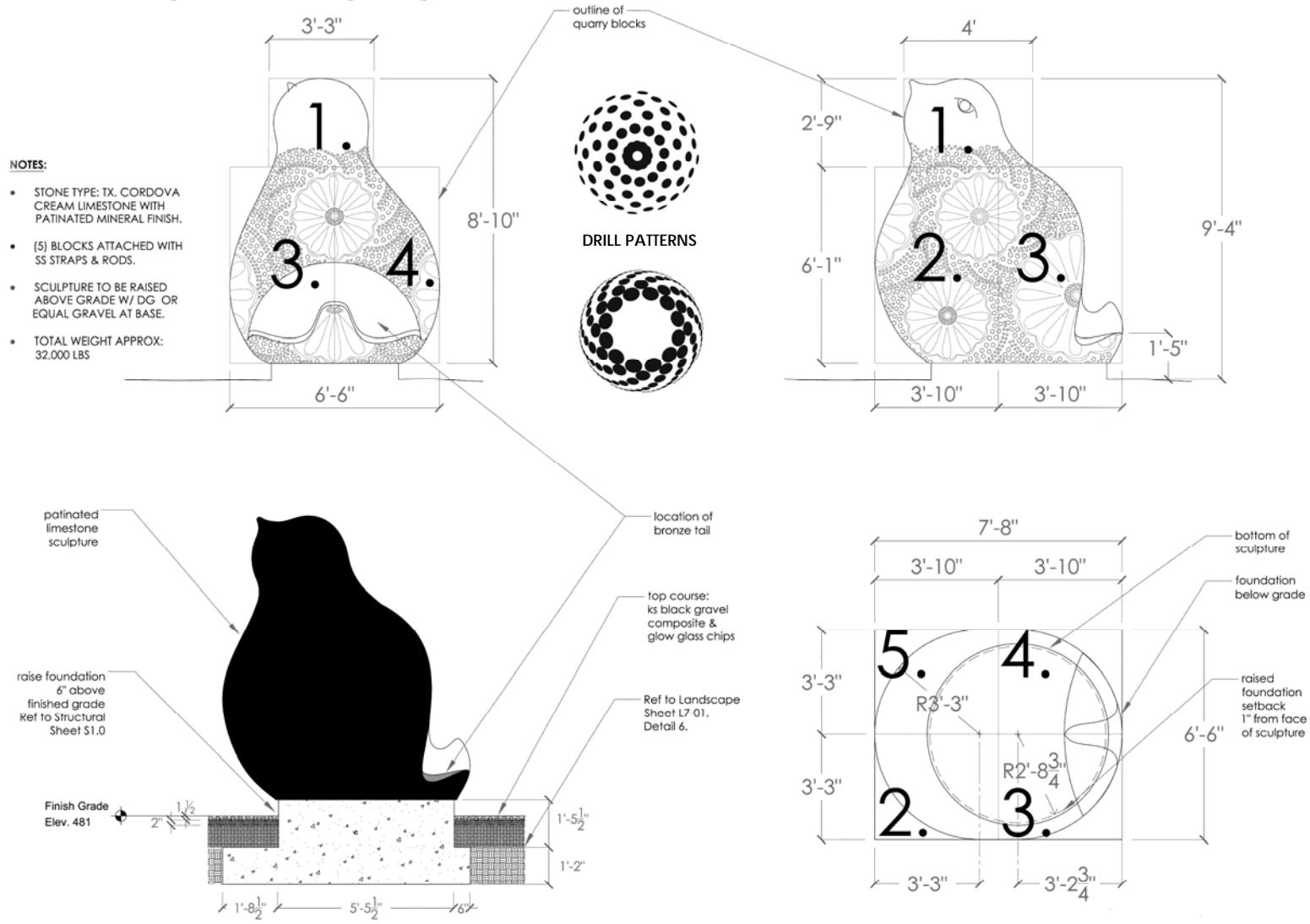
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## NOTES:

- STONE TYPE: TX. CORDOVA CREAM LIMESTONE WITH PATINATED MINERAL FINISH.
- [5] BLOCKS ATTACHED WITH SS STRAPS & RODS.
- SCULPTURE TO BE RAISED ABOVE GRADE W/ DG OR EQUAL GRAVEL AT BASE.
- TOTAL WEIGHT APPROX: 32,000 LBS



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SCULPTURE PLAN & ELEVATIONS

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## custom-mixed gravel

### KS COMPOSITE BLACK GRAVEL:

Proposed blend to be used as equal to standard decomposed granite, and mixed with glow glass chips.

**TYPE:** Basalt Black Star Gravel  
**SIZE:** Grade 5 / 1/4 " and less  
**SOURCE:** Custom Stone Supply  
4523 Brittmoore St, Houston, Tx 77041  
Tel # 713-937-3966



**TYPE:** Topping Sand, Coarse  
**SIZE:** Black #16, Clean, Dry  
**SOURCE:** Pavepatch.com  
PTI Pavement Repair Products  
9603 Pennington Ln, Missouri City,  
Texas 77459  
Tel# 281-778-3223



**TYPE:** Core Glow Glass Chips  
**SIZE:** Medium: 3-5 mm & Large: 8-10  
**SOURCE:** Core Systems  
PO Box 1545, Comox, British Columbia,  
Canada, V9M 8A2  
Tel# 250-871-6840



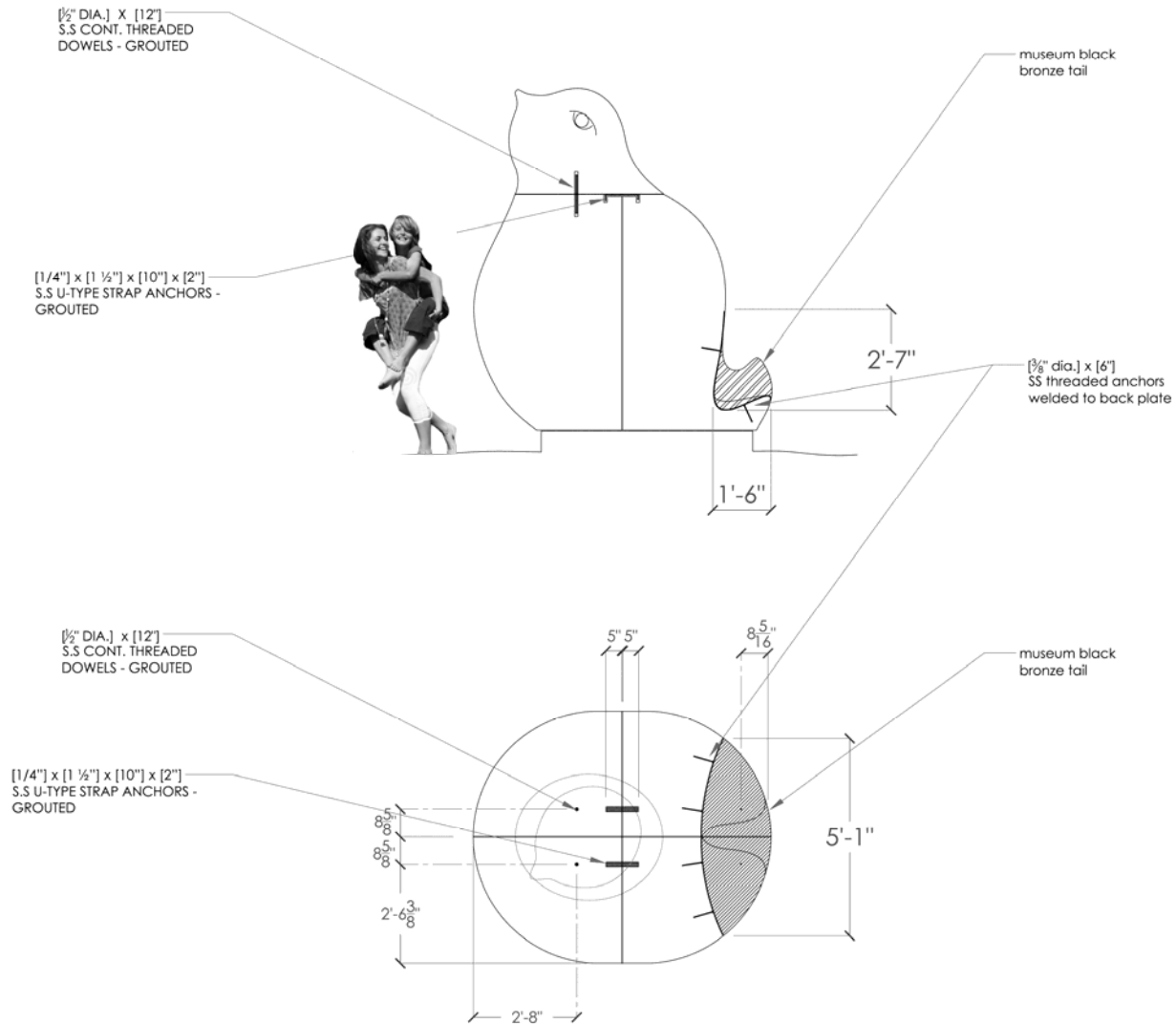
**TYPE:** Black Beauty Sand  
**SIZE:** Fine 30/60 Mesh for Sand Blasting  
**SOURCE:** Sears Item # SPM9195588417  
Model # BB-3060-10



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METAL COMPONENTS



STRUCTURAL NOTES

GENERAL

1. The general contractor is responsible for coordination of all resulting revisions to the structural system or other trades as a result of acceptance of contractor proposed alternatives or substitutions.
2. Methods, procedures, and sequences of construction are the responsibility of the contractor and must satisfy the minimum requirements of the 2012 International Building Code. The contractor shall take all necessary precautions to maintain and insure the integrity of the structure at all stages of construction.
3. The general contractor and sub-contractors shall determine the scope of the structural work from the contract documents taken as a whole. The structural drawings shall not be considered separately for purposes of bidding the structural work. Due consideration shall be given to other structural work or work related to the structure, including necessary coordination described or implied by the architectural, civil and MEP drawings.
4. The reproductive use of the structural contract documents or electronic files as structural shop drawing documents by the contractor or sub-contractors is not allowed.
5. Notes noted on the drawings are for general reference only. No dimensional information shall be obtained by direct scaling of the drawing.
6. Structural members have been located and designed to accommodate the mechanical equipment openings specified by the mechanical consultant. Any submissions resulting in revisions to the structure shall be the responsibility of the contractor to coordinate with Structures.
7. Principal openings in the structure are indicated on the contract documents, refer to the architectural, mechanical, electrical, and plumbing drawings for sleeves, cuts, trunks, etc., not herein indicated. Openings in slabs with a maximum side dimension or diameter of 12 inches or less shall not require additional framing or reinforcement, unless noted otherwise. The location of sleeves or openings in structural members shall be submitted to Structures for review.
8. General contractor is to verify and coordinate the size and location of all penetrations through the structure with shop drawings from mechanical equipment suppliers and installers prior to construction.
9. Shop drawings for the stair landings, stair stringers, stair treads, handrails, guardrails, and associated structures shall be stamped and signed by a State of Texas registered engineer and submitted to Structures for review prior to fabrication.
10. These drawings do not, nor are intended to, locate property lines, building set backs nor height limitations. It is the contractor's responsibility to obtain all necessary permits and to obtain applicable code restrictions. Further, it is the civil engineer's responsibility to address site drainage appropriate to the site and in consideration to adjoining properties.

CODES

1. The structure and components shown in these drawings have been designed under the guidelines of the structural requirements listed in the 2012 International Building Code with required amendments.
2. Minimum Design Loads for Buildings & Other Structures, ASCE/SEI 7-10.
3. Structural Steel: AISC Steel Construction Manual, Fourteenth Edition.
4. Structural Concrete: American Concrete Institute, ACI 318-11.
5. Structural Masonry: 2008 Masonry Standards Joint Committee, ACI 530-11/ASCE 5-11/TMS 402-11.

DESIGN LOADS

1. The design gravity loads are as follows:  
Superimposed Dead Loads (Included, but not limited to):  
Floor Assemblies: 10 psf  
Partitions: As Required  
Live Loads:  
Floor: 100psf
2. Wind: The structure has been designed to withstand the wind pressures specified in ASCE 7-10.  
Basic wind speed (3 second gust): 110 miles per hour.  
Wind Importance Factor: 1.15  
Occupancy Category: II  
Wind Exposure: B  
Internal Pressure Coefficient: 0 or 0.18.
3. Ground Snow Load: Pg = 5 psf.
4. Earthquake:  
The seismic lateral load on the structure is based on the following:  
Seismic Design Category: A  
Due to the Seismic Design Category, IBC Section 1805.3.5 does not apply for the project.

SPECIAL INSPECTIONS

1. Inspection of fabrications: Where fabrication of structural load-bearing members and assemblies is being performed on the premises of a fabricator's shop, special inspection of the fabricated items shall be required by the 2012 IBC and the building official.
2. Concrete Construction: The special inspections and verifications for concrete construction shall be as required by the 2012 IBC and the building official.
3. Masonry Construction: Masonry construction shall be inspected and evaluated in accordance with the requirements of the 2012 IBC and the building official, depending on the classification of the building or structure or other factors as specified by the building code.
4. Soil: Special inspections for fill placement shall be as required by the 2012 IBC and the building official. The approved soils report, required by Section 1803.2, and the documents prepared by the registered design professional in connection with the fill placement shall be submitted to the building official for review and the approved soils report, as specified in Section 1803.5.
5. Special Cases: Special inspections shall be required for proposed work that is, in the opinion of the building official, unusual in its nature, such as, but not limited to the following examples:
  1. Construction materials and systems that are alternatives to materials and systems prescribed by this code.
  2. Unusual design applications of materials described in this code.
  3. Materials and systems required to be installed in accordance with additional manufacturer's instructions that prescribe requirements not contained in this code or in standards referenced by this code.

FOUNDATION

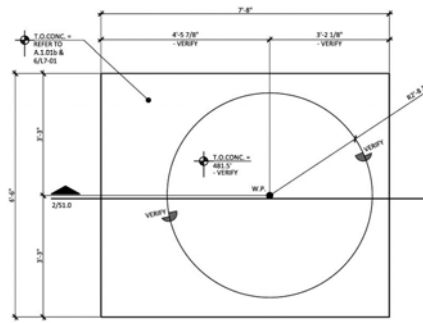
1. The subsurface information and foundation design are based on a report prepared by Huib Engineering, Inc., File No. 08-12123, dated September 10, 2013. The contractor shall perform excavations, foundation construction, and preparation of the subgrade under the slab on grade in accordance with the recommendations contained in the geotechnical report and project specifications. See the following design pressures reported therein.
2. Foundation conditions noted during construction, which differ from those described in the geotechnical report shall be reported to the architect, geotechnical engineer and Structures, before further construction is attempted.
3. The foundation design assumptions do allow for a limited amount of potential vertical rise that will not affect structural stability. This allowance in design does not cover architectural, mechanical, electrical or plumbing features.

CONCRETE

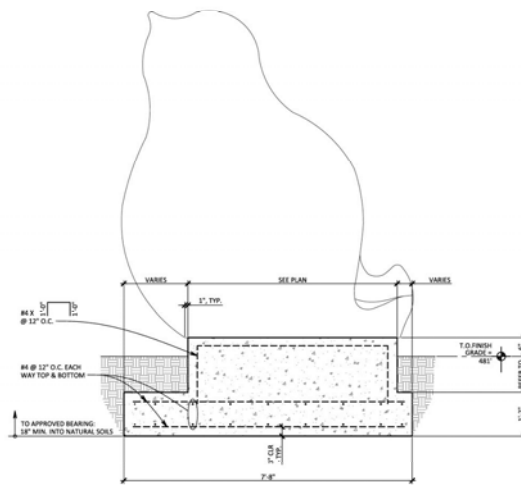
1. Concrete in the following areas shall have the following City of Austin mix design:  
Spread footings: C.O.A. CLASS A
2. All concrete mix designs shall be reviewed and approved by the testing agency prior to sending to the engineer of record for approval.
3. Use the following cementitious materials, of the same type, brand and source throughout the Project:  
Portland Cement: ASTM C 150, Type I/II
4. Fly ash may be used as a partial replacement of the portland cement in a concrete mix, subject to the approval of the structural engineer. Fly ash, when used, shall conform to ASTM C 618, Type C or F. Concrete mixes using fly ash shall be proportioned to account for the properties of the specific fly ash used and to account for the specific properties of the fly ash concrete that resulting. The ratio of the amount of the fly ash to the total amount of fly ash and cement in the mix shall not exceed 40 percent.
5. Use the following normal-weight aggregate: ASTM C 33, coarse aggregate or better, graded. Provide aggregates from a single source conforming to the following:  
Maximum Coarse Aggregate Size: typically 3/4" nominal diameter  
Fine Aggregate: Free of material with maximum moisture to alkali in cement
6. Water shall conform to ASTM C 194/C 194M and be potable.
7. Admixtures if used shall be subject to the approval of the structural engineer.
8. Mixing, transporting, and placing of concrete shall conform to ACI 301 and ASTM C 94.
9. Conformance to ACI 305.1 "Specification for Hot Weather Concrete" is required when air temperature is above 90 deg F.
10. Conformance to ACI 306 "Cold Weather Concrete" is required when a period for more than three (3) consecutive days, the average daily air temperature is below 40 deg F and the air temperature is not greater than 50 deg F for more than one-half of any 24 hour period.
11. General contractor shall notify the architect and Structures 48 hours prior to placement of concrete in the foundation.
12. Detailing of concrete reinforcement bars and accessories shall conform to the recommendations of ACI 313 "Detailing and Detailing of Concrete Reinforcement" and ACI 308-06 "Detailing Manual".  
Placing of reinforcing bars shall conform to the recommendations of ACI 313R "Manual of Engineering" and placing drawings for reinforced concrete structures" and CRSI "Manual of Standard Practice".
13. No conduit or piping larger than 1" I.D. shall be run in structural concrete members unless shown on structural drawings.
14. All pipe sleeves in concrete members shall be schedule 40 pipe unless shown otherwise on the structural drawings. Location of the sleeves shall be as approved by the Structural Engineer. Provide 3 additional stirrups each side of each sleeve in beams and slabs as directed by the engineer.
15. Reinforced steel shall be deformed new billet steel bars in accordance with A.S.T.M. Specification A633 Grade 60.
16. All stirrups shall be Grade 60 with standard 90 degree hooks.
17. All hooks and bends in reinforcing bars shall conform to ACI Standards unless shown otherwise.
18. Reinforcement designated as "vertical" may be utilized using Type "W" splices. Reinforcement bar splice lengths in beams which are located at the centerline of supports for bottom bars and at mid-span for top bars may be 36 bar diameters, unless noted otherwise. Provide standard ACI hooks for top and bottom bars at discontinuous ends of all grade beams.
19. Reinforcement bars shall not be tack welded, welded, heated, or cut unless indicated on the contract documents or reviewed by the structural engineer.
20. Minimum concrete cover protection for reinforcement bars shall be as follows: (see ACI 318 Section 7.7 for conditions not noted).  
Concrete exposed to weather: 1 - 1 1/2 inches  
All bars and smaller: 2 inches  
Concrete cast against earth: 3 inches

COORDINATION

1. Only certain of the required above openings in structural framing component members, and only certain of the required framed openings in and/or through structural assemblies are indicated on the structural series drawings. However, all sleeves, inserts and openings, including frames and/or sleeves, therefore, shall be provided for passage, insertion and/or incorporation of the work of the contractor, including but not limited to Mechanical, Electrical, and Plumbing work. The providing for sleeves or framed openings shall include the verification of size, alignment, dimension, position, location, elevations, and grades as required to serve the intended purpose. Openings not indicated on the structural series drawings, but required as shown, shall have been approved by the engineer.
2. Refer to Architectural, Mechanical, Electrical, and Plumbing series drawings for floor elevations, slopes, drains, and location of depressed and elevated floor areas.
3. Structural series drawings shall be compared with drawings of other series; differences shall be referred to the Architect for instruction.
4. The structural system of this building is designed to perform as a completed unit. Prior to completion of the structure, structural components may be unstable and it is the responsibility of the contractor, or the client in the absence of a general contractor, to provide temporary shoring and/or bracing as required for the stability of the incomplete structure and for the safety of all on-site personnel.



1 BLACKBIRD FOUNDATION PLAN  
3/4" = 1'-0"



2 BLACKBIRD FOUNDATION SECTION  
3/4" = 1'-0"



1018 W. 51TH STREET  
AUSTIN, TEXAS 78750  
PHONE: 512.496.2919  
WWW.STRUCTURALS.COM  
FORM NO. 1-2012

BLACKBIRD AIPP  
REPUBLIC SQUARE PARK  
AUSTIN, TEXAS

NO.	DESCRIPTION	DATE
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A	REVIEW SET	05.18.15
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THIS DOCUMENT IS RELEASED

INTERIM REVIEW ONLY

DATE: 05/18/15

THIS DRAWING SHALL

NOT BE USED FOR

CONSTRUCTION, BIDDING,

OR PERMIT PURPOSES.

BLACKBIRD SCULPTURE

FOUNDATION PLAN,

DETAILS, & NOTES

DRAWN BY:	DATE:	CONTACT:	NO.
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05/18/15	05	058-01	0001
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S1.0

OF 1 SHEETS

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ENGINEER'S DRAWING

black bird

# final DESIGN

## project BUDGET

### SITEWORK

Foundation & Groundcover.....\$ 8,400.00

### SCULPTURE FABRICATION

Limestone, Bronze, Carving & Applied Finish.....\$ 55,250.00

### INSTALLATION

Labor, Materials & Equipment .....\$ 8,800.00

### TRANSPORTATION

To Fabrication & Park site.....\$ 2,250.00

STUDIO OVERHEAD.....\$ 12,400.00

Studio Expenses

INSURANCE.....\$ 3,700.00

Liability & Workman's Comp

CONTINGENCY.....\$ 4,000.00

SUBTOTAL.....\$ 94,800.00

DESIGN CONTRACT.....\$ 23,700.00

Studio Design, Structural, Models & Public Review

GRAND TOTAL . .....\$118,500.00

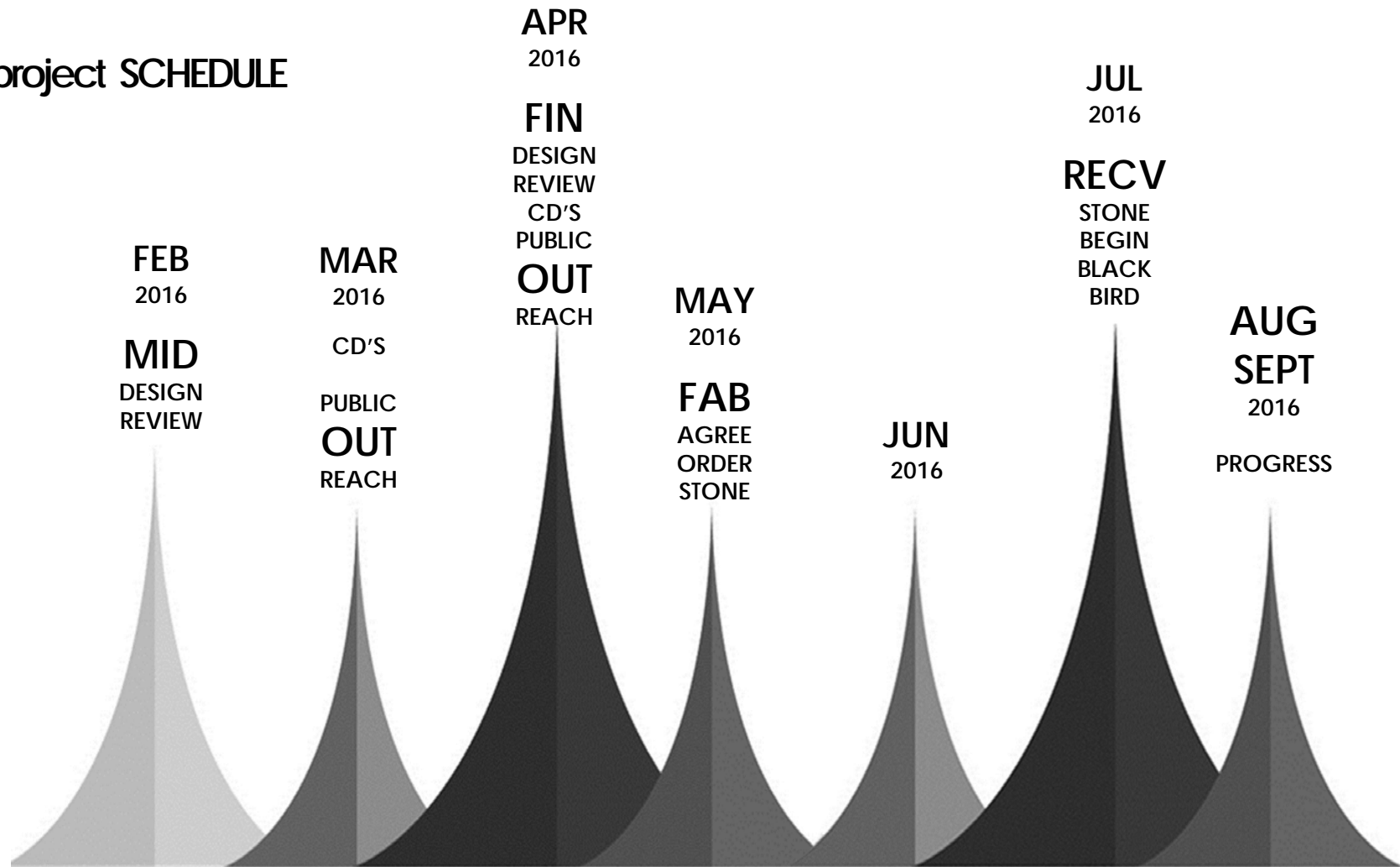
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project SCHEDULE

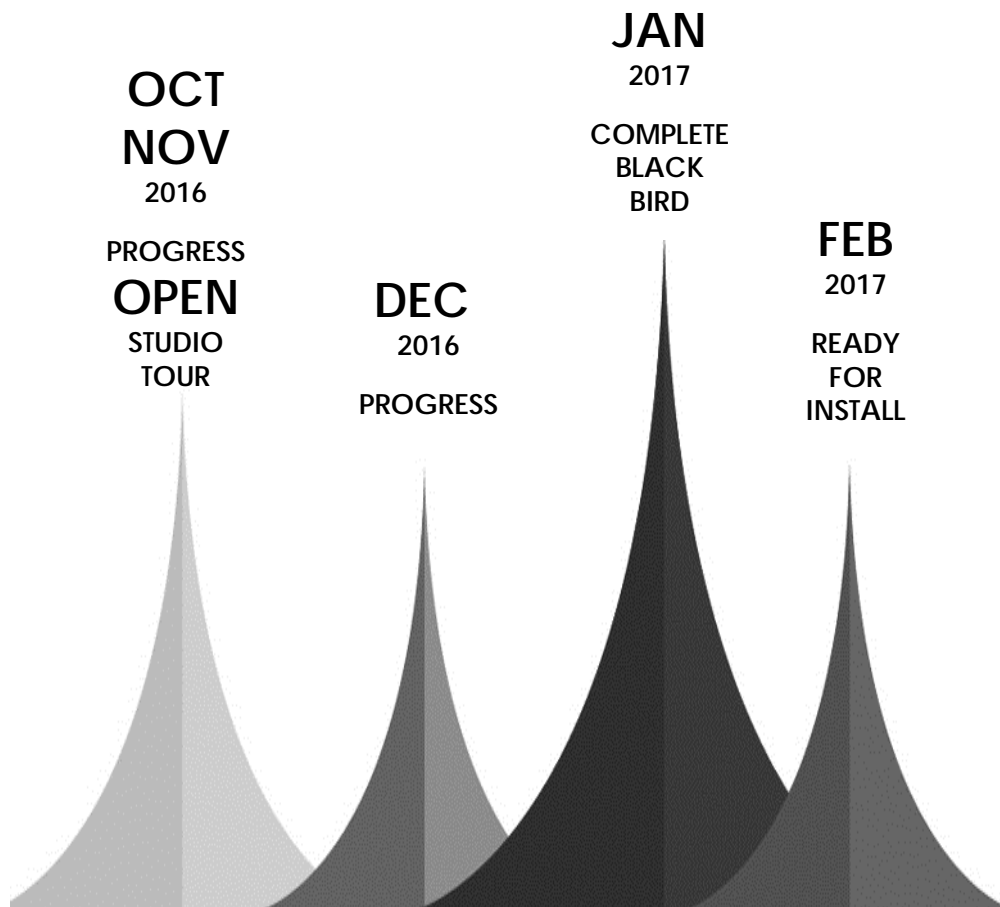


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## project SCHEDULE



## Community OUTREACH

**FIRST MTG:** Showcased @ Farmer's Market

**DATE:** March 26<sup>th</sup>, 2016

**SECOND MTG:** Stakeholder Tech. Advisory Group

**DATE:** April 27<sup>th</sup>, 2016

**EAST:** Open Studio Tour

**DATE:** Nov 2016

KINCANNON STUDIOS

# SILVER LINING ART CONSERVATION, LLC

CATHERINE L. WILLIAMS

OBJECTS CONSERVATOR

P.O. BOX 4390 AUSTIN, TX 78765

512.695.3260

CAT\_WMS@YAHOO.COM

**AIPP Pre- Fabrication Review:** Holly Kincannon, *Blackbird* (Republic Square Park)

**Meeting with Artist:** none

**Report Date:** April 1, 2016

## Materials Review

Carved limestone is extremely durable and will require little maintenance. The stainless steel straps and rods are sufficient to attach the block securely. The grout proposed to fill the joins along the blocks will be durable for outdoor use.

The silicate mineral stain and waterglass coating are an excellent choice. I agree with application of the waterglass lacquer that the artist has suggested for added durability. The silicate coating will be extremely compatible with the limestone, as well as colorfast and durable in an outdoor environment. This coating will require little to no maintenance and will make graffiti removal easier. The coating will also mitigate damage from airborne pollutants.

The bronze tail will also be extremely durable and the design for its attachment to the limestone looks secure. Once the black patina has been applied, it should be lacquered with three or four coats of Incralac lacquer by brush or spray. (The Incralac lacquer can be applied before or after the tail is set in place.) Waxing the bronze tail is NOT recommended in this case as wax can stain the adjacent limestone.

The concrete foundation design looks solid enough to support the sculpture. The surrounding groundcover will allow sufficient drainage to prevent pooling water.

## **Maintenance**

The artist's recommendations for maintenance and durability are an accurate assessment. Expect normal wear (e.g. scratches, abrasions, patina wear to bronze) and debris and residue from people (trash, spilled drinks, stickers, gum, and graffiti).

Frequency	Maintenance
Monthly (or more often as needed)	Remove debris, trash, leaves from around the area
Every 6 months	Wash with soap using nylon brushes by hand or VERY LOW (electric) pressure washer (psi ~300 or less) to remove bird droppings, grime, and pollutants on surface.
As needed	Remove graffiti: Surface graffiti can be removed with or chemical strippers such as Citri Strip or Watch Dog Wipe Out graffiti remover for porous surfaces. Incised graffiti should be filled with lime mortar (not cement!) by a mason skilled in the practice of tinted with mineral stain and waterglass coating to match original.
Every 5 - 8 years	Reapply Incralac coating to bronze tail. Requires masking off all adjacent limestone.
Every 12 – 15 years	Reapply waterglass lacquer according to manufacturer's instructions.