

Tree Court Improvements

Goals:

- *Enhance main entry court to pool.*



Current view of the tree court

Tree Court Improvements

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- *Provide improved root environment for existing Pecan Trees.*



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- *Provide improved root environment for existing Pecan Trees.*
- *Improve pedestrian walking surface and circulation.*
- *Incorporate Philosopher's Rock into new design.*



Current view of the tree court

Tree Court Improvements

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- *Provide improved root environment for existing Pecan Trees.*
- *Improve pedestrian walking surface and circulation.*
- *Incorporate Philosopher's Rock into new design.*
- *Provide seating and gathering areas for small groups.*
- *Provide overlook. Include interpretive signage.*



Tree Court Improvements

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- *Improve pedestrian walking surface and circulation.*
- *Incorporate Philosopher's Rock into new design.*
- *Provide seating and gathering areas for small groups.*
- *Provide overlook.*
Include interpretive signage.
- *Maintain East - West Circulation*



Tree Court Improvements



Arborist's Recommendations for Tree Care:

*From Don Gardner's Tree Care Option Letter dated March 27, 2011

- ***Overall Objective - "Reinvigorate the Root System of the Pecan Trees"***

Recommended Treatments Include:

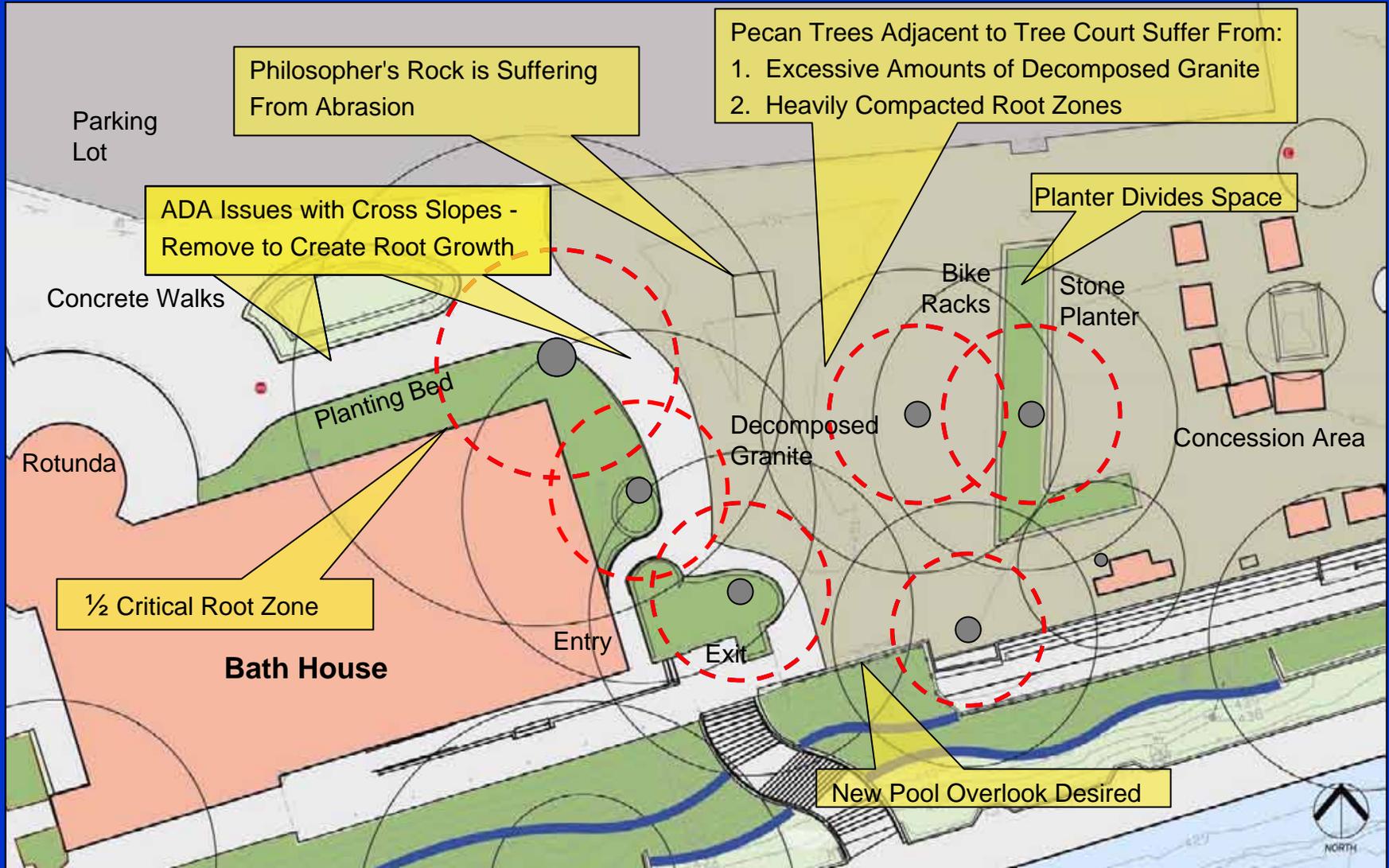
- 1. Remove the layer of Decomposed Granite (DG) approx. 12 inches deep***
- 2. Perform root invigoration work by using an air spade to loosen soil and adding compost***
- 3. Retain permanent planting and mulched areas as "dedicated tree root areas"***
- 4. These dedicated tree root areas should be a significant percentage (50%) of Tree Court area***
- 5. Dedicated tree root areas should be maintained regularly (compost, mulch and irrigation)***

Additional Recommendations Include:

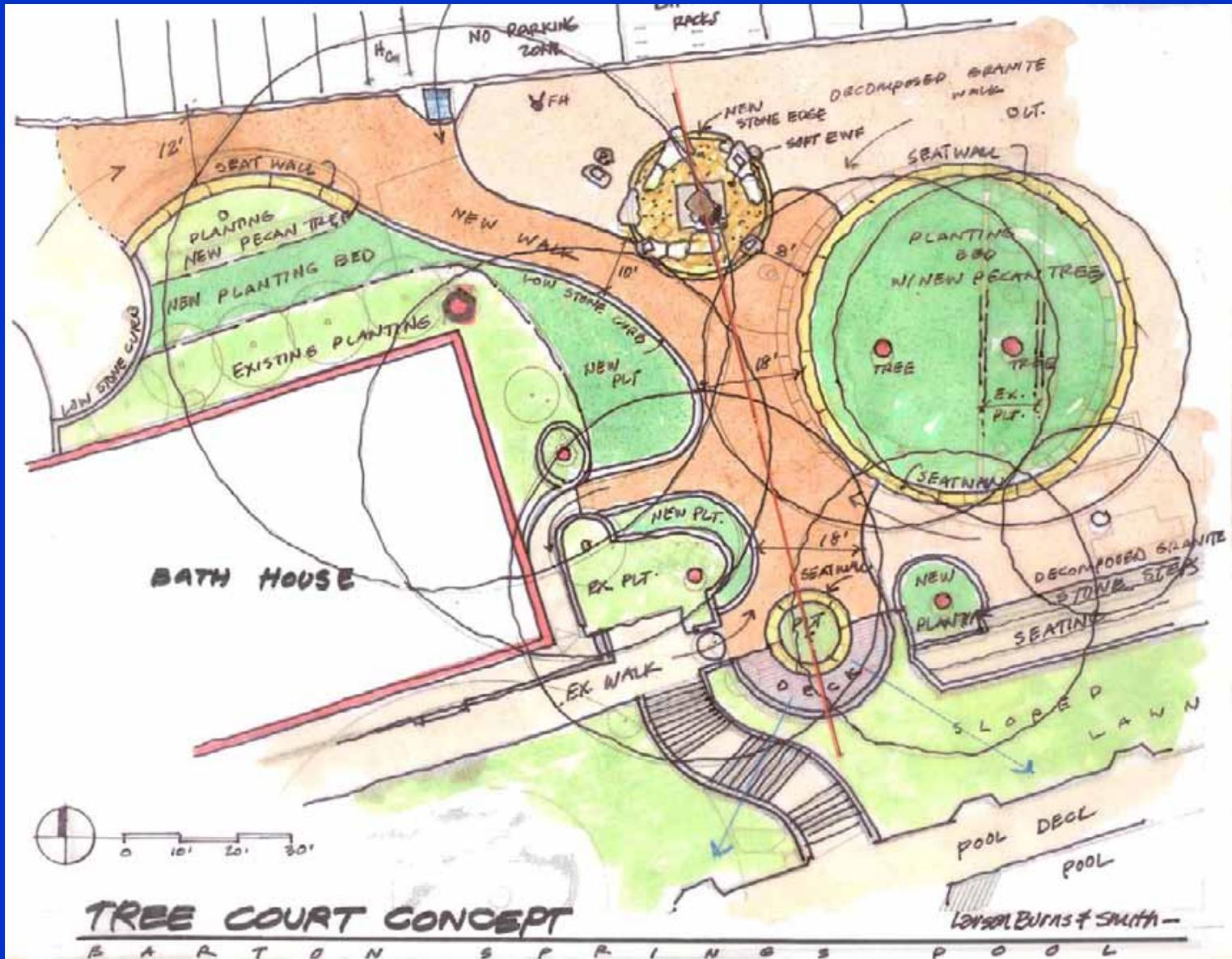
- 1. Remove existing sidewalk that curves around the building at the entrance. The walk sits on one of the best areas to create root growth.***
- 2. Slightly elevate the new walk over the tree root area.***
- 3. Additional new trees (two to four) should be planted now for the future.***

Tree Court Improvements

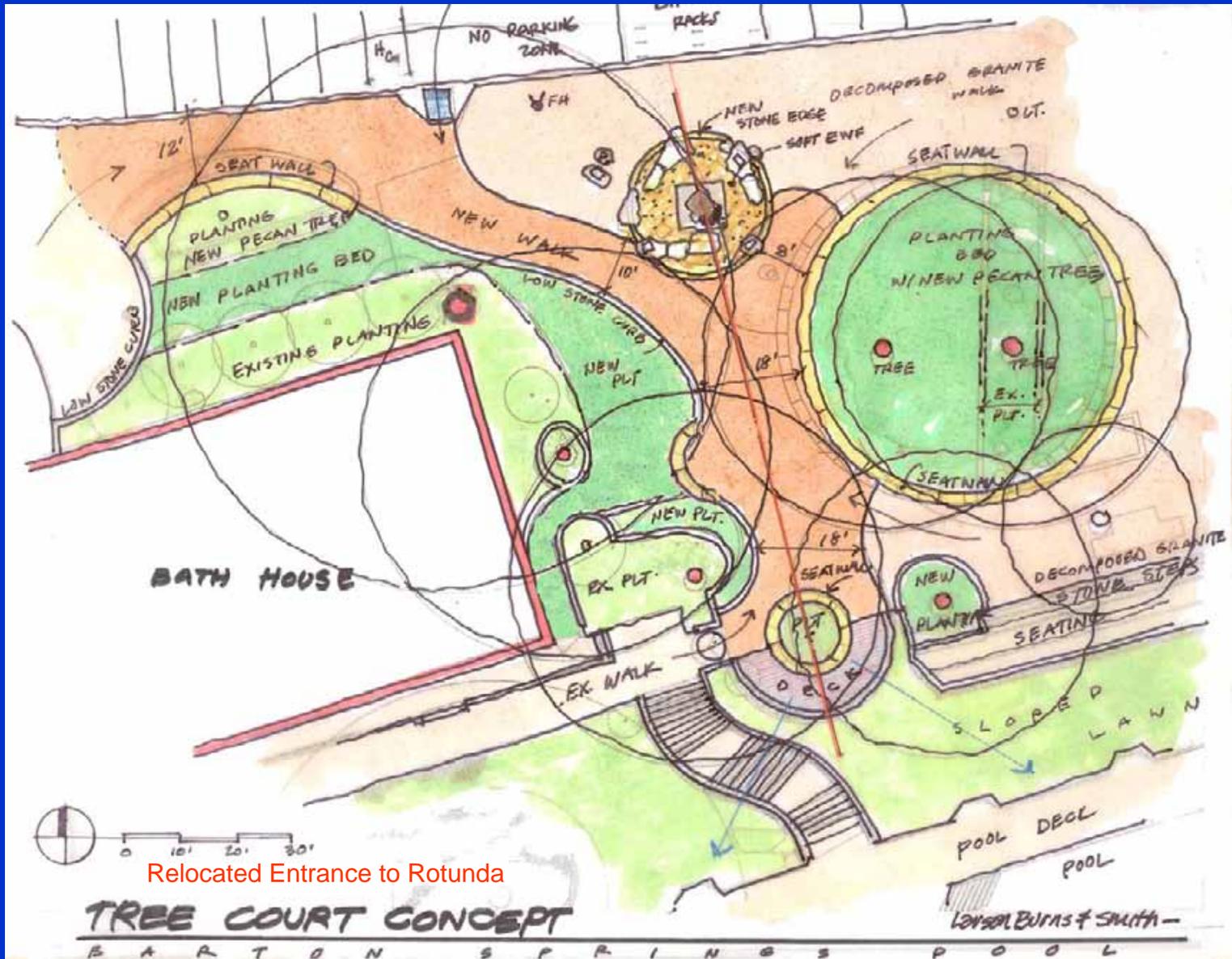
Analysis Plan - Landscape Concept



Tree Court Improvements



Tree Court Improvements



Relocated Entrance to Rotunda

Tree Court Improvements

Existing West View Toward Entrance



Tree Court Improvements

Proposed West View Toward Entrance



Tree Court Improvements

View When Entry is Relocated



Tree Court Improvements

Existing View of Exit

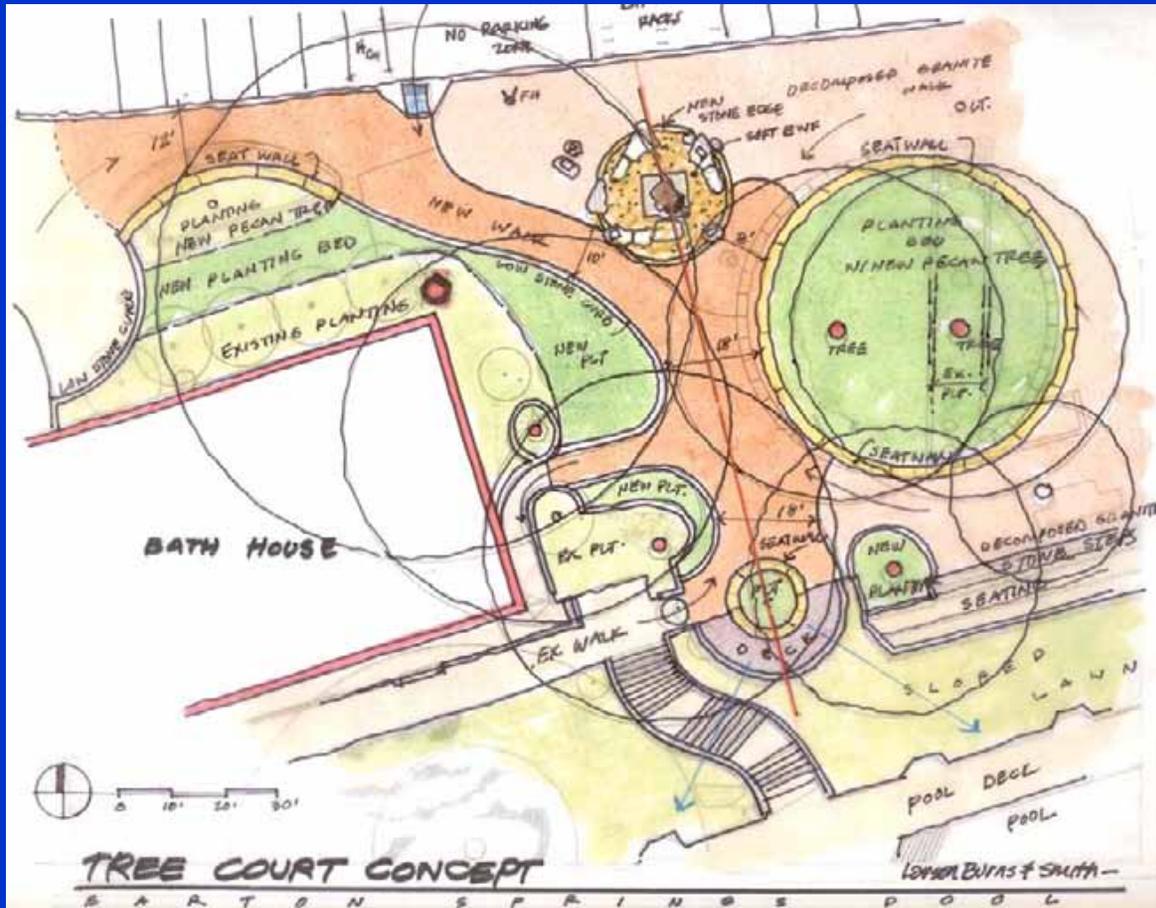


Tree Court Improvements

Proposed View of Exit with New Overlook



Tree Court Improvements



Existing Conditions

47% DG 5150 SF
30% Conc. 3300 SF
23% Green 2550 SF

Proposed Landscape Concept

9% DG 1000 SF
36% Conc. 4000 SF
55% Green 6000 SF

General Grounds Landscape Improvements



STANSBERRY ENGINEERING CO.
www.stansberryeng.com phone 512 / 791-888
Texas Registered Engineering Firm # 625

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SHEET NO. 040

PROJECT NAME & LOCATION
BARTON SPRINGS POOL
GENERAL GROUNDS IMPROVEMENTS
2301 BARTON SPRINGS ROAD
AUSTIN, TEXAS 78704

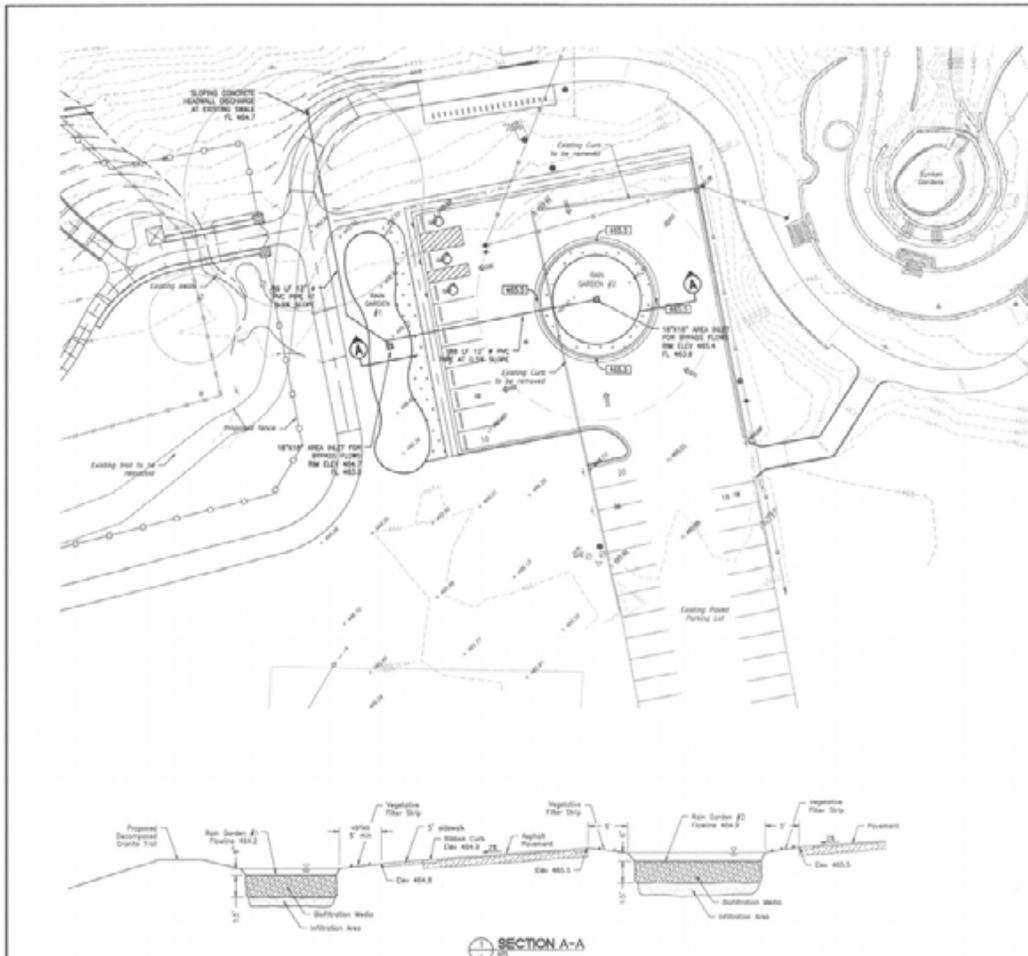


CITY OF AUSTIN
PARKS & RECREATION
DEPARTMENT
919 WEST 38 1/2 ST.
AUSTIN, TEXAS 78705

PROJECT NO.:
DRAWN BY: MS
REVIEWED BY: MS
DATE: 08/20/21

SHEET TITLE:
RAIN GARDEN PLAN

C10.2



RAIN GARDEN CALCULATIONS
Rain Garden Under Existing Conditions
with Vegetative Filter Strip (Permeability)
City of Austin 2.0 (0.01 - 18.75)
Rain Garden #1

DESIGN AREA DATA

Drainage Area (A) (Drainage Area 2)	0.128 ac
Infiltration Slope	0.0 %
Capture Depth (D) (0.045 ft @ 0.05 ft/s)	1.9 ft

VEGETATIVE FILTER STRIP

Hydraulic Loading Rate (HLR)	0.02 (4.8 in/hr)
Flow of Concentration	0.08
Runoff Coefficient	0.70
Rainfall Intensity	0.70 in/hr
Flow Rate (Q) = I x A	0.87 cfs
Minimum Width (W _{min}) = Q/HLR	17.4
Minimum Length (L _{min})	0.5
Width (W _{act}) (perpendicular to flow)	10.0 ft

RAIN GARDEN CALCULATIONS

Water Quality Volume (WQV) = 0.075 ac-ft	861 cu ft
Flowing Depth (d)	0.05
Hydraulic Conductivity (K)	0.05 ft/day
Dimensionless Time (D _{0.05})	60.7 hr
Depth of Filter Media (L)	1.0 ft
Effective porosity (n _e)	0.0
Effective porosity volume	80.0%

PERFORMING VOLUMES V_{total} = 4.7 cu ft
 Total Storage Volume (V_{st}) = 0.87 cu ft
 WQV = 0.87 cu ft
 Surface Area (A_{st}) = WQV / 0.05

Summary Table

Component	Dimension (ft)	Area (sq ft)
Drainage Area	128	861
Vegetative Filter Strip	10 x 100	1000
Rain Garden	10 x 100	1000

Rain Garden #2

DESIGN AREA DATA

Drainage Area (A) (Drainage Area 2)	0.128 ac
Infiltration Slope	0.0 %
Capture Depth (D) (0.045 ft @ 0.05 ft/s)	1.9 ft

VEGETATIVE FILTER STRIP

Hydraulic Loading Rate (HLR)	0.02 (4.8 in/hr)
Flow of Concentration	0.08
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Hydraulic Conductivity (K)	0.05 ft/day
Dimensionless Time (D _{0.05})	60.7 hr
Depth of Filter Media (L)	1.0 ft
Effective porosity (n _e)	0.0
Effective porosity volume	80.0%

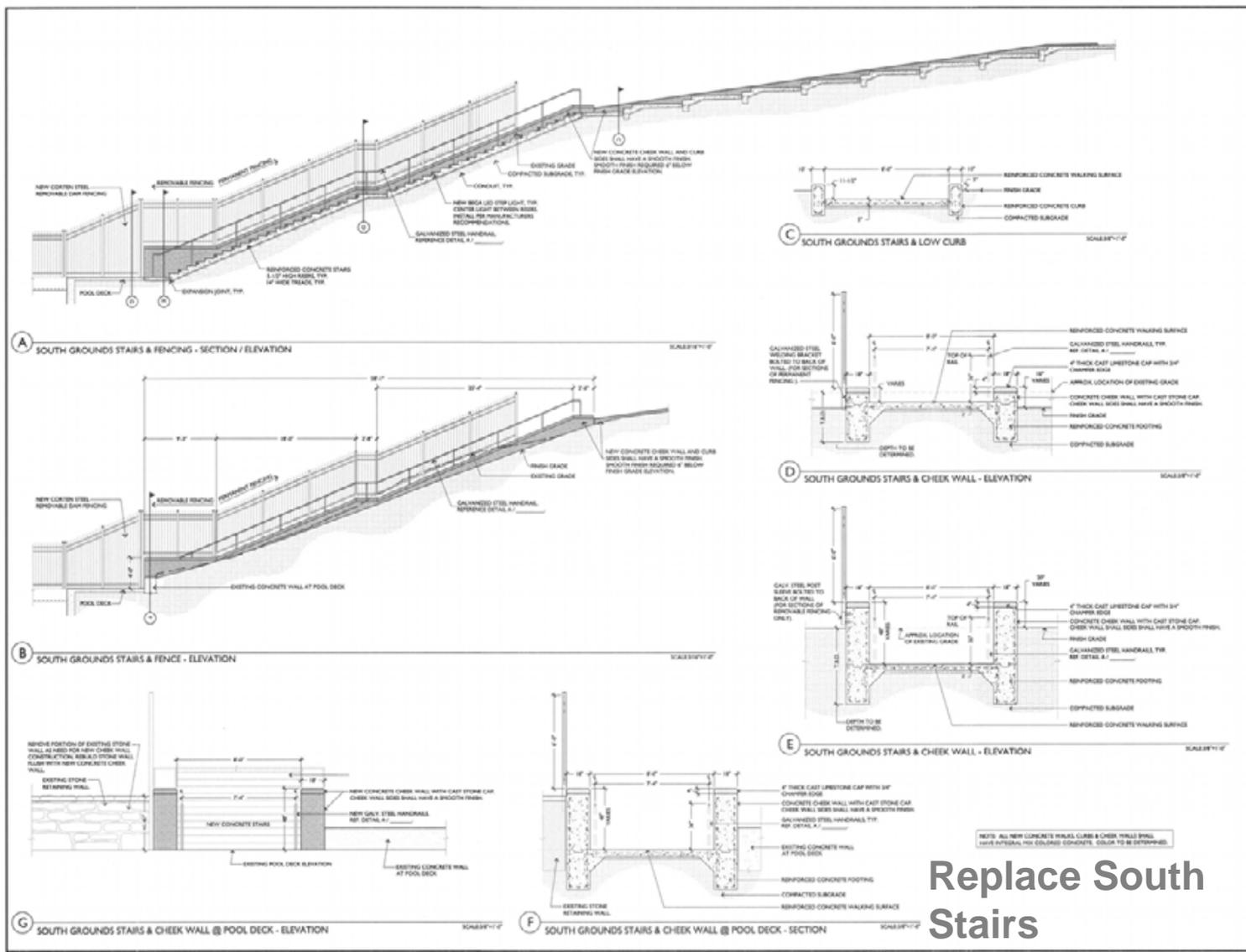
PERFORMING VOLUMES V_{total} = 4.7 cu ft
 Total Storage Volume (V_{st}) = 0.87 cu ft
 WQV = 0.87 cu ft
 Surface Area (A_{st}) = WQV / 0.05

Summary Table

Component	Dimension (ft)	Area (sq ft)
Drainage Area	128	861
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South Parking – Rain Garden New Entrance Gate

General Grounds Landscape Improvements



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PROJECT NAME & LOCATION:
 BARTON SPRINGS POOL
 GENERAL GROUNDS IMPROVEMENTS
 3101 BARTON SPRINGS ROAD
 AUSTIN, TEXAS 78754

**CITY OF AUSTIN
 PARKS & RECREATION
 DEPARTMENT**
 919 WEST 28 1/2 ST.
 AUSTIN, TEXAS 78705

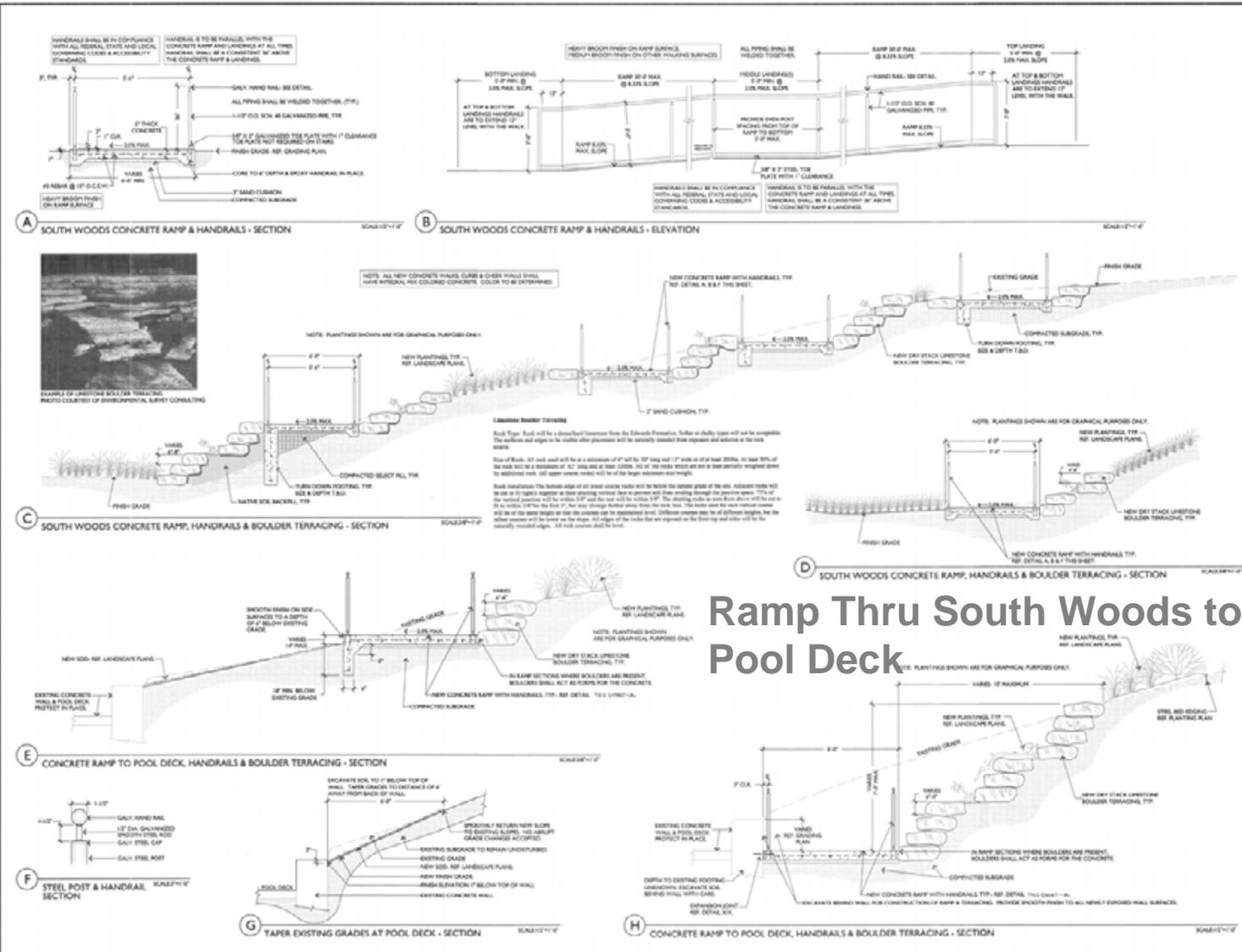
PROJECT NO.: JC
DESIGN BY: BL
DATE: August 5, 2017

SHEET TITLE:
 CONSTRUCTION DETAILS

C.I.S.

General Grounds Landscape Improvements

LARSON
BURNS
SMITH



Ramp Thru South Woods to Pool Deck

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PROJECT NAME & LOCATION

BARTON SPRINGS POOL GENERAL GROUNDS IMPROVEMENTS

2101 BARTON SPRINGS ROAD AUSTIN, TEXAS 78704

PROJECT NO.

Sheet 01 of 20

REVISED BY: RL

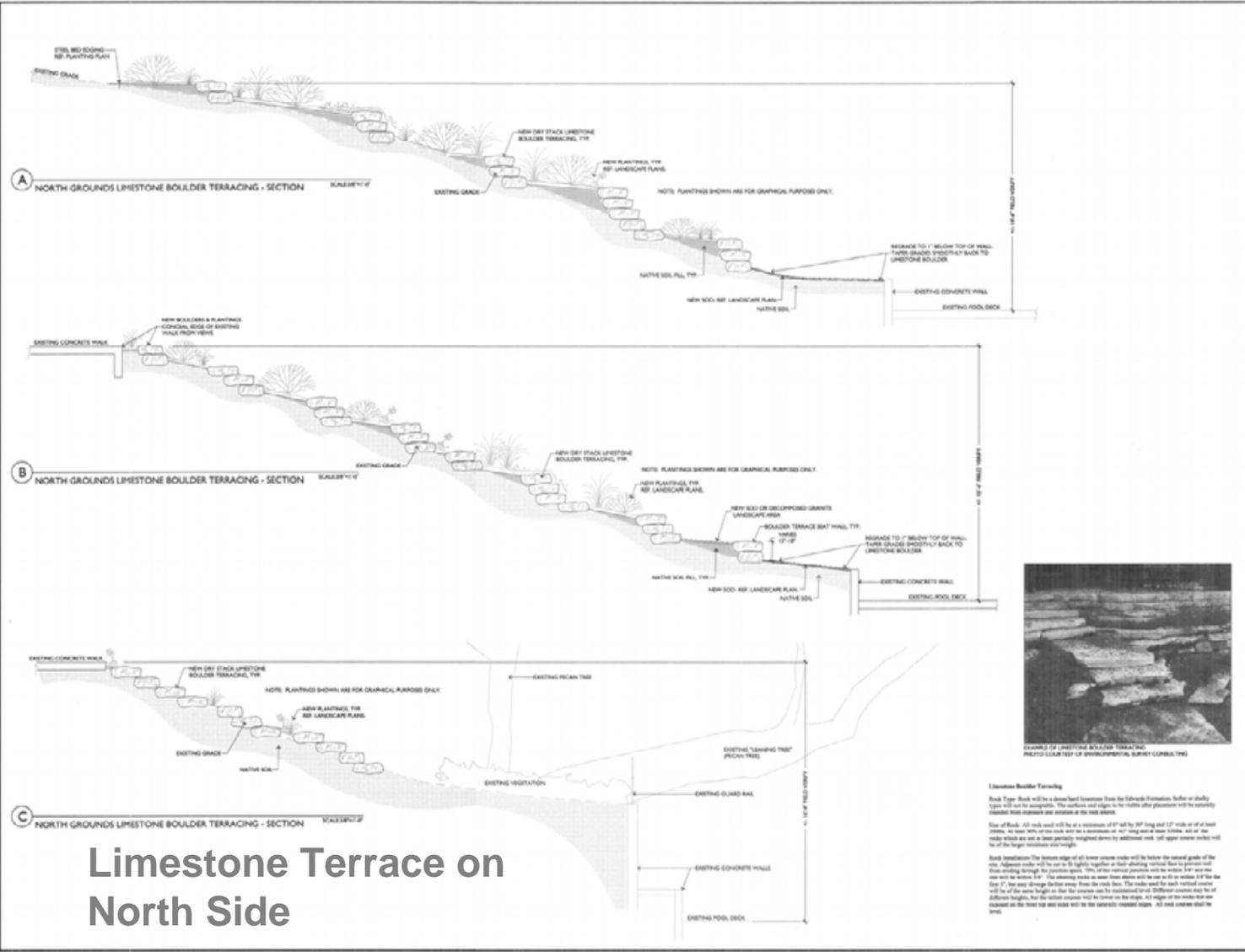
DATE: April 2, 2011

PROJECT TITLE

CONSTRUCTION DETAILS



General Grounds Landscape Improvements



Limestone Terrace on North Side



Limestone Boulder Terracing
 Rock Type: Rock will be a stone/bed limestone from the Edwards Formation. Softer or shaly types will not be acceptable. The surface and edges to be visible after placement will be weathered faces exposed and visible at the rock abutment.
 Size of Rock: All rock used will be a minimum of 12" tall by 20" long and 12" wide or at least 100 lbs. At least 90% of the rock will be a minimum of 40" long and at least 100 lbs. All of the rocks which are not at least partially weathered down to additional rock will appear where needed will be of the larger maximum size weight.
 Rock Installation: The bottom edge of all lower course rocks will be below the natural grade of the site. Adjacent rocks will be set in 3" tight together or their abutting vertical face to prevent soil from sliding through the pointing space. 70% of the vertical pointing will be visible. 1/4" and no more will be visible. 1/2" for the abutting rocks as seen from above will be used as the visible 1/4" for the slope 1/2" that runs down the face away from the rock face. The rocks used for each vertical course will be of the same height so that the courses can be installed from the bottom up. Different courses may be of different heights, but the vertical courses will be same on the slope. All edges of the rocks that are exposed on the face top and sides will be the naturally rounded edges. All rock courses shall be level.

LANDSCAPE ARCHITECTURE
 LARSON BURNS SMITH
 1508 West Ave.
 Austin, Texas 78701
 Phone: 512.476.1000
 Fax: 512.476.1001

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SHEET #17 OF 18

PROJECT NAME & LOCATION
 BARTON SPRINGS POOL
 GENERAL GROUNDS IMPROVEMENTS
 2101 BARTON SPRINGS ROAD
 AUSTIN, TEXAS 78704

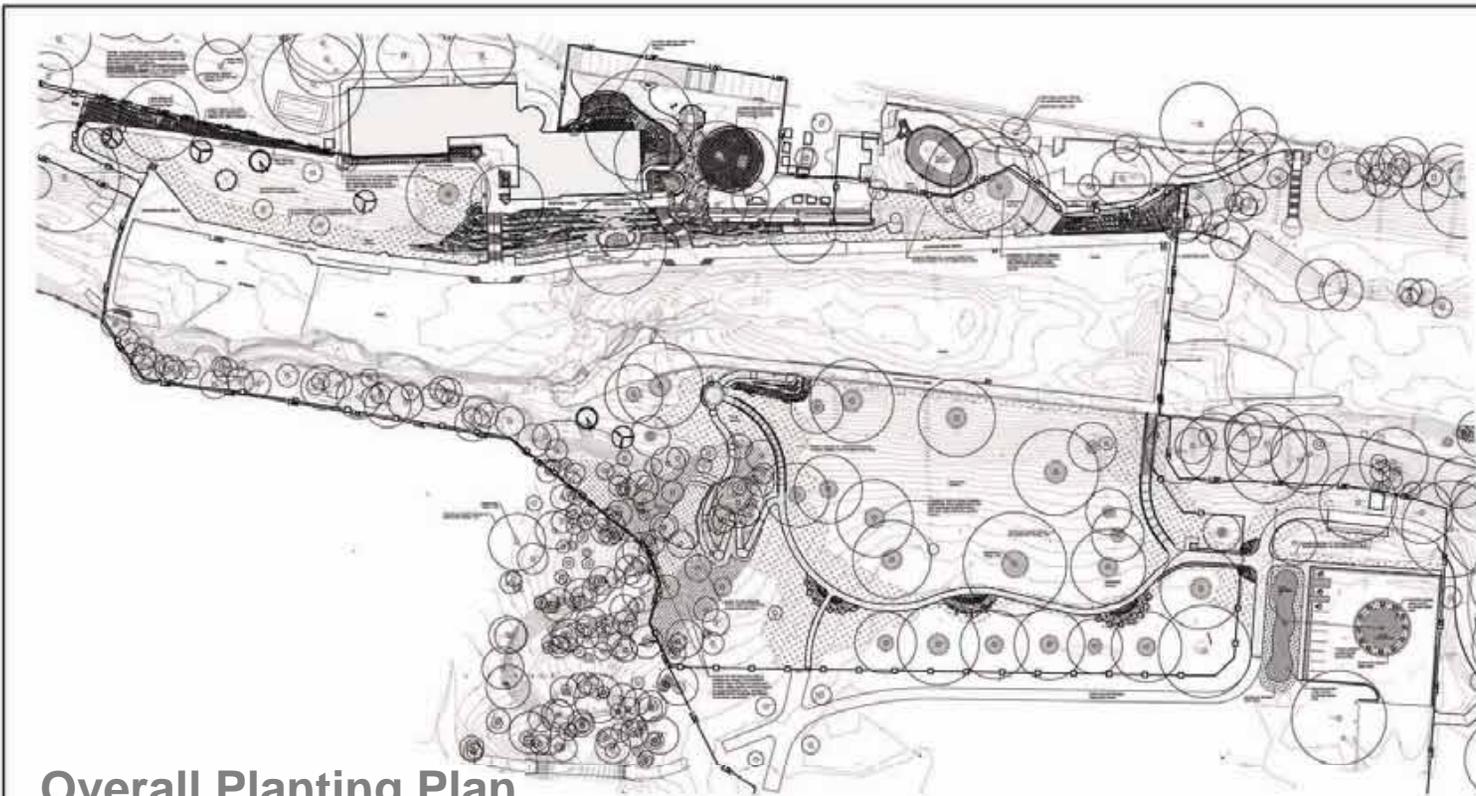
CITY OF AUSTIN
 PARKS & RECREATION
 DEPARTMENT
 919 WEST 28th ST.
 AUSTIN, TEXAS 78705

PROJECT NO.:
 DRAWN BY: BC
 REVIEWED BY: BL
 DATE: August 3, 2011

CONSTRUCTION DETAILS

C&T

General Grounds Landscape Improvements



Overall Planting Plan

Plant Legend

LARSON BURNS SMITH
ARCHITECTS, ENGINEERS, PLANNERS
1100 WEST 28TH STREET, SUITE 100
AUSTIN, TEXAS 78705
TEL: 512.476.1111

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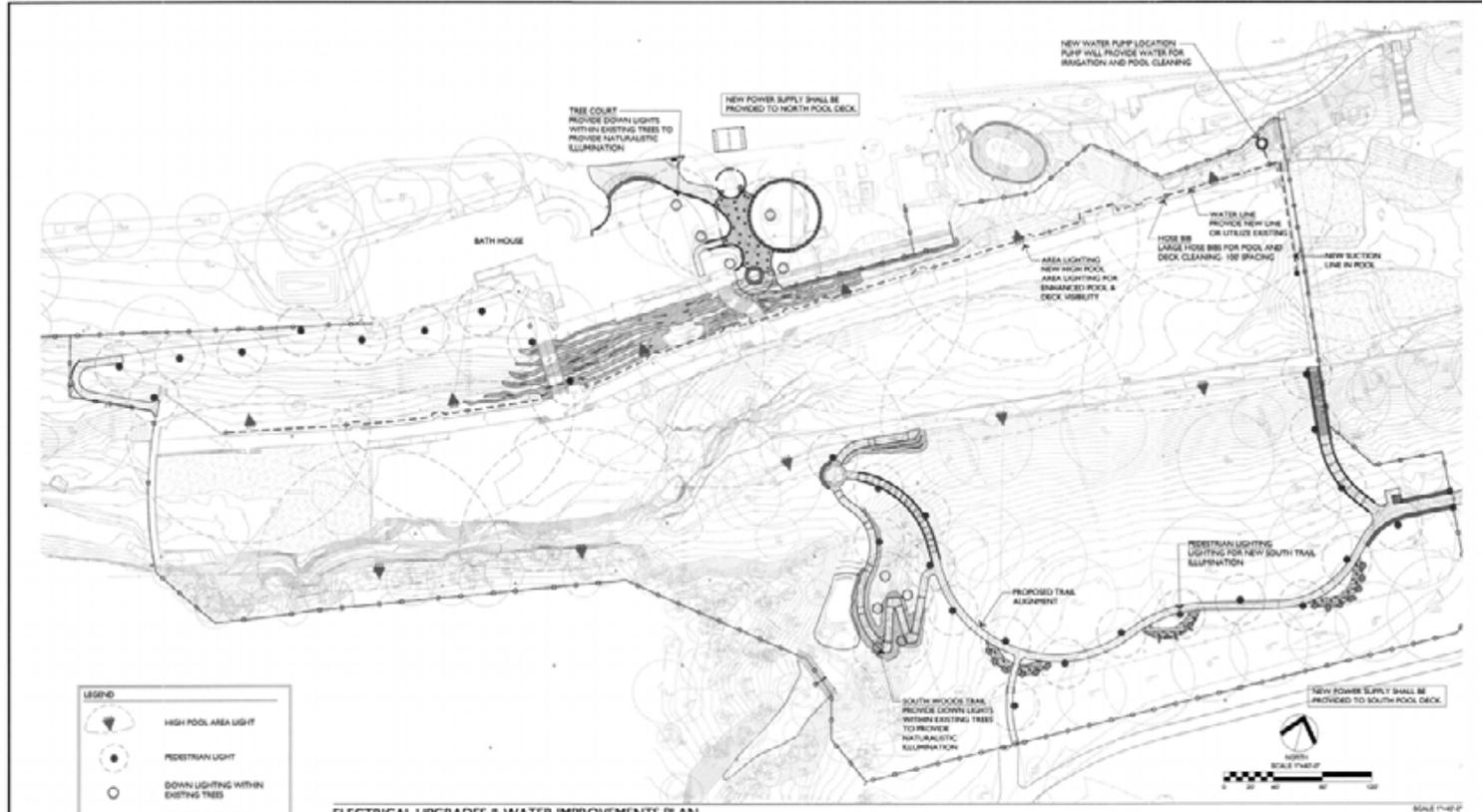
PROJECT NAME & ADDRESS
BARTON SPRINGS POOL GENERAL GROUNDS IMPROVEMENTS
1101 BARTON SPRINGS ROAD
AUSTIN, TEXAS 78704

CITY OF AUSTIN
PARKS & RECREATION DEPARTMENT
919 WEST 28TH ST.
AUSTIN, TEXAS 78705

PROJECT NO.:
DRAWN BY: JEC
CHECKED BY: BS
DATE: 10/24/13 (M)

OVERALL LANDSCAPE PLAN

General Grounds Landscape Improvements



ELECTRICAL UPGRADES & WATER IMPROVEMENTS PLAN

PROFESSIONAL SEAL
LARSON BURNS SMITH
REGISTERED PROFESSIONAL ENGINEER
NO. 10000
STATE OF TEXAS
EXPIRES 12/31/14

PROFESSIONAL TITLE
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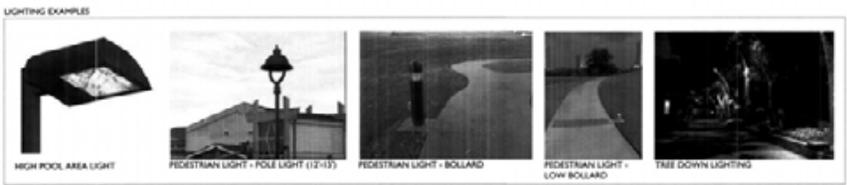
SHEET KEY MAP

PROJECT NAME & LOCATION
BARTON SPRINGS POOL
GENERAL GROUNDS IMPROVEMENTS
1151 BARTON SPRINGS ROAD
AUSTIN, TEXAS 78704

CITY OF AUSTIN
PARKS & RECREATION
DEPARTMENT
919 WEST 28th ST.
AUSTIN, TEXAS 78705

PROJECT NO.
DRAWN BY: JC
REVIEWED BY: ML
DATE: August 1, 2011

SHEET TITLE
ELECTRICAL UPGRADES & WATER IMPROVEMENTS



ELECTRICAL UPGRADES & WATER IMPROVEMENTS PLAN
NEW PARKING AREA

Electrical & Water Improvements

Barton Spring Pool South Drainage

RAIN EVENT SPRING 2011



FROM THE
SOUTH GROUNDS



THROUGH
THE ENTRANCE



DOWN THE SLOPE



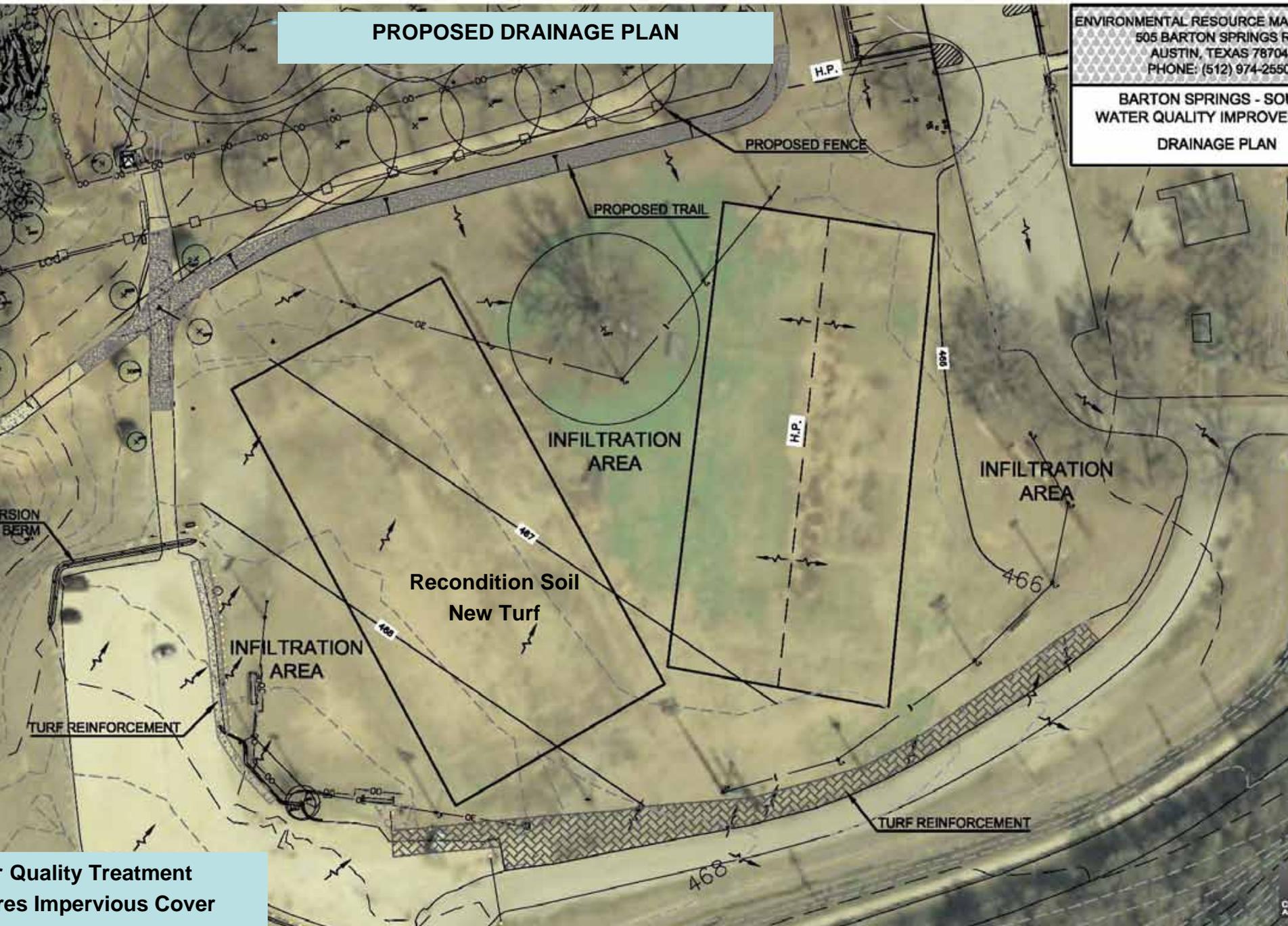
INTO THE POOL



PROPOSED DRAINAGE PLAN

ENVIRONMENTAL RESOURCE MA
505 BARTON SPRINGS R
AUSTIN, TEXAS 78704
PHONE: (512) 974-2550

BARTON SPRINGS - SO
WATER QUALITY IMPROVE
DRAINAGE PLAN



Water Quality Treatment
Reduces Impervious Cover

Barton Spring Pool South Drainage Proposed Trail Typical Section

