



II. B.

690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

March 5, 2010

Architectural Review Board
City of Chesterfield
690 Chesterfield Parkway West
Chesterfield, MO 63017

Re: Mark Andy Industrial Park (Lot B) -An Amended Site Development Section Plan, Landscape Plan, Architectural Elevations and Architect's Statement of Design for a 12.75 acre tract of land zoned "PI" Planned Industrial District located on the north side of Chesterfield Airport Road, one half mile west of the corner of Long Road and Chesterfield Airport Road.

Board Members:

Shamus Bair has submitted on behalf of Mark Andy Inc. an Amended Site Development Section Plan, Landscape Plan, Architectural Elevations and Architect's Statement of Design for the above referenced project. The Department of Planning and Public Works has reviewed this request and submits the following report.

Submittal Information

The request is for an approximately 7,600 square foot outdoor building equipment storage area on the south side of an existing manufacturing building zoned "PI" Planned Industrial District under the terms and conditions of City of Chesterfield Ordinance Number 2437. The outdoor building equipment is proposed to be screened by an approximately nine (9) foot tall free-standing trellis fence planted with evergreen and deciduous climbing plants and low level shrubs. The free-standing trellis fence is a two panel, three dimensional modular structure, with a green powder coated finish. A detailed Landscape Plan has been provided by the petitioner identifying the type of plants to be used in order to provide a sufficient level of screening throughout the year. In addition, the maintenance requirements of the plants have also been included on the Landscape Plan in order to maintain a high level of screening without an overgrown appearance. Please see the attached checklist to review the project's compliance with the City of Chesterfield's Design Guidelines.

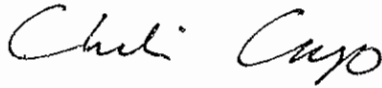
Departmental Input

Green screening methods were submitted for review by the Architectural Review Board on October 15, 2009. Several items were identified by The Board as necessary for any green screening proposal to address. The petitioner has addressed these items in the current proposal. The submittal was reviewed for compliance with the City of Chesterfield's Design Guidelines. In addition, the plan was reviewed for compliance with City of Chesterfield Ordinance 2437, which governs the site.

Actions Requested

The Department of Planning and Public Works requests action by the Architectural Review Board on the information presented.

Respectfully Submitted,



Charlie Campo
Project Planner

Respectfully Submitted,



Mara M. Perry, AICP
Senior Planner

Attachments

1. ARB Design Review Checklist
2. Architectural Review Packet Submittal

ARCHITECTURAL REVIEW BOARD

Project Name: Mark Andy Industrial Park,
(Lot B)

Date of Review: Mar 5, 2010

Guidelines Review Checklist

Guideline Description	Addressed as Written	Addressed with Modification (1)	Comments and Reference (2)
Applicability and Compliance			
General Requirements for Site Design			
A. Site Relationships	N/A		
B. Circulation System and Access	X		
C. Topography	X		
D. Retaining Walls	N/A		
General Requirements for Building Design			
A. Scale	X		
B. Design	X		
C. Materials and Color	X		
D. Landscape Design and Screening		X	Petitioner has proposed a wire trellis screen to be completely covered with evergreen and deciduous, climbing plants
E. Signage	NA		Signage is not submitted for approval at this time.
F. Lighting	NA		No additional lighting is proposed.
Use Type:			
Access	X		
Exterior Elements	NA		
Landscaping and Screening	NA		
Scale	NA		
Site Design	X		

Notes:

(1) A check in this column refers to the item being addressed in the submission, but with potential variation from the guidelines that review by the Board is specifically requested.

(2) *Comments* provide additional information regarding the status of specific design guidelines.

Form revised: February 2009



ARCHITECTURAL REVIEW BOARD
Project Statistics and Checklist

Date of First Comment Letter Received from the City of Chesterfield 08/2009

Project Title: Mark Andy Greenscreen Location: Chesterfield, MO

Developer: N/A Architect: Shamus Bair Engineer: N/A

PROJECT STATISTICS:

Size of site (in acres): N/A Total Square Footage: N/A Building Height: N/A

Proposed Usage: N/A

Exterior Building Materials: N/A

Roof Material & Design: N/A

Screening Material & Design: Pre-manufactured Recycled Metal Panel System

Description of art or architecturally significant features (if any): Building a living screen wall to enclose required exterior mechanical equipment on the south face of existing building.

ADDITIONAL PROJECT INFORMATION:

Checklist: Items to be provided in an 11" x 17" format

- Color Site Plan with contours, site location map, and identification of adjacent uses.
- Color elevations for all building faces.
- Color rendering or model reflecting proposed topography.
- Photos reflecting all views of adjacent uses and sites.
- Details of screening, retaining walls, etc.
- Section plans highlighting any building off-sets, etc. (as applicable)
- Architect's Statement of Design which clearly identifies how each section in the Guidelines has been addressed and the intent of the project.
- Landscape Plan.
- Lighting cut sheets for any proposed building lighting fixtures. (as applicable)
- Large exterior material samples. (to be brought to the ARB meeting)
- Any other exhibits which would aid understanding of the design proposal. (as applicable)
- Pdf files of each document required.



ARCHITECTURAL REVIEW BOARD GUIDELINES Architect's Narrative Statement

1. Applicability & Compliance:

The terms of The City of Chesterfield's "Architectural Review Board Guidelines" that apply to this project are understood and therefore respectfully answered.

2. Requirements & Procedure:

All *Submittal Requirements* have been understood and included.

3. General Requirements for Site Design:

a. Site Relationships.

N/A

b. Circulation System & Access.

There will be no *Bicycle Circulation* in the proposed area. There will be minimal pedestrian Circulation in the proposed area. There will be minimal *Vehicular Circulation* in the proposed area for mechanical equipment movement only. There will be no *Parking* in the proposed area. The access point *Orientation* will be through an existing loading dock of the building @ the east of the site, hidden from view of Chesterfield Airport Road.

c. Topography.

There is an existing grass covered mound on the south face of the building (facing Chesterfield Airport Road) that will be minimally manipulated to allow for the installation of the proposed screen. Regrading will occur if necessary. One tree is proposed to be removed to allow for the installation of the proposed screen. (Side note: A species and root study will be done to determine the possibility of relocating the tree in question.)

d. Retaining Wall.

N/A

4. General Requirements for Building Design:

a. Scale.

Proposed screen will minimize/eliminate visibility of required mechanical equipment needed. Proposed screen will also provide an interesting visible element to an otherwise long blank gray wall of existing building.

b. Design.

The proposed screen is attached through specified anchors into the existing building. It is off the face of the building approximately 40 feet to allow for an organized circulation pattern for equipment and foot traffic. All this activity will take place behind the proposed screen, shielded completely from Chesterfield Airport Road.

c. Materials & Colors.

The proposed screen uses panels that are standard in dimensions and are powder coated for protection against the elements. There are a selection of powder coating colors to hide the metal of the screening material. The proposed screen is a designed panel system that allows for living ivy to intertwine in and up the panel wall and to maintain itself as it provides full coverage.



ARCHITECTURAL REVIEW BOARD GUIDELINES Architect's Narrative Statement

d. Landscape Design & Screening.

The proposed screen has ivy that will be the only element visible once full coverage is achieved. The biggest question about the proposed screen is coverage. To ensure complete coverage and to hide all equipment and building facade behind, there has been special consideration in plant type and placement to ensure the coverage will fill in after a handful of months. (See Plant Schedule on drawing sheets) In addition getting the plants for the proposed screen in the ground as soon as possible to take advantage of a full growth season, is ideal.

e. Signage.

N/A

f. Lightening,

N/A

Commercial & Industrial Architecture:

All elements in this section have been addressed in the above guideline items.

5. Specific Requirements for the Chesterfield Valley:

a. Facade.

The proposed screen will shield all required mechanical equipment and additional activity. The ivy covered wall will add an interesting architectural landscape element to the long existing elevation of the building facing Chesterfield Airport Road.

b. Pedestrian Circulation.

All circulation will occur behind the proposed screen and through the existing loading dock of the building. There will be a single circulation lane for the installation and removal of this equipment as necessary. This access point is on the east side of the site and will not be visible from Chesterfield Airport Road.

c. Storage.

There will be no storage of any kind behind the screen. The only equipment will be the required mechanical equipment to assist internal manufacturing operations.

d. Utilities.

As applicable all utilities will be located underground.

e. Parking.

N/A

f. Miscellaneous.

Per requirements, all samples and additional information on the proposed screen will be available at the Architectural Review Board Meeting.

MARK ANDY GREEN ENCLOSURE



LOCATION MAP



Ken Amsler
ARCHITECT OF RECORD

21401383

Shamus McTighe Bair
2416 SOUTH 12TH STREET UNIT B
ST. LOUIS, MO 63104
tolshamus@gmail.com

314-96-3757

NO.	DATE	REVISIONS

PROJECT SCOPE
TO ENCLOSE A SERIES OF EXTERIOR MECHANICAL EQUIPMENT WITH A FREE STANDING GREEN SCREENING SYSTEM.

SHEET INDEX

CS - COVER SHEET, INDEX, CODE INFORMATION
ARCHITECTURAL

A1 - SITE PLAN
A2 - FLOOR PLAN / ELEVATIONS / DETAILS

GENERAL NOTE

CODE INFORMATION

PROJECT DIRECTORY

OWNER:
MARK ANDY INC.
718081 CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MO 63005-1119
PHONE: 636-681-9014
FAX: 636-519-3524
CONTACT: BILL THOMPSON

ARCHITECT: (not of record)
SHAMUS MCTIGHE BAIR
2416 SOUTH 12TH STREET UNIT B
ST. LOUIS, MO 63104
PHONE: 314-496-3757
FAX: N/A
CONTACT: SHAMUS BAIR



MARK ANDY INC.
718081 CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MO 63005-1119

JOB NO.	MA-001
DRAWN BY	SHB
REVIEWED BY	EA
DATE	03.11.2010
SHEET NO.	CS

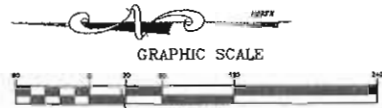
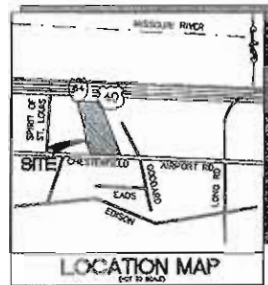
MARK ANDY, INC.

"PLANNED INDUSTRIAL" DISTRICT

A TRACT OF LAND BEING LOCATED IN
U.S. SURVEYS 122 AND 150, TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

PERTINENT DATA

SITE ACREAGE	= 23.0 ACRES
CURRENT ZONING	= "PI" PLANNED INDUSTRIAL DISTRICT UNDER ORDINANCE 2437
FIRE DISTRICT	= MONARCH FIRE
SCHOOL DISTRICT	= ROCKWOOD
WATERSHED AREA	= METROPOLITAN ST. LOUIS SEWER DIST.
WATER SERVICE	= MISSOURI RIVER
GAS SERVICE	= MISSOURI AMERICAN WATER CO
ELECTRIC SERVICE	= AMERENUE
PHONE SERVICE	= AT&T
LOCATOR NUMBER	= 17451-0016
OWNER	= MARK ANDY, INC. DB. 7200, PG. 850



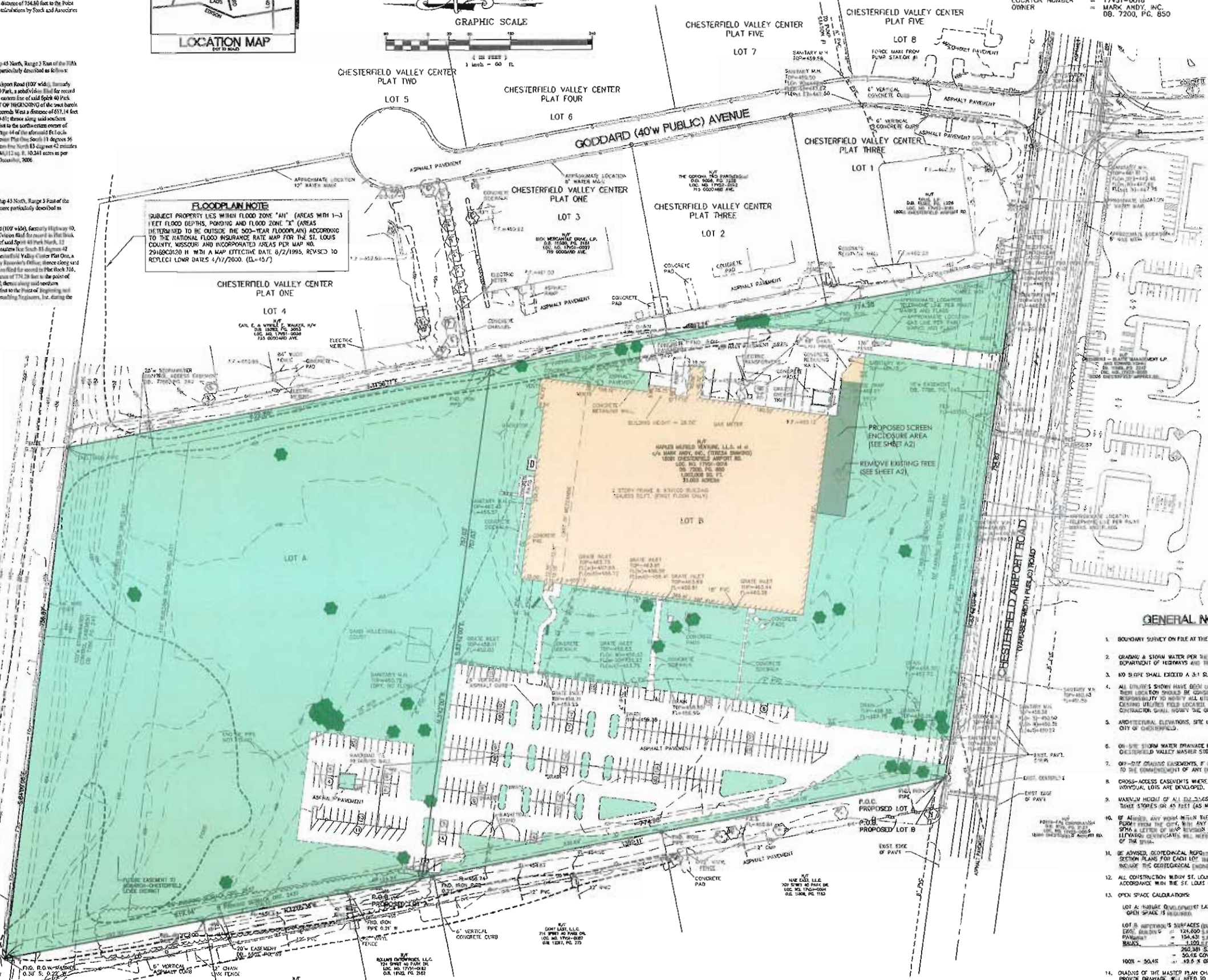
Property Description Proposed Lot A
A tract of land being part of U.S. Survey 122 and U.S. Survey 150 in Township 45 North, Range 3 East of the 5th Principal Meridian, City of Chesterfield, St. Louis County, Missouri, and being more particularly described as follows:

COMMENTARY as a point on the northern right-of-way line of Chesterfield Airport Road (100' wide, formerly Highway 40), said point being the point of intersection with the eastern line of Split 40 Park, a subdivision filed for record in Plat Book 234, Page 79 of the St. Louis County Recorder's Office, thence along the eastern line of said Split 40 Park North, 12 degrees 09 minutes 35 seconds West, a distance of 197.11 feet to the point of intersection with the western right-of-way line of Missouri State Highway 40-41, thence along said western right-of-way line North 84 degrees 09 minutes 00 seconds East, a distance of 756.87 feet to the north-south corner of Chesterfield Valley Center Plat One, a subdivision filed for record in Plat Book 241, Page 44 of the St. Louis County Recorder's Office, thence along the western line of said Chesterfield Valley Center Plat One and Chesterfield Valley Center Plat Three, a subdivision filed for record in Plat Book 316, Page 36 of said recorder's office, South 11 degrees 56 minutes 11 seconds East, a distance of 1397.14 feet to the point of intersection with the adjacent northern right-of-way line of Chesterfield Airport Road, thence along said northern right-of-way line North 83 degrees 42 minutes 00 seconds West, a distance of 754.80 feet to the Point of Beginning and containing 1,012,046 square feet or 23.000 acres more or less as per calculations by Slack and Associates Consulting Engineers, Inc. during the month of February, 2001.

Property Description Proposed Lot B
A tract of land being part of U.S. Survey 122 and U.S. Survey 150 in Township 45 North, Range 3 East of the 5th Principal Meridian, City of Chesterfield, St. Louis County, Missouri, and being more particularly described as follows:

COMMENTARY as a point on the northern right-of-way line of Chesterfield Airport Road (100' wide, formerly Highway 40), said point being the point of intersection with the eastern line of Split 40 Park, a subdivision filed for record in Plat Book 234, Page 79 of the St. Louis County Recorder's Office, thence along the eastern line of said Split 40 Park North, 12 degrees 09 minutes 35 seconds West, a distance of 774.00 feet to the POINT OF BEGINNING of the two parcels described, thence north-south along said eastern line North 12 degrees 09 minutes 35 seconds West a distance of 617.14 feet to the point of intersection with the western right-of-way line of Missouri State Highway 40-41, thence along said western right-of-way line South 84 degrees 09 minutes 00 seconds East, a distance of 196.87 feet to the north-south corner of Chesterfield Valley Center Plat One, a subdivision filed for record in Plat Book 241, Page 44 of the St. Louis County Recorder's Office, thence along the western line of said Chesterfield Valley Center Plat One, South 11 degrees 56 minutes 11 seconds East, a distance of 622.86 feet to a point, thence bearing said western line North 83 degrees 42 minutes 00 seconds West, a distance of 757.80 feet to the Point of Beginning and containing 444,112 sq. ft. 10.341 acres as per calculations by Slack and Associates Consulting Engineers, Inc. during the month of February, 2001.

FLOODPLAIN NOTE
SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "A1" (AREAS WITH 1-3 FEET FLOOD DEPTHS, POONDING AND FLOOD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 300-YEAR FLOODPLAIN) ACCORDING TO THE NATIONAL FLOOD INSURANCE RATE MAP FOR THE ST. LOUIS COUNTY, MISSOURI, AND INCORPORATED AREAS PER MAP NO. 29160C0210 H WITH A MAP EFFECTIVE DATE 6/2/1995, REVISED TO REFLECT LMR DATES 4/1/2000. (L1-457)



LEGEND

EXISTING SANITARY SEWER	EXISTING STORM SEWER
EXISTING TREE	EXISTING CONTOUR
EXISTING ELEVATION	EXISTING UTILITIES
EXISTING 1/2" IRON PIPE	NEW 1/2" IRON PIPE
EXISTING CONCRETE	NEW CONCRETE
EXISTING ASPHALT	NEW ASPHALT
EXISTING LIGHT STANDARDS	NEW LIGHT STANDARDS
EXISTING SIGN	NEW SIGN
EXISTING DRIVEWAYS	NEW DRIVEWAYS
EXISTING POWER POLE	NEW POWER POLE
EXISTING WATER VALVE	NEW WATER VALVE
EXISTING RECORD INFORMATION	NEW RECORD INFORMATION
EXISTING PARKING	NEW PARKING

ABBREVIATIONS

C.O.	= CLEARING
D.R.	= EXISTING DRAINAGE
E.	= ELECTRIC
F.	= FLOWLINE
F.T.	= FENCE
F.O.D.	= FOUNDATION
G.	= GAS
M.H.	= MANHOLE
N.P.	= NON-DEPRESSIBLE
P.B.	= PLAT BOOK
P.C.	= PAVED
P.V.C.	= POLYVINYL CHLORIDE PIPE
R.C.P.	= REINFORCED CONCRETE PIPE
S.O.	= SQUARE
T.	= TELEPHONE CABLE
V.C.P.	= VENTRIED CLAY PIPE
W.	= WATER
(D.W.)	= RIGHT-OF-WAY WIDTH

GENERAL NOTES (THIS SHEET ONLY)

- BOUNDARY SURVEY ON FILE AT THE CITY OF CHESTERFIELD.
- GRADING & STORM WATER PER THE CITY OF CHESTERFIELD AND THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC.
- NO SLOPE SHALL EXCEED A 3:1 SLOPE, EXCLUDING LANDSCAPING SLOPES.
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE VERIFIED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO VERIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION. TO HAVE CONTRACTOR FIELD LOCATIONS SHOWN ANY CONTRACTOR BE EMPLOYED. THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE ENGINEER IMMEDIATELY.
- ARCHITECTURAL ELEVATIONS, SITE LANDSCAPING PLANS SHALL BE SUBMITTED TO THE CITY OF CHESTERFIELD.
- ON-SITE STORM WATER MANAGEMENT REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CHESTERFIELD VALLEY MASTER STRATEGIC GRADING PLAN.
- ON-SITE GRADING ELEMENTS, IF REQUIRED, SHALL BE EXECUTED AND RECORDED PRIOR TO THE INSTALLMENT OF ANY ON-SITE BUILDINGS.
- CROSS-ACCESS ELEMENTS WHERE REQUIRED, SHALL BE EXECUTED AND RECORDED AS INDIVIDUAL LOTS ARE DEVELOPED.
- MAXIMUM HEIGHT OF ALL BUILDINGS, EXCEPT ROOF SCULPTURE SHALL NOT EXCEED THREE STORES OR 45 FEET (AS MEASURED FROM FINISH) GRADE.
- IF ADVISED, ANY WORK WITHIN THE SPHA WILL REQUIRE A FLOODPLAIN DEVELOPMENT PERMIT FROM THE CITY. WITH ANY SUBSTANTIAL CHANGES TO THE LOCATION OF THE SPHA A LETTER OF MAP REVISION WILL NEED TO BE OBTAINED FROM FEMA. ALSO, CLEARANCE CERTIFICATES WILL NEED TO BE FILED FOR ANY STRUCTURE WITHIN 200 FEET OF THE SPHA.
- BE ADVISED, GEOTECHNICAL REPORTS WILL BE REQUIRED TO BE SUBMITTED WITH THE SECTION PLANS FOR EACH LOT. THE SITE DEVELOPMENT GRADING PLANS WILL NEED TO INCLUDE THE GEOTECHNICAL ENGINEER'S CERTIFICATION.
- ALL CONSTRUCTION WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ST. LOUIS COUNTY STANDARD SPECIFICATIONS.
- OPEN SPACE CALCULATIONS:
LOT A: MINIMUM DEVELOPMENT LAYOUT IS UNKNOWN AT THIS TIME. A MINIMUM OF 30% OPEN SPACE IS REQUIRED.
LOT B: MINIMUM SURFACES (BUILDINGS, PAVEMENT, WALKS)
SPHA: 124,600 S.F.
PAVEMENT: 154,437 S.F.
TOTAL: 279,037 S.F.
REQUIRE: 260,381 S.F. / 928,690 S.F. LOT B = 100%
100% - 50.4% = 49.6% OPEN SPACE PROVIDED = 30% REQUIRED = OK
- GRADING OF THE MASTER PLAN CHANNEL, INCLUDING THE DOWNSTREAM SECTION TO PROVIDE DRAINAGE, WILL NEED TO BE COMPLETED PRIOR TO ANY PAVING OR CONSTRUCTION ON THE SITE.
- ANY WORK WITHIN THE SPHA WILL REQUIRE A FLOODPLAIN DEVELOPMENT PERMIT FROM THE CITY. WITH ANY SUBSTANTIAL CHANGES TO THE LOCATION OF THE SPHA A LETTER OF MAP REVISION WILL NEED TO BE OBTAINED FROM FEMA. ALSO, CLEARANCE CERTIFICATES WILL NEED TO BE FILED FOR ANY STRUCTURE WITHIN 200 FEET OF THE SPHA.
- GEOTECHNICAL REPORTS WILL BE REQUIRED TO BE SUBMITTED WITH THE SECTION PLANS FOR EACH LOT. THE SITE DEVELOPMENT GRADING PLANS WILL NEED TO INCLUDE THE GEOTECHNICAL ENGINEER'S CERTIFICATION.

PREPARED FOR:
MARK ANDY, INC.
18081 CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MISSOURI 63005
PHONE: (636) 532-4433
FAX: (636) 519-3502

ST. LOUIS COUNTY BENCHMARK
11+00.00 ELEV=461.60 (U.S.S. - HIGH 1929 DATUM) 1/4" ON BACK OF BENCHMARK CURB; 100' SOUTH OF THE CENTERLINE OF CHESTERFIELD AIRPORT ROAD AND 15' WEST OF THE CENTERLINE OF GODDARD AVENUE.

Ken Amisler
ARCHITECT OF RECORD

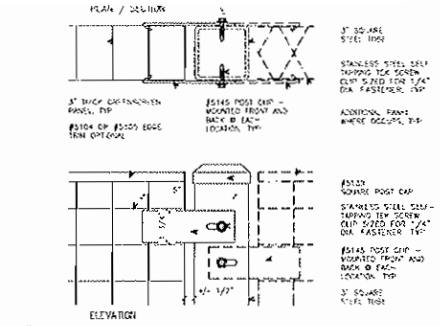
Shamus McTighe Bair
2416 SOUTH 12TH STREET UNIT B
ST. LOUIS, MO 63104
shamusm@gmail.com

REVISIONS:

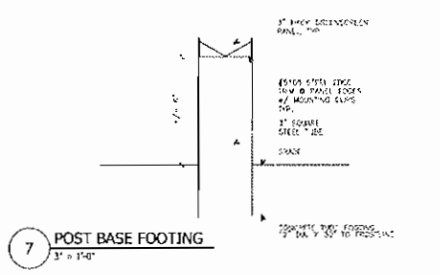
NO.	DATE	DESCRIPTION
001	03/11/2010	ISSUED FOR PERMIT

MARK ANDY INC.
718081 CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MO 63005-1119
4652-4433

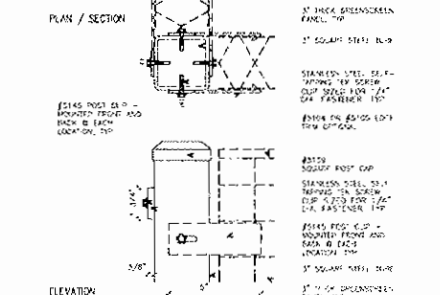
JOB NO. MA-001
DRAWN BY: SWS
REVIEWED BY: LA
DATE: 03.11.2010
SHEET NO. A1



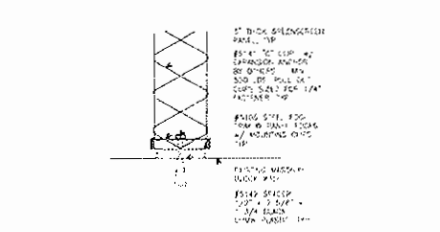
6 #5145 POST CLIP (TYP.)
3" x 1/4"



7 POST BASE FOOTING
3" x 1/4"



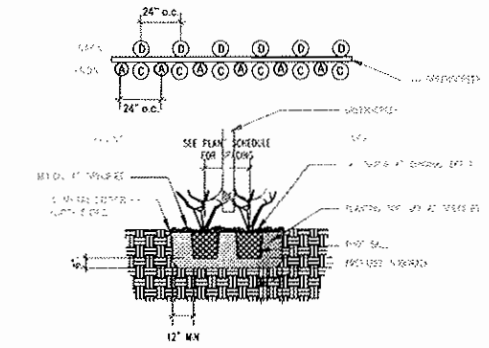
8 #5145 (SIM.) POST CLIP CORNER POST
3" x 1/4"



9 #5142 'C' CLIP WALL MOUNTED
3" x 1/4"

LANDSCAPE SCHEDULE:

E PANEL TYPICAL: (16x 12'-0" PANELS + 2x 8'-0" PANELS)

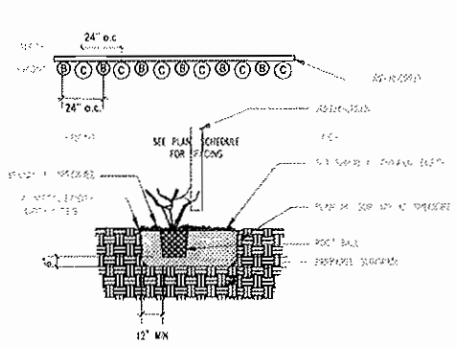


10 SHRUB PLANTING EVERGREEN PANEL
nts

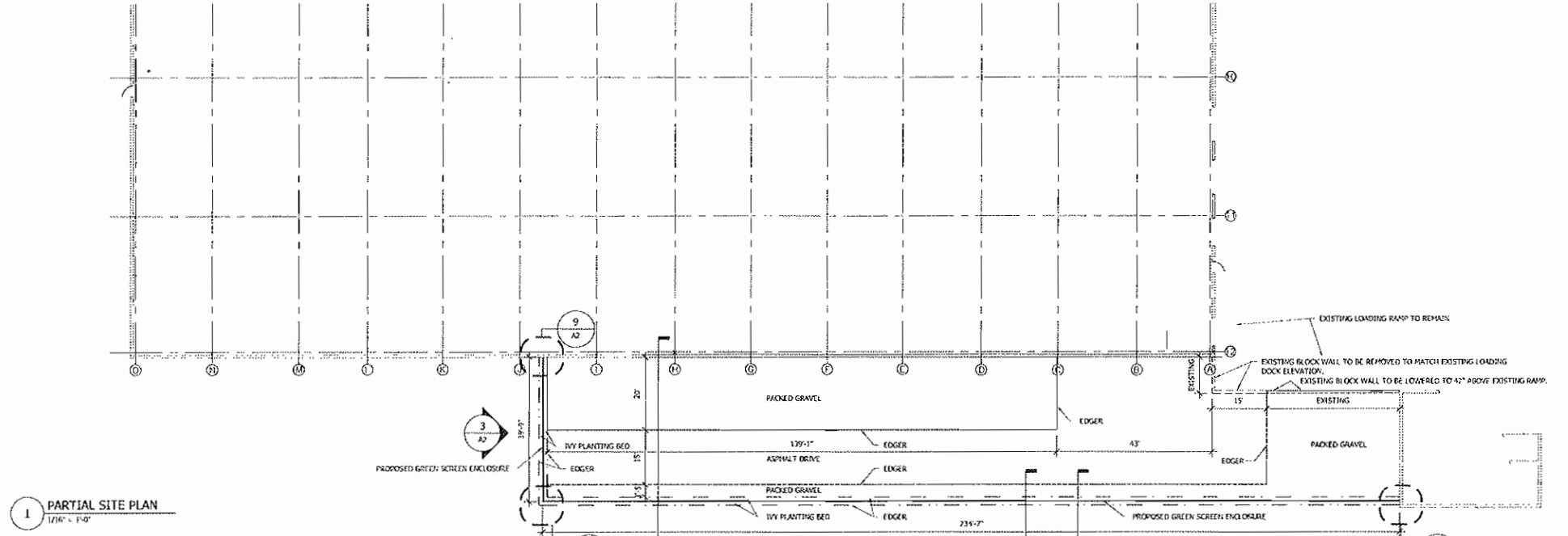
SYM	QTY	BOTANICAL NAME	CULTIVAR	COMMON NAME	SIZE	METHOD	SPACING	DETAIL	COMMENTS
EVERGREEN									
A	68	Hedera Helix	N/A	English Ivy	1 Gal.	Cont.	24" O.C.	10/A2	FULL DENSE, MATCHED SPECIMEN SHAPE
DECIDUOUS									
B	66	Clematis terniflora (Flowering)	N/A	Sweet Autumn Clematis (Ivy)	1 Gal.	Cont.	24" O.C.	11/A2	FULL DENSE, MATCHED SPECIMEN SHAPE
C	134	Liriope Muscortii (Ground Straps)	N/A	Lilyturf	1 Gal.	Cont.	24" O.C.	11/A2	FULL DENSE, MATCHED SPECIMEN SHAPE
ANNUAL (FIRST 4 YEARS ONLY)									
D	68	Mandavilla	N/A	Mandavilla	1 Gal.	Cont.	24" O.C.	10/A2	FULL DENSE, MATCHED SPECIMEN SHAPE

12 PLANT SCHEDULE
nts

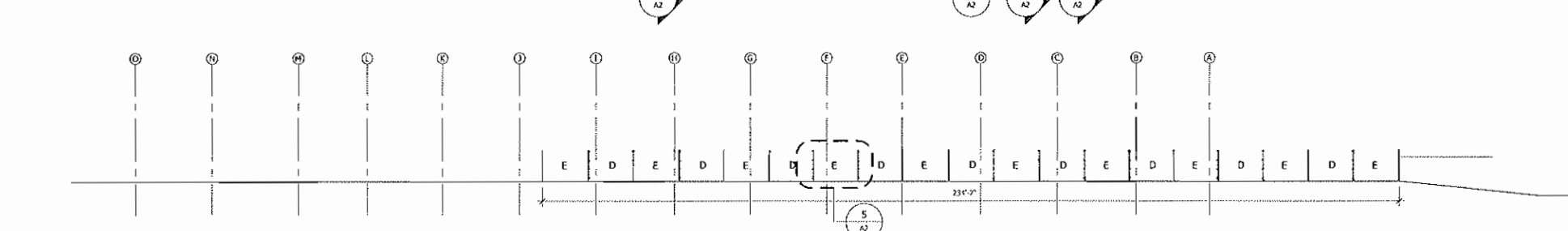
D PANEL TYPICAL: (9x 12'-0" PANELS + 3x 8'-0" PANELS)



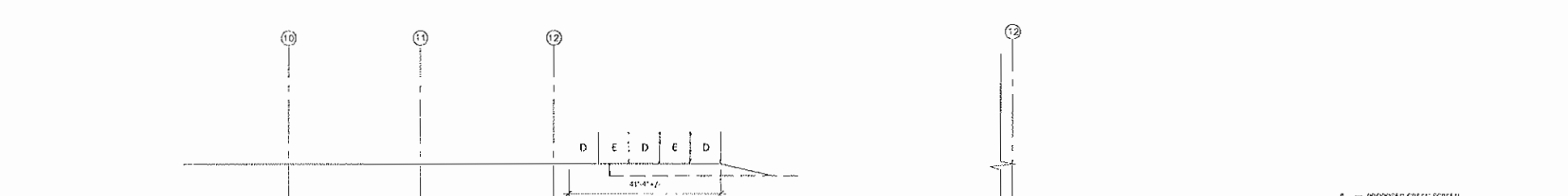
11 SHRUB PLANTING DECIDUOUS PANEL
nts



1 PARTIAL SITE PLAN
1/16" = 1'-0"



2 SOUTH ELEVATION
1/16" = 1'-0"



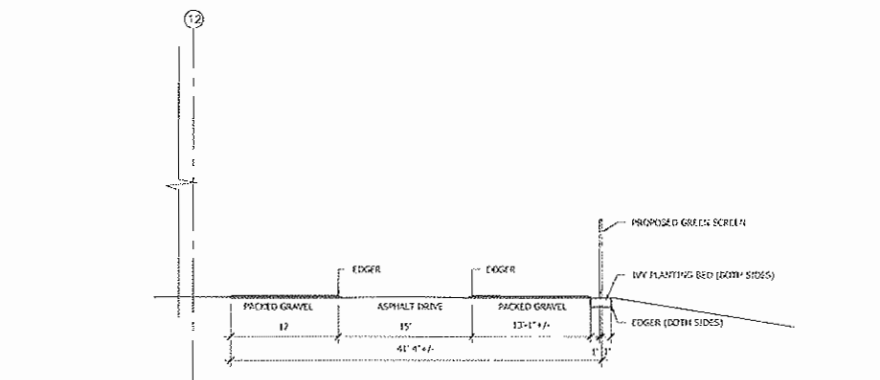
3 WEST ELEVATION
1/16" = 1'-0"

Maintenance Plan:
English Ivy: The Missouri Botanical Gardens agrees one of the best evergreen vines for GREENSCREEN applications is the English Ivy. They don't have a better alternative. They said to keep in mind the age old saying.... The first year the vine sleeps... the second year it creeps.... the third year it LEAPS! To encourage a little bit faster growth rate we will make sure the soil is good, install a 1 gallon plant or larger and tie or train the vine on the trellis and continue training the vine until a woody base is established. The vines will be checked twice a year to make sure they are climbing the GREENSCREEN.

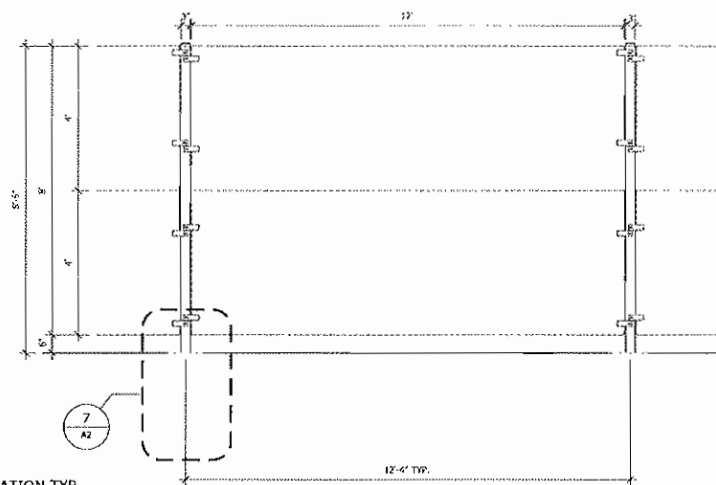
Clematis: The Clematis will have a faster growth rate, initially. The Clematis is a deciduous vine that will die back in the winter. The Clematis will need to be pruned once a year to keep the vine from only growing thick at the top of the vine. This will encourage a more uniform coverage. The pruning shall be done in early spring. This will also allow the fluffy dormant parts of the deciduous vine to provide coverage in the winter.

Liriope: Ground Perennial to cover the bottom of the GREEN-SCREEN. Low maintenance, in early spring before new shoots appear, cut back or mow on a high mower setting to remove old foliage.

Mandavilla: Until the English Ivy really takes off... the client will have to plant annual tropical vine Mandavilla for the first 3-4 years. The annual vine will be planted behind the Ivy on the backside of the GREENSCREEN to avoid root competition with the Ivy.



4 SITE SECTION
1/8" = 1'-0"



5 ENLARGED ELEVATION TYP.
1/2" = 1'-0"

Ken Amstler
ARCHITECT OF RECORD

Shamus McTigue Bair
2416 SOUTH 12TH STREET UNIT 3
ST. LOUIS, MO 63104
foishamus@gmail.com

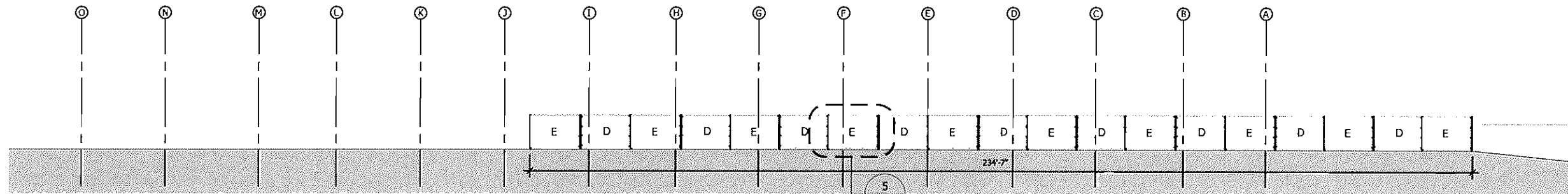
REVISIONS

NO.	DATE	BY	REVISION

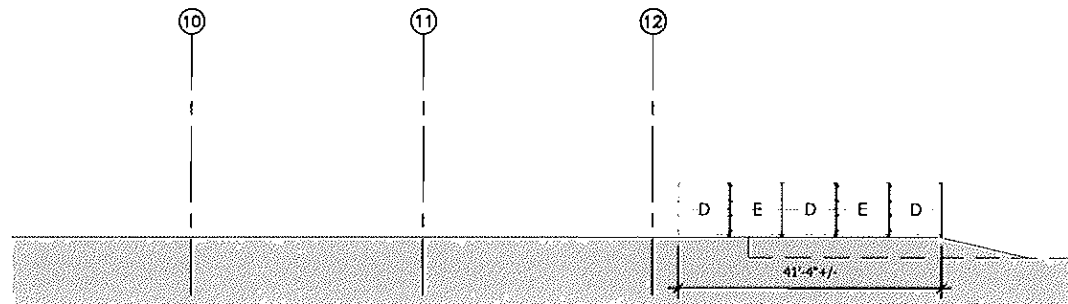
MARK ANDY INC.
718081 CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MO 63005-1119
45322-4433

JOB NO. MA-001
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DATE 03.11.2010
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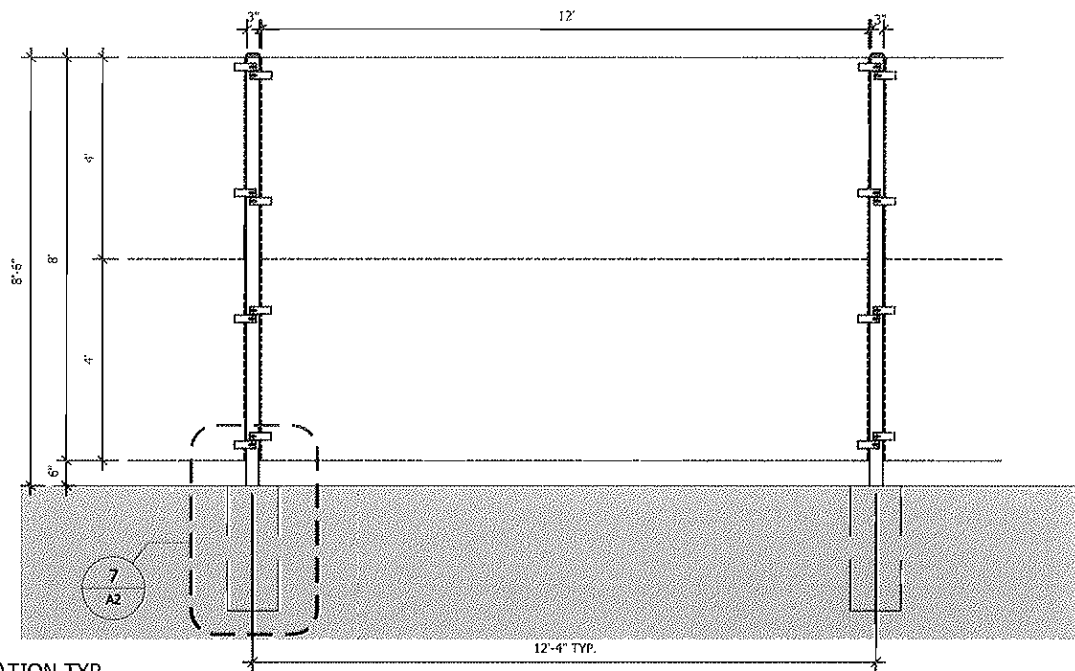
A2



2 SOUTH ELEVATION
1/16" = 1'-0"



3 WEST ELEVATION
1/16" = 1'-0"



5 ENLARGED ELEVATION TYP.
1/2" = 1'-0"

Ken Amsler
ARCHITECT OF RECORD

1740-1383
1000

Shamus McTighe Bair
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shamus@sigma.com

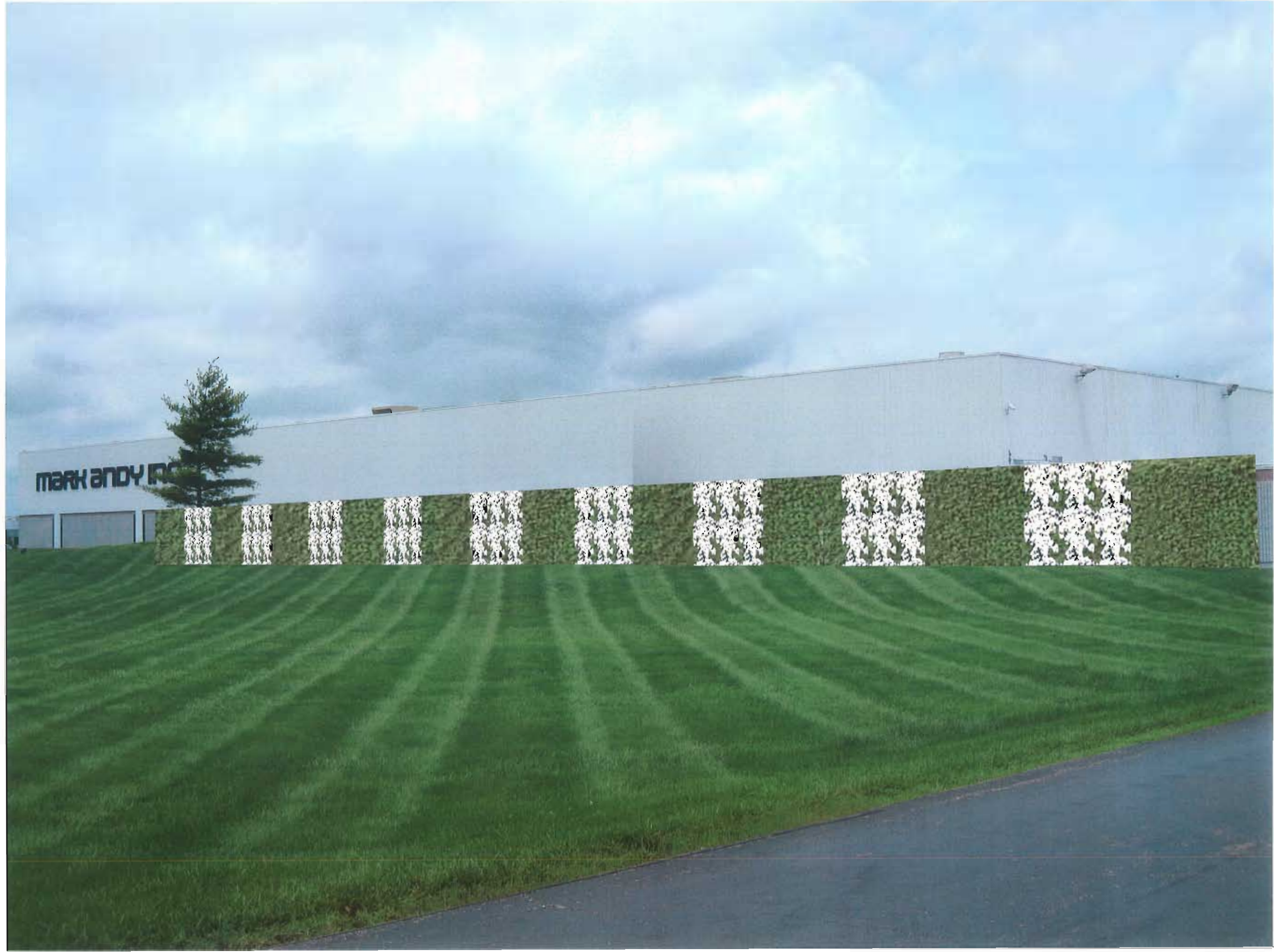
314-626-2737
1000

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314-222-4433

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A3



MARK ANDY INC

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2010.11.18

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shamus@shamusmc.com

2010.11.18

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DATE: 03.11.2010

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MARK ANDY INC.
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TEL: 631-4433

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REVIEWED BY: EA
DATE: 03.11.2010

SHEET NO
A5



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- [Highlights](#)
- [Pests](#)
- [Plants of Merit](#)

- [Master Search](#)
- [PlantFinder Search](#)

Search PlantFinder Names

Kemper Code: R450

Common Name: English ivy

Zone: 4 to 9

Plant Type: Vine

Family: Araliaceae

Missouri Native: No

Native Range: Europe, Scandinavia, Russia

Height: 20 to 80 feet

Spread: 3 to 50 feet

Bloom Time: September - October [Bloom Data](#)

Bloom Color: Greenish white

Sun: Part shade to full shade

Water: Medium

Maintenance: Low

Hedera helix

★☆☆☆☆ (2 ratings) --- [Rate this plant / Read comments](#)

[Locate this plant at MBG](#)

[Plant Culture and Characteristics](#)

[Sources for this plant](#)

[View our source\(s\)](#)

[Where is this species invasive in the US?](#)



Uses:

- | | |
|---|---|
| <input type="checkbox"/> Hedge | <input type="checkbox"/> Suitable as annual |
| <input type="checkbox"/> Shade tree | <input type="checkbox"/> Culinary herb |
| <input type="checkbox"/> Street tree | <input type="checkbox"/> Vegetable |
| <input type="checkbox"/> Flowering tree | <input type="checkbox"/> Water garden plant |
| <input checked="" type="checkbox"/> Gr. cover (<1') | <input checked="" type="checkbox"/> Will naturalize |

Wildlife:

- Attracts birds
- Attracts hummingbirds
- Attracts butterflies

Flowers:

- Has showy flowers
- Has fragrant flowers
- Flowers not showy
- Good cut flower
- Good dried flower

Leaves:

- Leaves colorful
- Leaves fragrant
- Good fall color
- Evergreen

Fruit:

- Has showy fruit
 - Fruit edible
- Other:**
- Winter interest
 - Thorns or spines

Ken Amsler
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REVISIONS:	
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MARK ANDY INC.
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DATE	03.11.2010

SHEET NO.
A6



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[Pests](#) Search PlantFinder Names
[Plants of Merit](#)

Kemper Code: A300

Common Name: sweet Autumn clematis

Zone: 5 to 9

Plant Type: Vine

Family: Ranunculaceae

Missouri Native: No

Native Range: Japan

Height: 15 to 30 feet

Spread: 15 to 30 feet

Bloom Time: August - September [Bloom Data](#)

Bloom Color: Creamy white

Sun: Full sun to part shade

Water: Medium

Maintenance: High

Clematis terniflora

★★★★☆ (8 ratings) --- [Rate this plant / Read comments](#)

[Locate this plant at MBG](#)

[Plant Culture and Characteristics](#)

[Sources for this plant](#)

[View our source\(s\)](#)

[Where is this species invasive in the US?](#)



Uses:

- Hedge
- Shade tree
- Street tree
- Flowering tree
- Gr. cover (<1')
- Suitable as annual
- Culinary herb
- Vegetable
- Water garden plant
- Will naturalize

Wildlife:

- Attracts birds
- Attracts hummingbirds
- Attracts butterflies

Flowers:

- Has showy flowers
- Has fragrant flowers
- Flowers not showy
- Good cut flower
- Good dried flower

Leaves:

- Leaves colorful
- Leaves fragrant
- Good fall color
- Evergreen

Fruit:

- Has showy fruit
 - Fruit edible
- Other:**
- Winter interest
 - Thorns or spines

Ken Amsler
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314-832-4433

JOB NO: MA-001
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 REVIEWED BY: CA
 DATE: 03.11.2010
 SHEET NO.

A7



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[Plants of Merit](#)

Liriope muscari

★ ★ ★ ☆ ☆ (1 ratings) --- [Rate this plant / Read comments](#)

[Our reviewer's comments](#)

Kemper Code: L100

Common Name: lily turf

Zone: 5 to 10

Plant Type: Herbaceous perennial

Family: Liliaceae

Missouri Native: No

Native Range: China, Taiwan, Japan

Height: 1 to 1.5 feet

Spread: 0.75 to 1 foot

Bloom Time: August - September [Bloom Data](#)

Bloom Color: Lavender

Sun: Full sun to part shade

Water: Medium

Maintenance: Low

[Locate this plant at MBG](#)

[Plant Culture and Characteristics](#)

[Sources for this plant](#)

[View our source\(s\)](#)

[Where is this species invasive in the US?](#)



Uses:

- Hedge
- Shade tree
- Street tree
- Flowering tree
- Gr. cover (<1')
- Suitable as annual
- Culinary herb
- Vegetable
- Water garden plant
- Will naturalize

Wildlife:

- Attracts birds
- Attracts hummingbirds
- Attracts butterflies

Flowers:

- Has showy flowers
- Has fragrant flowers
- Flowers not showy
- Good cut flower
- Good dried flower

Leaves:

- Leaves colorful
- Leaves fragrant
- Good fall color
- Evergreen

Fruit:

- Has showy fruit
- Fruit edible

Other:

- Winter interest
- Thorns or spines

Ken Anslar
ARCHITECT OF RECORD

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REVIEWED BY:	KA
DATE:	03.11.2010

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A8



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[Plants of Merit](#)

Kemper Code: A527

Common Name: mandevilla

Zone: 10 to 11

Plant Type: Vine

Family: Apocynaceae

Missouri Native: No

Native Range: Garden origin

Height: 3 to 10 feet

Spread: 3 to 4 feet

Bloom Time: Seasonal bloomer

Bloom Color: Deep pink with yellow throats

Sun: Full sun to part shade

Water: Medium

Maintenance: Unknown

Mandevilla x amabilis

★★★★★ (4 ratings) --- [Rate this plant / Read comments](#)

[Plant Culture and Characteristics](#)

[Sources for this plant](#)

[View our source\(s\)](#)



[High resolution image available.](#)

Uses:

- | | |
|--|--|
| <input type="checkbox"/> Hedge | <input checked="" type="checkbox"/> Suitable as annual |
| <input type="checkbox"/> Shade tree | <input type="checkbox"/> Culinary herb |
| <input type="checkbox"/> Street tree | <input type="checkbox"/> Vegetable |
| <input type="checkbox"/> Flowering tree | <input type="checkbox"/> Water garden plant |
| <input type="checkbox"/> Gr. cover (<1') | <input type="checkbox"/> Will naturalize |

Wildlife:

- Attracts birds
 Attracts hummingbirds
 Attracts butterflies

Flowers:

- Has showy flowers
 Has fragrant flowers
 Flowers not showy
 Good cut flower
 Good dried flower

Leaves:

- Leaves colorful
 Leaves fragrant
 Good fall color
 Evergreen

Fruit:

- Has showy fruit
 Fruit edible

Other:

- Winter interest
 Thorns or spines

Ken Amsler
ARCHITECT OF RECORD

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REV. NO.	DATE	BY	DESCRIPTION

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REVIEWED BY	EA
DATE	03.11.2010
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A9