



III. B.

690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
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Architectural Review Board Staff Report

Project Type: Site Development Section Plan

Meeting Date: April 9, 2015

From: Purvi Patel
Project Planner

CC: Aimee Nassif, Planning & Development Services Director

Location: West of Outlet Boulevard, north of its intersection with Olive Street Road.

Applicant: Chesterfield Blue Valley, LLC on behalf of Gander Mountain

Description: **Chesterfield Blue Valley, Lot 1H (Gander Mountain)**: A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a 6.015 acre tract of land zoned "PC" Planned Commercial District located west of Outlet Boulevard, north of its intersection with Olive Street Road.

PROPOSAL SUMMARY

Chesterfield Blue Valley, LLC, on behalf of Gander Mountain, has submitted a request for a 60,000 square foot retail building with accessory parking located on the west side of Outlet Boulevard, north of its intersection with Olive Street Road. The subject site is located within the Chesterfield Blue Valley Development, which is zoned "PC" Planned Commercial District and is governed under the terms and conditions of the City of Chesterfield Ordinance Number 2805. The exterior building materials will be comprised of textured painted walls (tilt-up concrete), stone, brick, and EIFS. The proposal also includes a flat TPO (Thermoplastic Polyolefin) roofing system with parapet walls and timber canopy systems in the front and rear of the building.

HISTORY OF SUBJECT SITE

In 2006, the first planned district was approved for the Chesterfield Blue Valley Development and in the years since, the site-specific governing ordinance has been amended several times to include additional land into the planned district and to consolidate several ordinances. The most recent ordinance amendment occurred in 2014, when the City of Chesterfield approved Ordinance Number 2805 to modify the parking setback between internal lots lines from ten (10) feet to zero (0) feet. Ordinance Number 2805 is the current ordinance of record.

The Site Development Concept Plan for Chesterfield Blue Valley was approved by the City Council on May 7, 2012; the Concept Plan was amended in 2014 to reflect the most up-to-date lot configurations. The original Record Plat for Chesterfield Blue Valley was approved by the City Council in July of 2012; at that time, five (5) overall lots were created. Since then, Lots 1, 2, 4 and 5 have been subdivided.

Furthermore, the applicant has submitted a Boundary Adjustment Plat to readjust the boundaries between the subject site (Lot 1H) and the lot to the south (Lot 1G). This application is still under review with Staff.

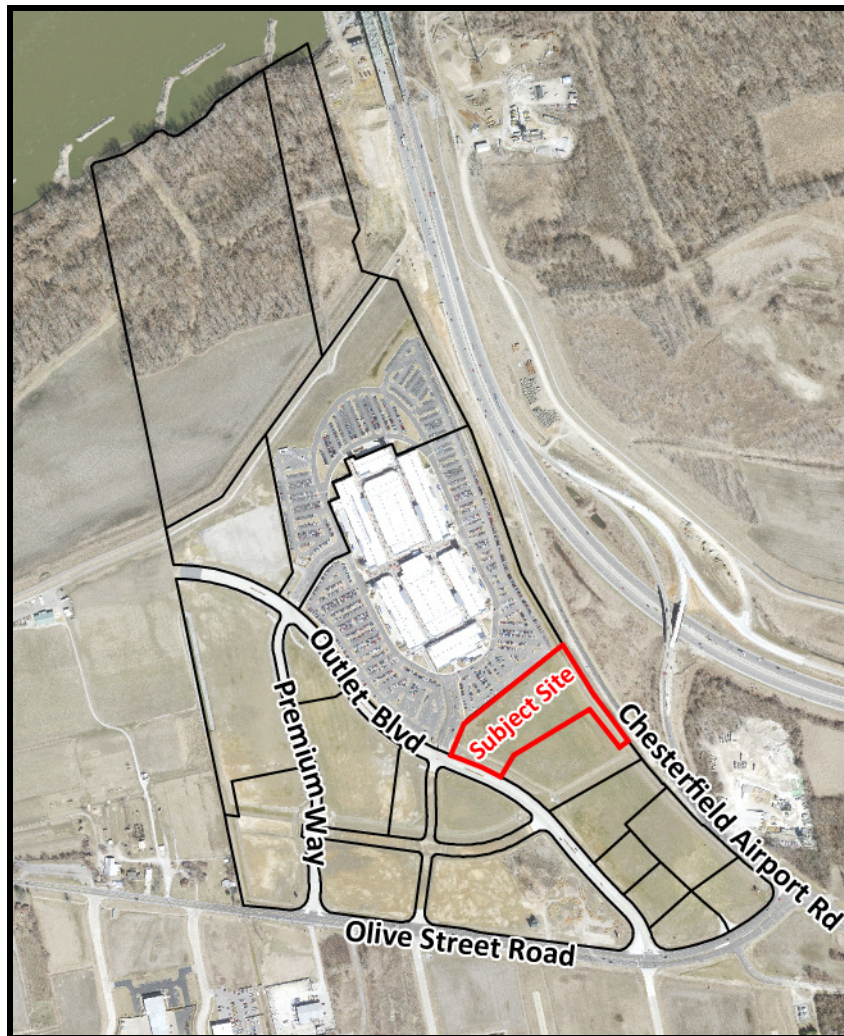


Figure 1

STAFF ANALYSIS

The subject site is zoned “PC” Planned Commercial District under the terms and conditions of City of Chesterfield Ordinance Number 2805. This ordinance allows for a total building floor area not to exceed 1,400,000 square feet for the entire Chesterfield Blue Valley development and thus far the existing 394,994 square foot Outlet Mall is the only built structure in this development. Plans for a Burlington store as well as a Gas Mart gas station with a convenience

store were approved by the Planning Commission in 2014. In March 2015, a 78,000 square foot addition to the St. Louis Premium Outlets was approved by the Planning Commission as well. The construction for the Burlington store is under way and the Improvement Plans for Gas Mart were recently approved. In addition to the Section Plan for Gander Mountain (Lot 1H), Staff is currently reviewing a Section Plan for Cavender’s Boot City on Lot 1C. The Section Plan for Cavender’s will be presented to the ARB on April 9th, 2015 as well.

The table below shows a break-down of the approved and proposed buildings in Chesterfield Blue Valley:

Chesterfield Blue Valley Projects			
Lot Number	Tenant	Total Square Feet	Project Status
Lot 1A	Gas Mart	7,812	Improvement Plans approved
Lot 1C	Cavender's Boot City	19,250	Section Plan under review
Lot 1H	Gander Mountain	60,000	Section Plan under review
Lot 2	St. Louis Premium Outlets (Phase I)	394,994	Constructed in Oct. 2013
Lot 2	St. Louis Premium Outlets (Phase II)	78,297	Approved March 2015
Lot 5D-2	Burlington	54,980	Under construction
Total Building Area (approved/under review)		615,333	
Total Building Area Permitted Per Ordinance		1,400,000	
Remaining allowable Building Area		784,667	

General Requirements for Site Design:

A. Site Relationships

The subject site is located west of Outlet Boulevard, just south of the St. Louis Premium Outlets. To the south of Lot 1H is a vacant parcel; however, as mentioned above, a Section Plan for Lot 1C is currently under review. The main entrance to the building will face west, towards Outlet Boulevard, with a similar rear elevation facing Chesterfield Airport Road/I-64 off-ramp.

B. Circulation System and Access

The proposal includes one main access point off of Outlet Boulevard which will serve as a shared access drive for Lot 1G and Lot 1H. The site can also be accessed via two shared access points from the St. Louis Premium Outlets (Lot 2) site. These shared accesses were previously approved with the Section Plan of Lot 2. The site will not have direct access to Chesterfield Airport Road.

Additionally, the developer has proposed a five (5) foot sidewalk along Outlet Boulevard which will tie into the existing sidewalk along the Outlet Mall frontage. This sidewalk will ultimately be tied into the property to the south to provide a continuous sidewalk throughout the development. A sidewalk from Outlet Boulevard to the building will be provided as well.

C. Topography

The existing grade of the property is generally flat. Minimal changes to the existing topography are planned. There is a drainage swale along Chesterfield Airport Road which is below the 100 year high-water mark and therefore no structures or plantings are allowed within this swale.

D. Retaining Walls

No retaining walls are proposed on the site.

General Requirements for Building Design:

A. Scale

The applicant is proposing a single story building that is approximately 24.5 feet in height with timber canopy systems on both the front and rear façades reaching up to 46.4 feet in height. The building design also includes brick and textured concrete piers on the corners of the building, which will be 29.5 feet tall. This proposed building height is similar to the adjacent St. Louis Premium Outlets. The tallest tower at the St. Louis Premium Outlet mall is 60 foot tall.

B. Design

The proposed building design features elevations that are articulated with textured coated concrete wall panels, brick, and stone. The front and rear elevations will feature a timber canopy system with a standing seam metal roof as well as standing seam metal awnings on each side of the system. Stone piers will ground these timber systems which will have half-log siding walls behind them. The front elevation includes large aluminum curtain-walls. The proposal also includes a 2.66 foot high brick band along the bottom of the building which will wrap around all four sides. And finally, the building corners will include taller brick piers which are topped off with textured concrete walls and EFIS cornices.

Ordinance Number 2805 states “The developer shall submit an overall design package for the development, including, but not limited to architectural elevations, colored renderings and building materials”. This overall design package was approved by the Planning Commission on February 25th, 2013. The architectural concept standards for the development, as approved, are as follows:

General

CBV, LLC envisions a project design based on the character, principles and theme of the Prairie Style of architecture which contains horizontal lines, flat or hipped roofs with broad overhanging eaves, and window groups in horizontal banks as the principle means of architectural expression. The goal is for a coordinated, upscale design theme present in every architectural and landscape feature including built form, lighting, exterior furniture and landscaping. The historic Brasher House, if reused, would be an exception. It is not the intent of these standards to limit or diminish use of “corporate trade dress” on store fronts.

Material Palette

Brick and stone veneer, exterior insulation plaster system (EIFS), smooth face architectural metal, exposed steel structure, painted concrete wall panels with sand texture finish, open metal trellises, glass and aluminum store fronts and curtain walls, canvas and metal awnings, and appropriate cornices and overhangs will be acceptable.

Color Palette

Earth tones accompanied by complimentary accent colors for view corridors and arrival points will be the standard.

As discussed above and seen in the Architect's submittal, most of the architectural features discussed above have been included in the design of the building and tie into the Prairie Style theme of the nearby St. Louis Premium Outlet Mall.

C. Materials and Color

As mentioned earlier, the building will be primarily comprised of textured walls (tilt-up concrete), stone, brick, and EIFS; additional materials proposed include timber, standing seam metal, and aluminum curtain-walls. The proposed material colors include lighter earth tones with darker accent colors, similar to the St. Louis Premium Outlet Mall in the Chesterfield Blue Valley development. The textured concrete walls will have a khaki finish with a pine green accent band along the top of the walls. This green will match the color of the standing seam metal awnings and roof of the timber canopy system, which is associated with the Gander Mountain brand. The EIFS cornices will be painted a darker tan to complement the khaki wall color. Two shades of brick and stone columns at the entrance and rear of the building help create articulation and interest in the architecture of the building, which will be enhanced further with the use of landscaping.

D. Landscape Design and Screening

The request includes landscaping required by the City of Chesterfield Tree Preservation and Landscape Requirements. This section requires street trees/landscape buffer be provided along public right-of-way; however, there is a drainage swale along Chesterfield Airport Road, which is below the 100 year high-water mark and therefore no structures or plantings are allowed within this swale. Accordingly, the applicant is providing the required street trees/landscape buffer outside of the swale along Chesterfield Airport Road. Additionally, the applicant has included a variety of trees along Outlet Boulevard and throughout the parking area as required by Code and to provide a variety of colors and textures. The proposal also includes trees on the building sides to provide articulation along the building elevations.

There are two rain gardens along the northern property line between the subject site and the St. Louis Premium Outlets, as well as a smaller rain garden along Outlet Boulevard. These rain gardens will be designed to MSD standards and will help capture storm water runoff from the site.

The dumpster is located within the loading dock area, which will be screened by a textured concrete wall with brick veneer with an EIFS cornice to match the building. Parapet walls will fully screen the roof-top equipment.

E. Lighting

The plan proposed several light standards in the parking lot and along the shared access drive, in addition to several utilitarian and architectural wall mounted fixtures. The parking area fixtures will be mounted at 20 feet and are fully shielded, full cut off metal halide fixtures which will match those approved for the St. Louis Premium Outlets, Burlington and the street lights in the development. The building will include 9 of these same metal halide fixtures mounted to the walls, with 22 additional architectural fixtures. The architectural fixtures are the same as those approved for Burlington and very similar to those approved for the St. Louis Premium Outlets. All these fixtures adhere to the City of Chesterfield Lighting Standards. The cut-sheets for all the proposed fixtures are included in the ARB submittal.

DEPARTMENTAL INPUT

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design. Be advised, this project is still going through development review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the ARB will be included in Staff's report to the Planning Commission.

Staff requests review and recommendation on this submittal for Chesterfield Blue Valley, Lot 1H (Gander Mountain).

MOTION

The following options are provided to the Architectural Review Board for consideration relative to this application:

- 1) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Chesterfield Blue Valley, Lot 1H (Gander Mountain) as presented, with a recommendation for approval (or denial) to the Planning Commission."
- 2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Chesterfield Blue Valley, Lot 1H (Gander Mountain), to the Planning Commission with the following recommendations..."

Attachments

1. Architectural Review Packet Submittal



ARCHITECTURAL REVIEW BOARD
Project Statistics and Checklist

Date of First Comment Letter Received from the City of Chesterfield March 9, 2015

Project Title: Gander Mountain Location: Chesterfield Blue Valley

Developer: Wolfe Properties LLC Architect: Patrick G. Brees, Architect. Engineer: Stock + Associates

PROJECT STATISTICS:

Size of site (In acres): 6.01 Total Square Footage: 60,000 Building Height: Walls: 24'-6"
Piers: 29'-6"
Peak: 45'-6"

Proposed Usage: Mercantile

Exterior Building Materials: Brick, Stone, Textured painted walls, EIFS

Roof Material & Design: Mechanically fastened TPO roofing system

Screening Material & Design: Brick, Textured painted concrete wall

Description of art or architecturally significant features (if any): Stained log siding and timbers with green standing seam metal roof.

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) N/A
- Architect's Statement of Design which clearly identifies how each section in the Standards 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.



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Patrick G. Blees, AIA

March 30, 2015

Gander Mountain – Chesterfield, MO

The proposed Gander Mountain building will complement the existing St. Louis Premium Outlets architectural Modern Prairie theme style as outlined in the Chesterfield Blue Valley Construction Manual. The site is comprised of approximately 6.01 acres with an approximately 60,000 sq.ft. mercantile building.

General Requirements for Site Design

Site Relationships:

The proposed building will occupy one of the planned out lots that will be directly adjacent to St. Louis Premium outlet. The colored site plan shows how the building will interface with the St. Louis Premium Outlet and adjacent tenants and open lots. The front of the building will face Outlet Blvd. while the rear of the building faces Chesterfield Airport Dr.

Circulations Systems and Access:

Vehicular access to the site will be provided from the single entry/exit for the site which is located off Outlet Blvd. Delivery vehicles will enter from the main entrance on Outlet Blvd and proceed directly to the loading area.

Pedestrian access will be provided along the front of the building. The accessible parking spaces will be located directly in front of the building entrance to allow easy access.

Topography:

The topography of the site is relatively flat. New landscaping will be provided around the building and in the parking lot. Rain gardens will be utilized on the west side of the building and parking lot. A Bio-retention pond will also occupy the space between the parking lot and Outlet Blvd.

Retaining Walls/ Screening:

There will be no new retaining walls. A parapet wall will screen the roof top equipment. Also the trash dumpster located in the truck well will be screened by a concrete wall with brick veneer and metal cap to match the building.

General Requirements of Building Design:

Scale:

The overall scale of the building is similar to the adjacent St. Louis Premium Outlets. The building height is consistent with adjacent and neighboring properties. The overall height of

Fort Worth, TX

Minneapolis, MN

Dallas, TX

the building is 29'-6" to the top of the piers with a maximum height of 46'-5" at the main entry log structure.

Design:

The building elevations illustrate how the proposed building will blend with the existing St. Louis Premium outlet. The same materials (textured coated concrete wall panels, brick, stone, glazing and standing seam metal), architectural features and colors will be utilized. The building will maintain the overall character and principles of the Prairie Style Architecture established as the theme for the overall Chesterfield Blue Valley development.

Design elements include: brick and textured coated concrete piers on the corners of the building with an EIFS cornice, glazing at the storefront and log entry features associated with the Gander Mountain brand. The green paint band is used to match the canopies & green roofs.

Materials and Colors:

The proposed building will be textured coated concrete tilt up wall panels with a brick base and painted in earth tone colors (tans and beiges), with natural stone piers at the front & rear of the building, glazing at the storefront and EIFS at the cornices. The standing seam metal roof over the windows shall have a Sherwood green finish. The colors of the materials are generally earth tones accompanied by complimentary accent colors. A material board will be provided at the Architectural Review Board Meeting.

Landscape Design and Screening:

The site will be fully landscaped with trees and other shrubs/plantings to reduce the impact of the development while still maintaining commercial visibility. Please refer to the submitted landscape plan for more information.

Along Outlet Boulevard, street plantings will be a mixture of fast growing and slow/medium growing trees. Patrons will enter the site from Outlet Blvd, into the parking lot with a variety of plantings located in the islands. These varieties will provide a variety of colors and textures while providing a shade in the parking areas. Parking islands will also be irrigated.

Wrapping around the north-western side of the building are storm water bio-retention areas. Shrubs & trees also line the building to help break up the building façade. Along the north-eastern or rear side of the building various large trees are planted to create a buffer zone between the Gander Mountain site and Chesterfield Airport Rd. Smaller shrubs & trees occupy the south-eastern side of the building, which are also used to help break up the building façade.

Signage:

Signage will be consistent with the Master Sign Plan approved by the City of Chesterfield for Chesterfield Blue Valley development.

Lighting:

New site lighting will be added in the parking lot. The civil drawings indicate locations; also see the photometric drawing and light fixture cut sheets for more information. Building mounted lighting will be complimentary to the fixtures used at the Outlet.

Architectural Design Intent
March 30, 2014
Page 3 of 3

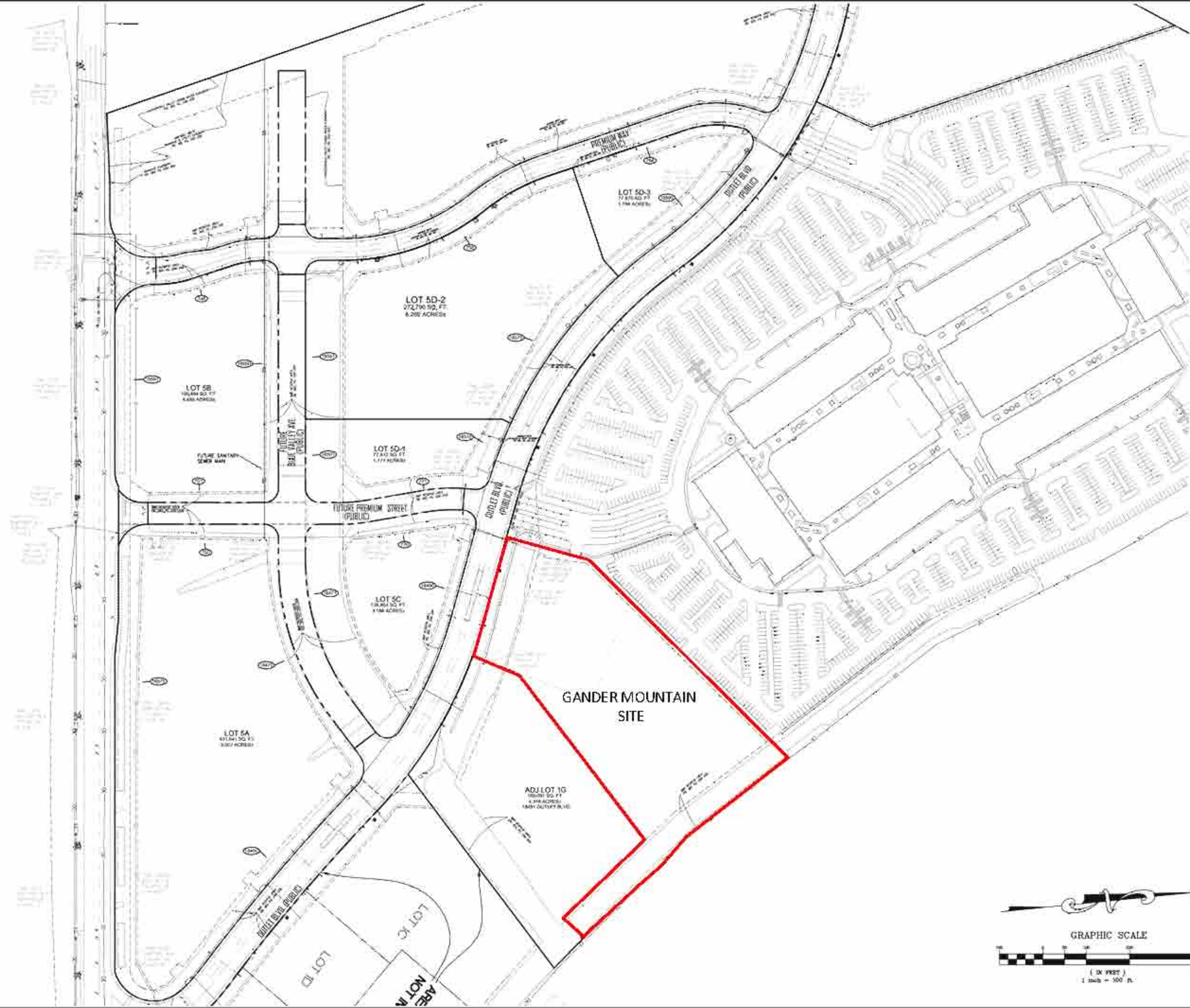
Sincerely,



Patrick G. Bles, Architect

PGB/amd





PREPARED BY:
STOCK & ASSOCIATES
 Consulting Engineers, Inc.
 837 Chesterfield Business Parkway
 St. Louis, MO 63005-2711 (314) 931-1000
 330-800-1114 (toll free) 314-931-1000
 e-mail: general@stockinc.com
 Web: www.stockinc.com

SITE IMPROVEMENT PLANS FOR:
GANDER MOUNTAIN
 18491 OUTLET BLVD
 CHESTERFIELD
 MISSOURI

DATE: 03/02/15

GEORGE W. STOOK E-25116
 CIVIL ENGINEER
 CERTIFICATE OF AUTHORITY
 NUMBER: 000996

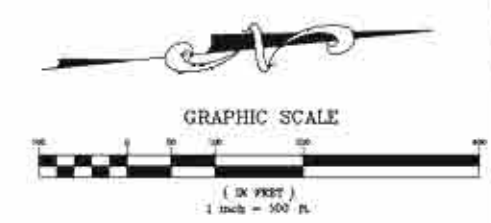
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NO.	DATE	DESCRIPTION

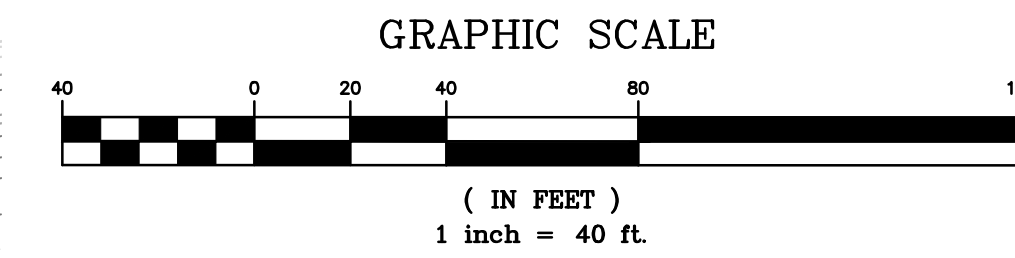
DATE	BY	CHECKED BY	DATE
03/02/15	E.J.F.	G.M.S.	215-5005
			1765

SHEET TITLE:
 EXISTING OVERALL
 PLAN FOR
 SANITARY SERVICE

SHEET NO:
C15



CHESTERFIELD AIRPORT RD.



GANDER MOUNTAIN
60,000 S.F.
PR. LOT - 6.01 AC
240 SPACES
(4.0/1000)
33.0% OPENSOURCE
FF=466.75

ADJ LOT 1H
262001 Sq. Ft.
6.015 Acres±

ADJ LOT 1G
188091 Sq. Ft.
4.318 Acres±

ORIG LOT 1G
362954 Sq. Ft.
8.332 Acres±
PB. 362 PG. 72

ORIG LOT 1H
57138 Sq. Ft.
1.300 Acres±
PB. 362 PG. 72

OUTLET BLVD. (74'W)
CONCRETE PAVEMENT
APPROXIMATE LOCATION OF BURIED ELECTRIC PER RECORD INFORMATION.

PREPARED BY:

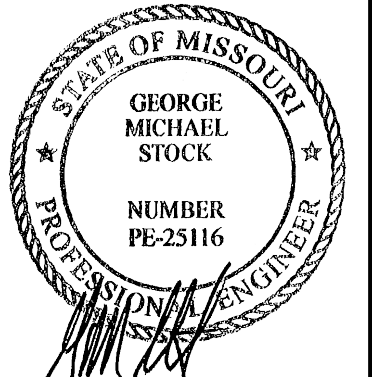
STOCK & ASSOCIATES
Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO 63005 PH: (636) 530-9100 FAX: (636) 530-9130
e-mail: general@stockass.com
Web: www.stockass.com

SITE DEVELOPMENT SECTION PLANS FOR:

**GANDER MOUNTAIN, LOT 1H
CHESTERFIELD BLUE VALLEY**

18491 OUTLET BLVD
CHESTERFIELD
MISSOURI

DATE: 03/20/15



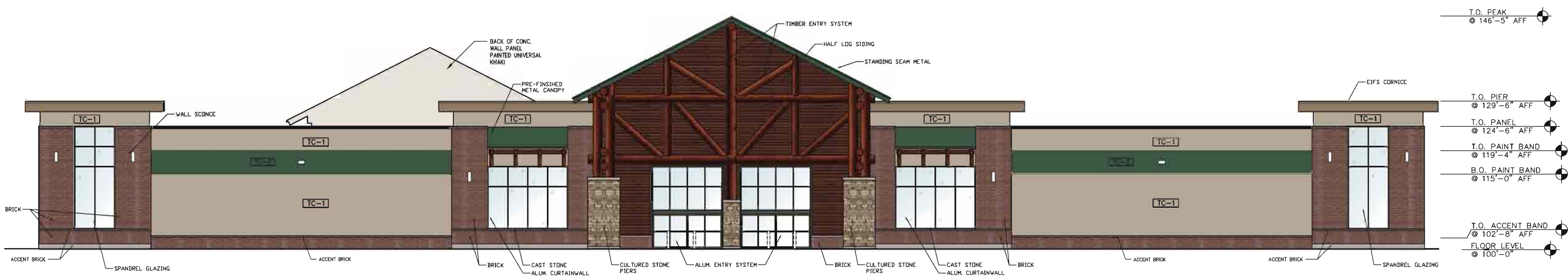
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

REVISIONS:

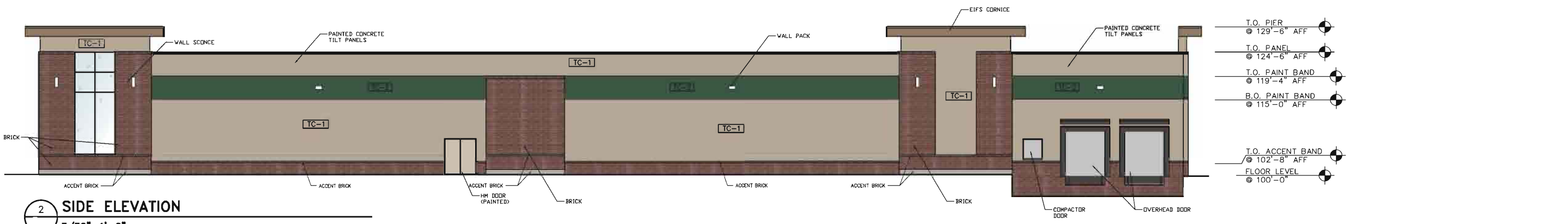
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M.S.D. #:	-	BASE MAP #:	17W2
S.L.C. MAT #:	-	HAT SLP. #:	-
M.D.N.R. #:	-		

SHEET TITLE:
**COLOR
SITE PLAN**

SHEET NO.:
1



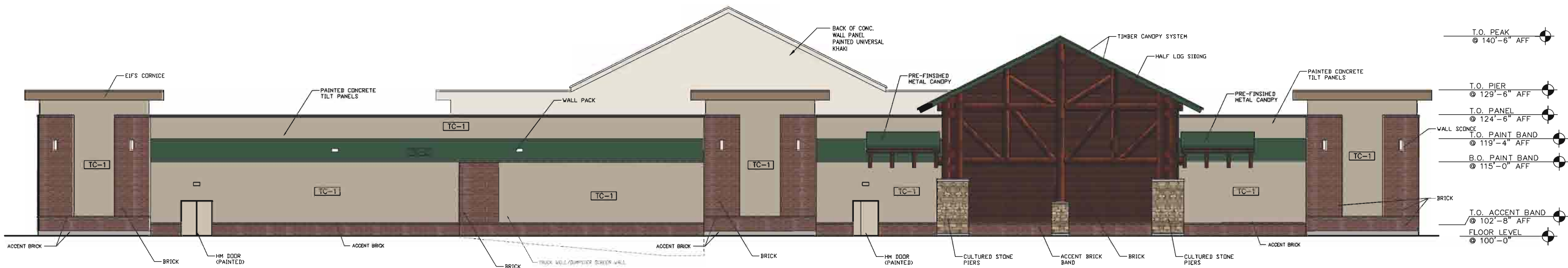
1 FRONT ELEVATION
3/32" = 1'-0"



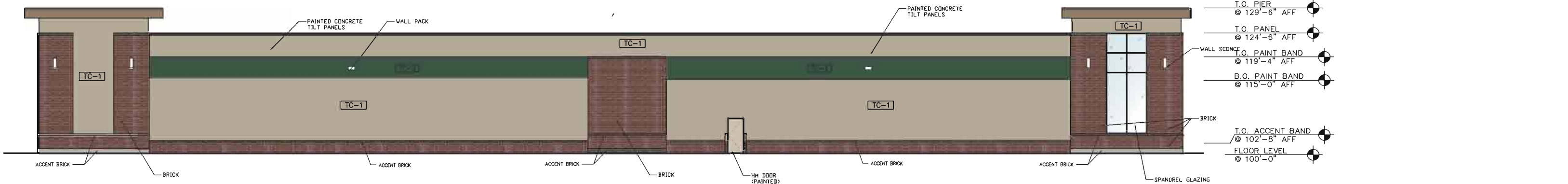
2 SIDE ELEVATION
3/32" = 1'-0"

- TC-1 SHERWIN WILLIAMS - UNIVERSAL KHAKI
- TC-2 SHERWIN WILLIAMS - ISLE OF PINE
- EIFS CORNICE SHERWIN WILLIAMS - QUIVER TAN
- BRICK ENDICOTT - MEDIUM IRONSPOT #77
- ACCENT BRICK ENDICOTT - EXECUTIVE IRONSPOT
- METAL CONOPY UNICLAD - SHERWOOD GREEN





3 REAR ELEVATION
3/32"=1'-0"



4 SIDE ELEVATION
3/32"=1'-0"

- TC-1 SHERWIN WILLIAMS - UNIVERSAL KHAKI
- TC-2 SHERWIN WILLIAMS - ISLE OF PINE
- EIFS CORNICE SHERWIN WILLIAMS - QUIVER TAN
- BRICK ENDICOTT - MEDIUM IRONSPOT #77
- ACCENT BRICK ENDICOTT - EXECUTIVE IRONSPOT
- METAL CONOPY UNICLAD - SHERWOOD GREEN





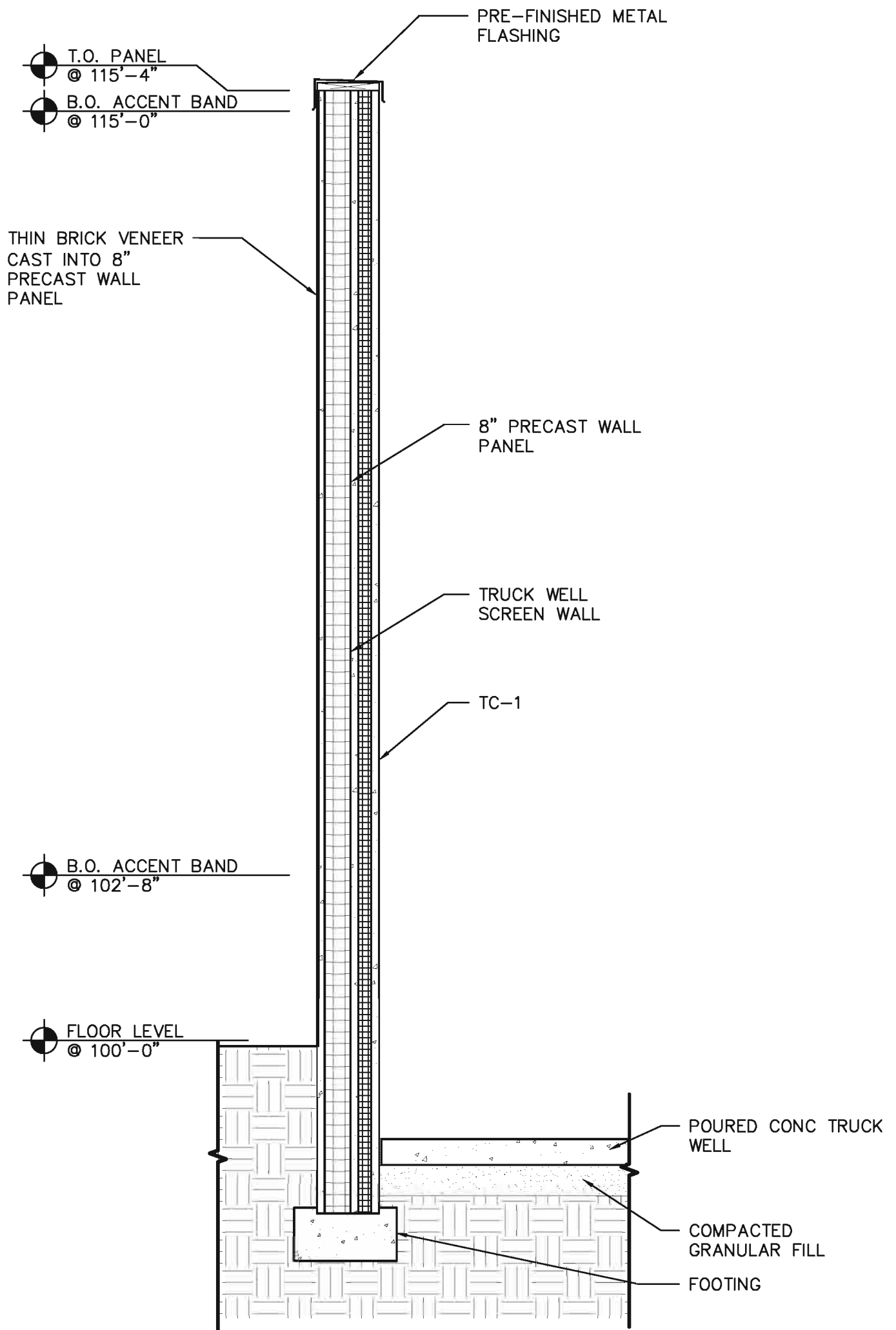
GANDER MOUNTAIN

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**GANDER MOUNTAIN
CHESTERFIELD BLUE VALLEY
OUTLET BLVD
CHESTERFIELD, MO**

BUILDING PERSPECTIVE

PROJ MGR: ANGIE FEULNER
DRAWN BY: KEL
DATE: 03-30-15
PROJ NO: 15114.005



1 **SCREEN WALL**
 1/2" = 1'-0"

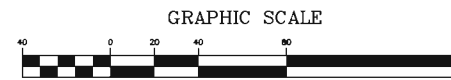
GANDER MOUNTAIN

GANDER MOUNTAIN
 CHESTERFIELD BLUE VALLEY
 OUTLET BLVD
 CHESTERFIELD, MO

TRUCK WELL SCREEN WALL

PROJ MGR: ANGIE FEULNER
 DRAWN BY: AMD
 DATE: 03-24-15
 PROJ NO: 15114.005

CHESTERFIELD AIRPORT RD.



257 Chesterfield Business Parkway
St. Louis, MO 63005 PH: (636) 530-5100 FAX: (636) 530-9100
e-mail: general@stockandassociates.com Web: www.stockandassociates.com

STOCK & ASSOCIATES
Consulting Engineers, Inc.

PREPARED BY:

SITE IMPROVEMENT PLANS FOR:

GANDER MOUNTAIN
18491 OUTLET BLVD
CHESTERFIELD
MISSOURI

DATE: 03/02/15

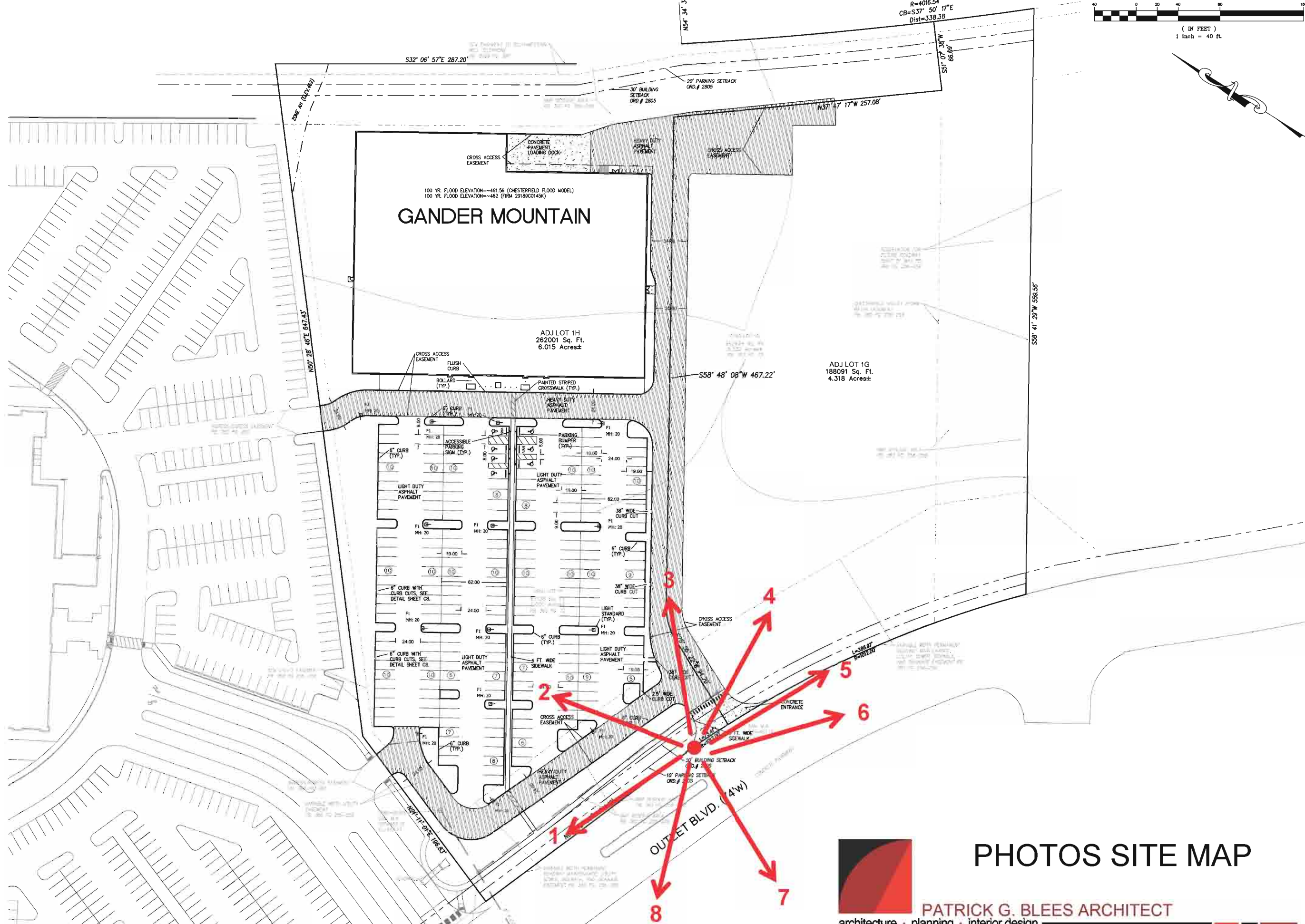
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

REVISIONS:

DRAWN BY: E.J.F. CHECKED BY: G.M.S.
DATE: 03/02/15 JOB NO.: 215-5505
W.D. # - BASE MAP # 17W2
S.L.C. # - H.B. S.L.P. # -

SHEET TITLE:
SITE GEOMETRIC
PLAN

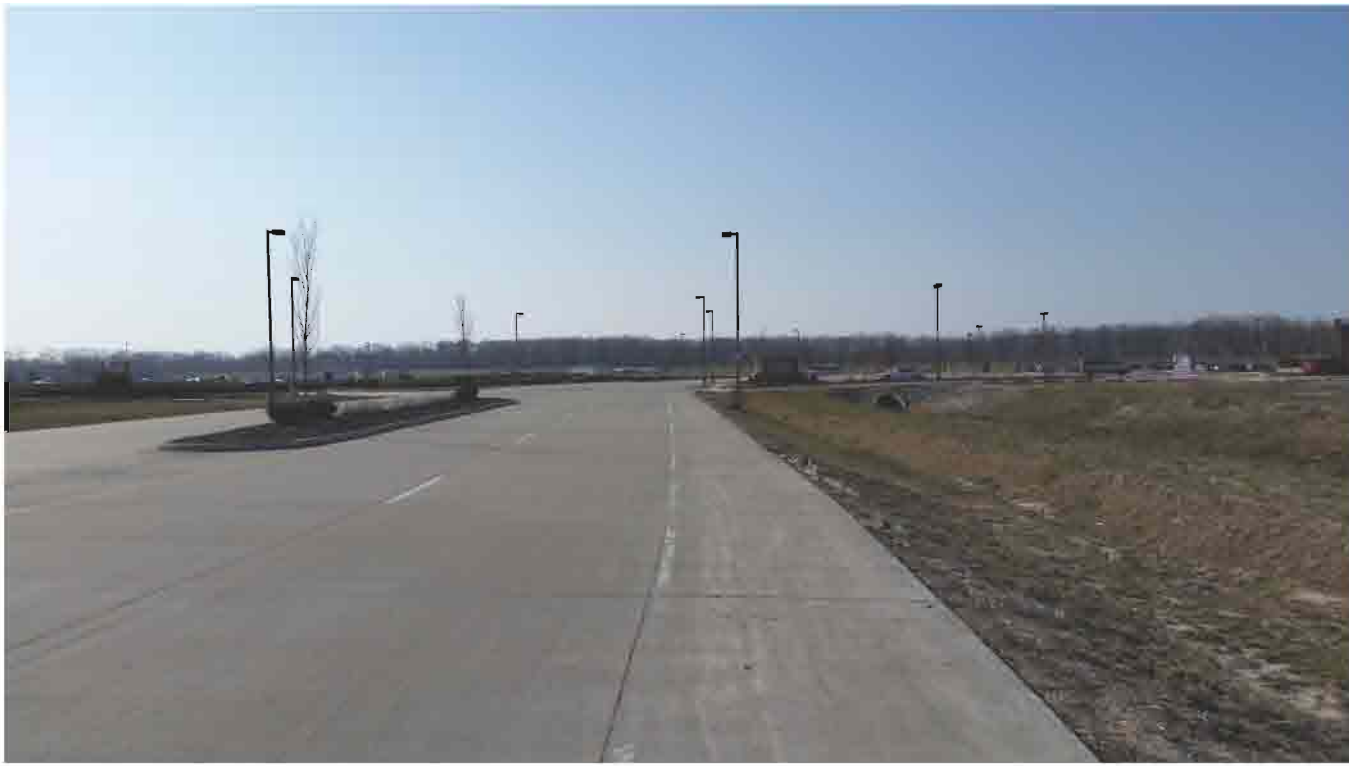
SHEET NO.:
C7



PHOTOS SITE MAP



PATRICK G. BLEES ARCHITECT
architecture • planning • interior design



Site Photo #1



Site Photo #2



Site Photo #3



Site Photo #4



Site Photo #5



Site Photo #6

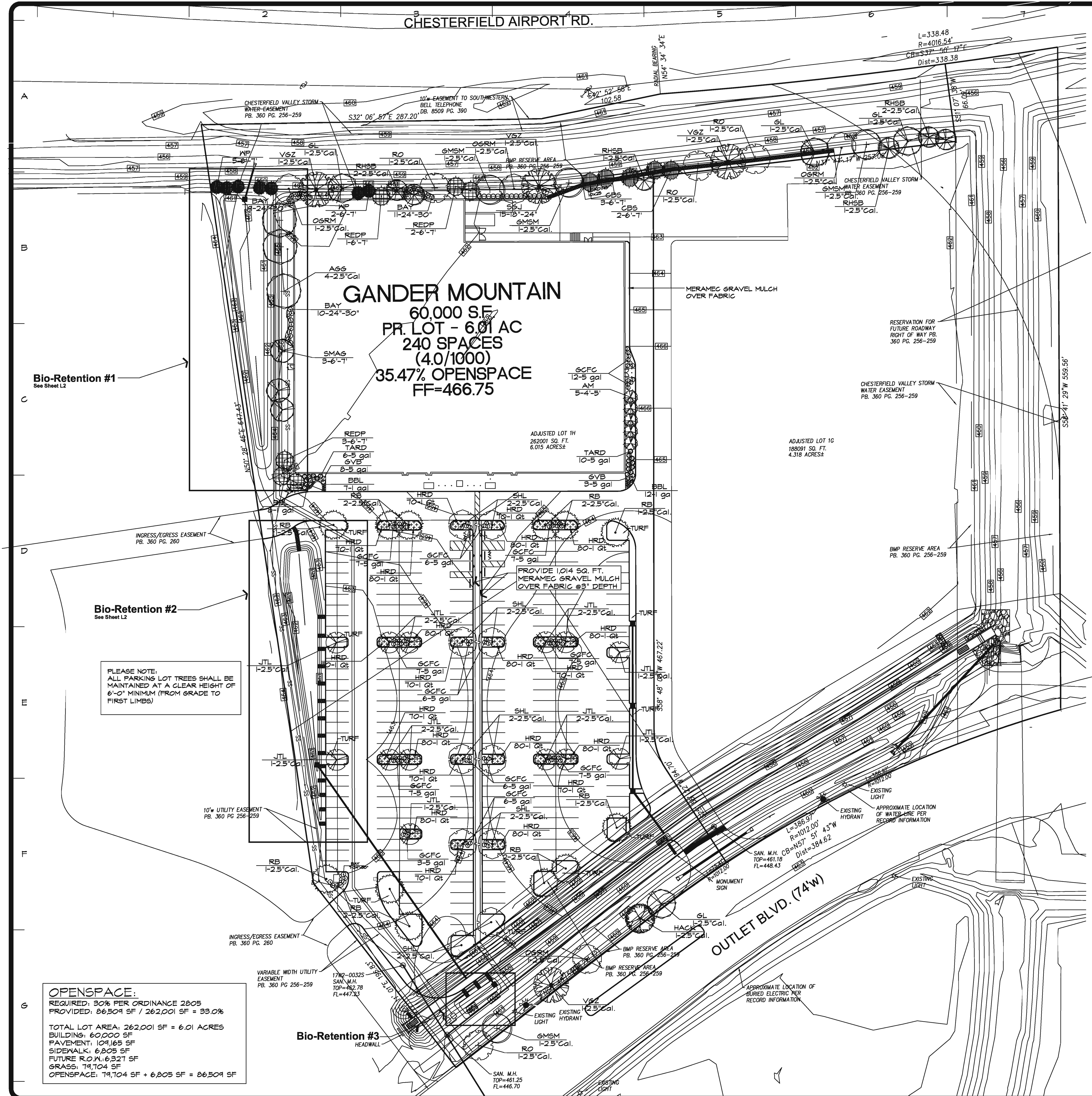


Site Photo #7



Site Photo #8





GANDER MOUNTAIN
 60,000 S.F.
 PR. LOT - 6.01 AC
 240 SPACES
 (4.0/1000)
 35.47% OPENSOURCE
 FF=466.75

Bio-Retention #1
 See Sheet L2

Bio-Retention #2
 See Sheet L2

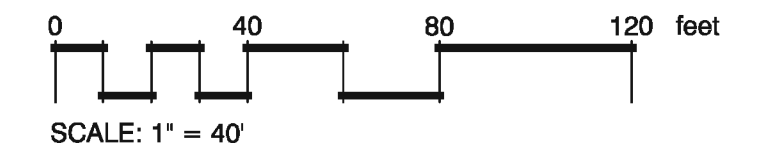
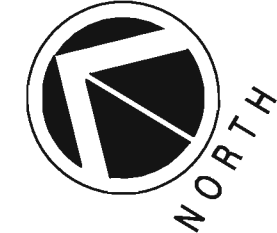
PLEASE NOTE:
 ALL PARKING LOT TREES SHALL BE
 MAINTAINED AT A CLEAR HEIGHT OF
 6'-0" MINIMUM (FROM GRADE TO
 FIRST LIMBS)

OPENSOURCE:
 REQUIRED: 30% PER ORDINANCE 2805
 PROVIDED: 86,504 SF / 262,001 SF = 33.0%

TOTAL LOT AREA: 262,001 SF = 6.01 ACRES
 BUILDING: 60,000 SF
 PAVEMENT: 109,165 SF
 SIDEWALK: 6,805 SF
 FUTURE R.O.W.: 6,327 SF
 GRASS: 19,704 SF
 OPENSOURCE: 19,704 SF + 6,805 SF = 86,504 SF

NOTES:

- All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to public.
- The landscape contractor shall be responsible for any coordination with other site related work being performed by other contractors. Refer to architectural drawings for further coordination of work to be done. Coordinate locations of trees, hydrants and utilities.
- Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-DIG-RITE).
- Plant material are to be planted in the same relationship to grade as was grown in nursery conditions.
- All mulch to be shredded oak bark mulch at 3" depth (after compaction) unless otherwise noted. Mulch shall be clean and free of all foreign materials. Edge all beds with spade-cut edge unless otherwise noted.
- It shall be the landscape contractor's responsibility to:
 - Verify all existing and proposed features shown on the drawings prior to commencement of work.
 - Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
 - Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect prior to installation.
- The landscape contractor is to receive the site graded to within 1/10 of a foot. Landscape contractor to obtain letter of grade certification from the general contractor prior commencement of work.
- All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
- All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after installation at 100% of the installed price.
- All disturbed lawn areas to be sodded with a high quality Turf-Type Fescue. Lawn areas shall be unconditionally warranted for a period of 40 days from date of final acceptance. Bare areas more than one square foot per any 50 square feet shall be replaced.
- Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all conditions and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from landscape architect.
- Siltation controls may be required to prevent run-off. Straw bales placed end-to-end shall be used, anchored with no less than two 3/8" X 36" reinforcing rods. Bales shall remain until all graded areas are seeded or sodded.
- The minimum setback is 30'-0" from an existing or proposed right of way.
- One (1) tree is required for every fifty (50) lineal feet of street frontage.
- Landscape Islands shall be placed at the ends of parking aisles as required by Ordinance #2512 of the City of Chesterfield Zoning Ordinance:
 - There shall be a minimum landscape width of nine (9) feet and a minimum area of 100 square feet. Provide one (1) deciduous tree per island.
 - At the end of double row parking, a minimum of 210 square feet shall be provided for with a minimum of two (2) deciduous trees per island.
 - Islands shall have plantings consisting of groundcovers such as shrubs, ivy, flowers and grasses. Mulch or rock may be used instead of grass or in combination with grass.
- Consideration shall be given to the type of grass to be used due to need for driveway to tolerate in areas without irrigation systems. (Examples: Turf Type Tall Fescue blend less than five years old, and Crossfire, a semi-dwarf variety, blended with 5-10% bluegrass and referred to as a Transition mix).
- A minimum of sixty percent (60%) of the deciduous trees must be of a species which matures at $\leq 35'$, evenly dispersed throughout the project.
- If the estimated materials cost of new landscaping indicated on the Site Development Plan, as required by the Planning Commission, exceeds one thousand (\$1,000) dollars, as determined by a plant nursery, the petitioner shall furnish a two (2) year bond or escrow sufficient in amount to guarantee the installation of said landscaping.
- Upon release of the landscape Installation Bond, a two (2) year Landscape Maintenance Bond shall be required.
- All landscape areas and islands shall be provided with a mechanical, automatic in-ground irrigation system. See irrigation plan and coordinate installation with landscape contractor and general contractor. Petitioner shall furnish a two (2) year bond or escrow sufficient in amount to guarantee the installation of said landscaping.
- All planting beds to be edged with spade-cut edge unless otherwise directed. Landscape contractor to provide an alternate quote for Permaloc Cleanline aluminum edging.
- Adjust tree locations for light standards, fire hydrants, sewers, underground utilities, etc.
- No trees or other obstructions shall be located within six feet of fire hydrants.



TREE MIX:
 30-FAST GROWING (52%) / 35-SLOW-MEDIUM GROWING (48%)

31-CANOPY TREES (42%) / 25-FLOWERING TREES (34%) / 17-EVERGREEN TREES (24%)

ALL TREES 2.5" CALIPER or 6' HGHT. MINIMUM

MSD BASE #17A2

STREET TREES: 1 per 50 LF FRONTAGE

- 286.53 LF FRONTAGE @ OUTLET BLVD., REQUIRING 6 TREES @ 2.5" CALIPER; 6 TREES PROVIDED
- 728.20 LF FRONTAGE @ CHESTERFIELD AIRPORT RD., REQUIRING 15 TREES @ 2.5" CALIPER; 15 TREES PROVIDED

OPENSOURCE: REQUIRED: 30% PER ORDINANCE 2805
 PROVIDED: 86,504 SF / 262,001 SF = 33.0%

TOTAL LOT AREA: 262,001 SF = 6.01 ACRES
 BUILDING: 60,000 SF
 PAVEMENT: 109,165 SF
 SIDEWALK: 6,805 SF
 FUTURE R.O.W.: 6,327 SF
 GRASS: 19,704 SF
 OPENSOURCE: 19,704 SF + 6,805 SF = 86,504 SF

REVISIONS	BY
3/13/15	RM

landscape TECHNOLOGIES

REGISTERED ARCHITECT
 MISSOURI ARCHITECTURAL BOARD
 NUMBER 017
 DATE 5-15-15

LANDSCAPE PLAN FOR THE PROPOSED
Gander Mountain
 LOT 1H CHESTERFIELD BLUE VALLEY
 18491 OUTLET BLVD. CHESTERFIELD, MO

DRAWN BY: R. WARDIS
 CHECKED BY: RM
 DATE: 2/18/15
 SCALE: 1"=40'
 JOB NO: 2015-108
 SHEET: **L-1**
 OF TWO SHEETS

REVISIONS	BY
3/15/15	RM

landscape TECHNOLOGIES

K. WARDIS
LANDSCAPE ARCHITECT #000008
MISSOURI LANDSCAPE ARCHITECTS ASSOCIATION
ST. LOUIS, MISSOURI 63104
TEL: (314) 425-1400
FAX: (314) 425-1400
MO: Landscape Architectural Corporation #200800912

REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
MISSOURI
NUMBER 019
DATE: 5/15/15

LANDSCAPE PLAN FOR THE PROPOSED
Gander Mountain
LOT 1H CHESTERFIELD BLUE VALLEY
18491 OUTLET BLVD. CHESTERFIELD, MO

DRAWN
R. WARDIS

CHECKED
RM

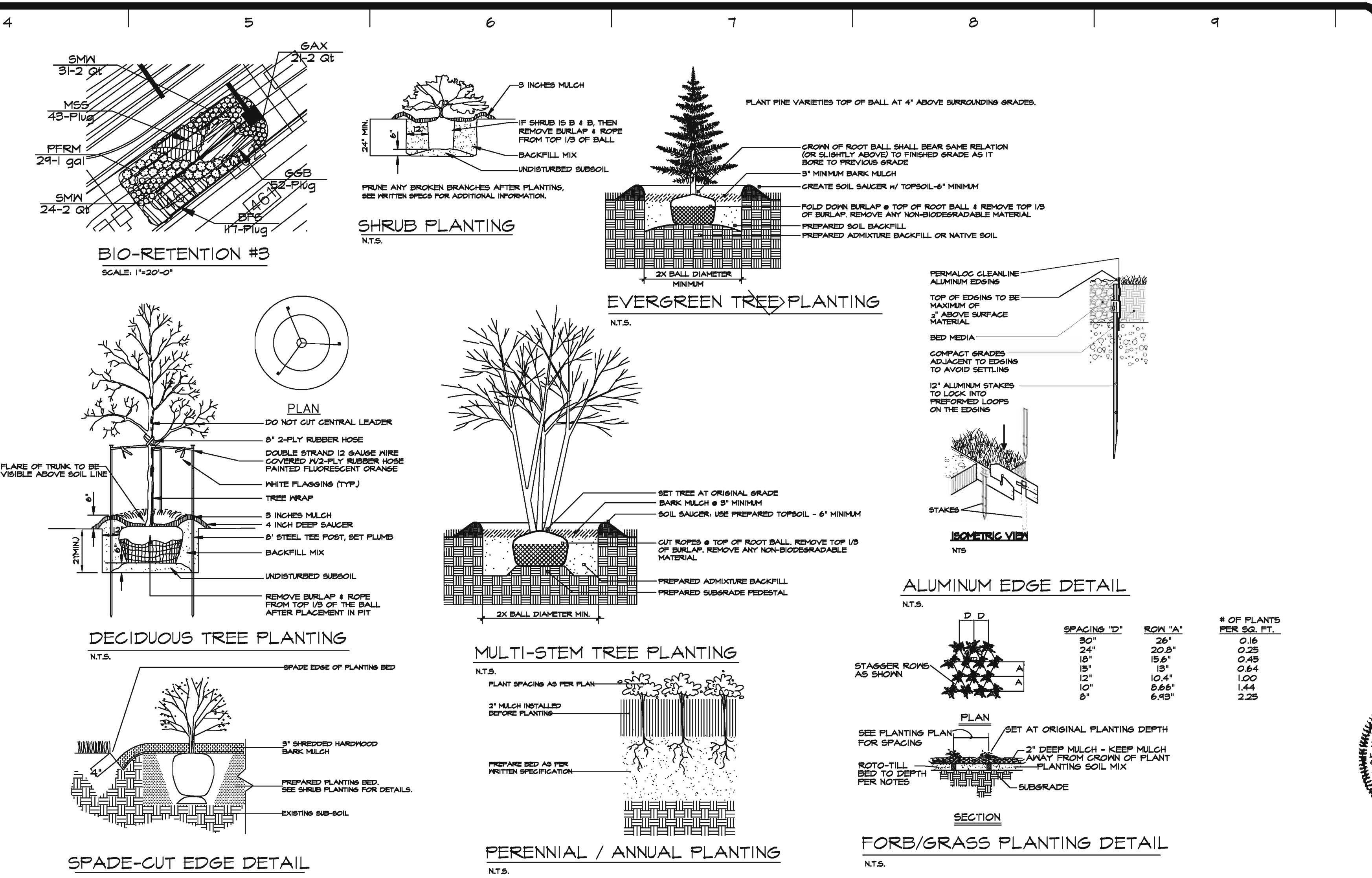
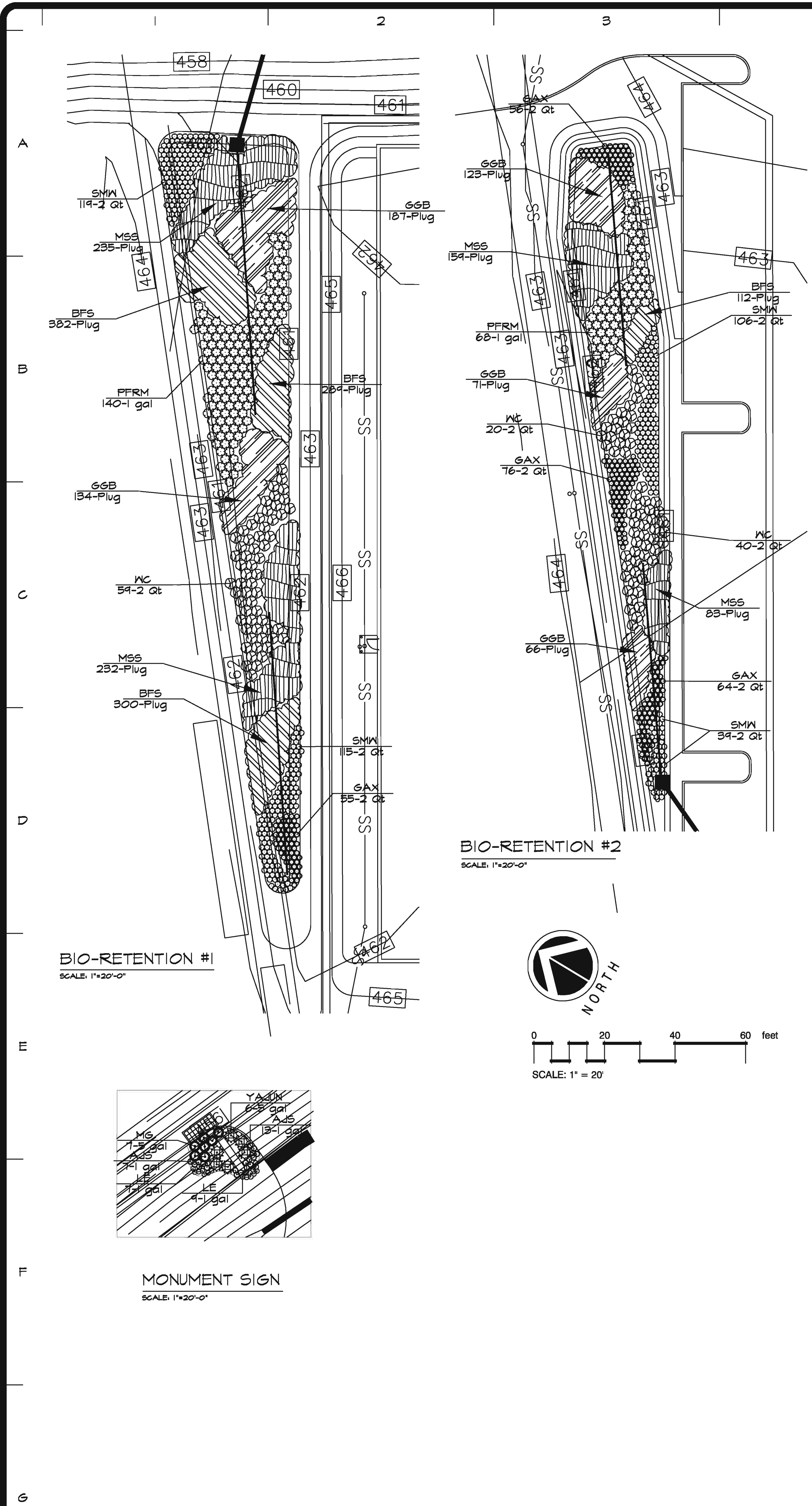
DATE
2/15/15

SCALE
1"=20'-0"

JOB NO.
2015-108

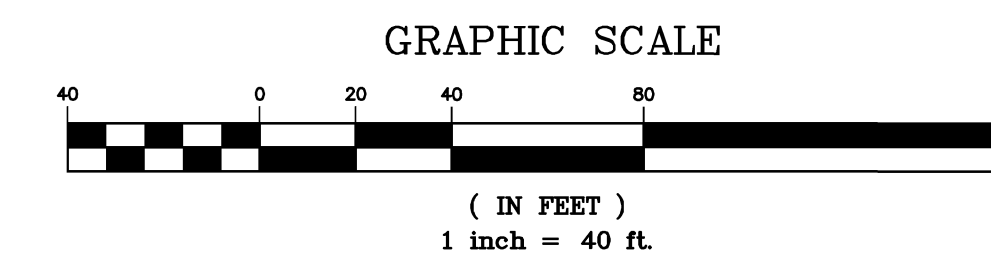
SHEET
L-2

OF TWO SHEETS



PLANT SCHEDULE				
FAST GROWING TREES				
HACK	1	Common Hackberry / Celtis occidentalis	2.5'Gal.	45' +
RB	12	Redbud / Cercis canadensis	2.5'Gal.	25'-30'
VGZ	4	Village Green Zelkova / Zelkova serrata 'Village Green'	2.5'Gal.	45' +
WP	7	White Pine / Pinus strobus	6'-7'	45' +
OSRM	4	'October Glory' Maple / Acer rubrum 'October Glory'	2.5'Gal.	45' +
SHL	10	'Skyline' Honeylocust / Gleditsia triacanthos 'Skyline'	2.5'Gal.	45' +
SLOW/MEDIUM GROWING TREES				
ASG	3	Autumn Gold Ginkgo / Ginkgo biloba 'Autumn Gold' TM	2.5'Gal.	45' +
CBS	5	Colorado Blue Spruce / Picea pungens 'Glauca'	6'-7'	35'-40'
GMMS	4	Green Mountain Sugar Maple / Acer saccharum 'Green Mountain'	2.5'Gal.	45' +
SL	4	Greenspire Littleleaf Linden / Tilia cordata 'Greenspire'	2.5'Gal.	45' +
JTL	13	Ivory Silk Japanese Tree Lilac / Syringa reticulata 'Ivory Silk'	2.5'Gal.	25'-30'
RO	4	Red Oak / Quercus rubra	2.5'Gal.	45' +
REDP	6	Red Pine / Pinus resinosa	6'-7'	45' +
RHSB	6	Robin Hill Serviceberry / Amelanchier X grandiflora 'Robin Hill'	2.5'Gal.	25'-30'
SMAG	3	Saucer Magnolia / Magnolia X soulangeana	6'-7'	20'-30'
AM	5	'Flame' Amur Maple / Acer ginnala 'Flame'	4'-5'	20'-25'
SHRUBS				
YAJUN	6	Compact Youngstown Andorra Juniper / Juniperus horizontalis 'Youngstown'	5 gal	
GCFC	81	Golden Charm False Cypress / Chamaecyparis pisifera filifera 'Golden Charm'	5 gal	
GVB	11	Green Velvet Boxwood / Buxus 'Green Velvet'	5 gal	
BAY	37	Northern Bayberry / Myrica pensylvanica	24"-30"	
SGJ	15	Sea Green Juniper / Juniperus chinensis 'Sea Green'	18"-24"	
TARD	16	Tardiva Hydrangea / Hydrangea paniculata 'Tardiva'	5 gal	
ANNUALS/PERENNIALS				
AJS	20	Autumn Joy Sedum / Sedum 'Autumn Joy'	1 gal	
BBL	27	Big Blue Liriope / Liriope muscari 'Big Blue'	1 gal	
LE	16	Lamb's Ears / Stachys byzantina 'Silver Carpet'	1 gal	
FORBS				
GAX	212	Golden Alexander / Zizia aurea	2 qt	
PFPM	237	Party Favor Rose Mallow / Hibiscus lasiocarpus	1 gal	
SMW	434	Swamp Milkweed / Asclepias incarnata	2 qt	
NC	119	Wild Canna / Thalia dealbata	2 qt	
GRASSES				
MS	7	Maiden Grass / Miscanthus sinensis 'Gracillimus'	5 gal	
GROUND COVERS				
	1500	Happy Returns Daylily / Hemerocallis x 'Happy Returns'	1 qt	12" o.c.
NATIVE GRASSES				
	1200	Brown Fox Sedge / Carex vulpinoidea	Plug	12" o.c.
	633	Great Green Bulrush / Scirpus atrovirens	Plug	18" o.c.
	732	Morning Star Sedge / Carex grayi	Plug	18" o.c.

CHESTERFIELD AIRPORT RD.

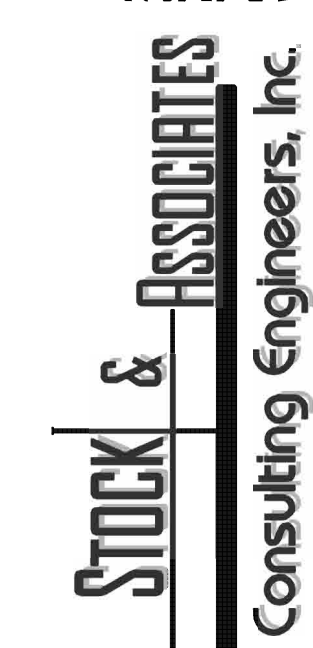


GANDER MOUNTAIN
 60,000 S.F.
 PR. LOT - 6.01 AC
 240 SPACES
 (4.0/1000)
 33.0% OPENSACE
 FF=466.75

ADJ LOT 1H
 262001 Sq. Ft.
 6.015 Acres±

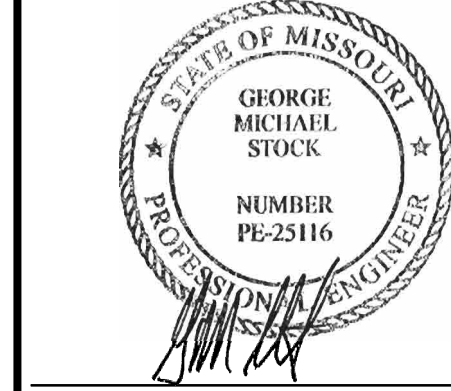
ADJ LOT 1G
 188091 Sq. Ft.
 4.318 Acres±

PREPARED BY:



SITE DEVELOPMENT SECTION PLANS FOR:
GANDER MOUNTAIN, LOT 1H
CHESTERFIELD BLUE VALLEY
 18491 OUTLET BLVD
 CHESTERFIELD
 MISSOURI

DATE: 03/13/15



GEORGE M. STOCK E-25116
 CIVIL ENGINEER
 CERTIFICATE OF AUTHORITY
 NUMBER: 000996

REVISIONS:

NO.	DESCRIPTION	DATE
1	Per City Comments	03/13/15

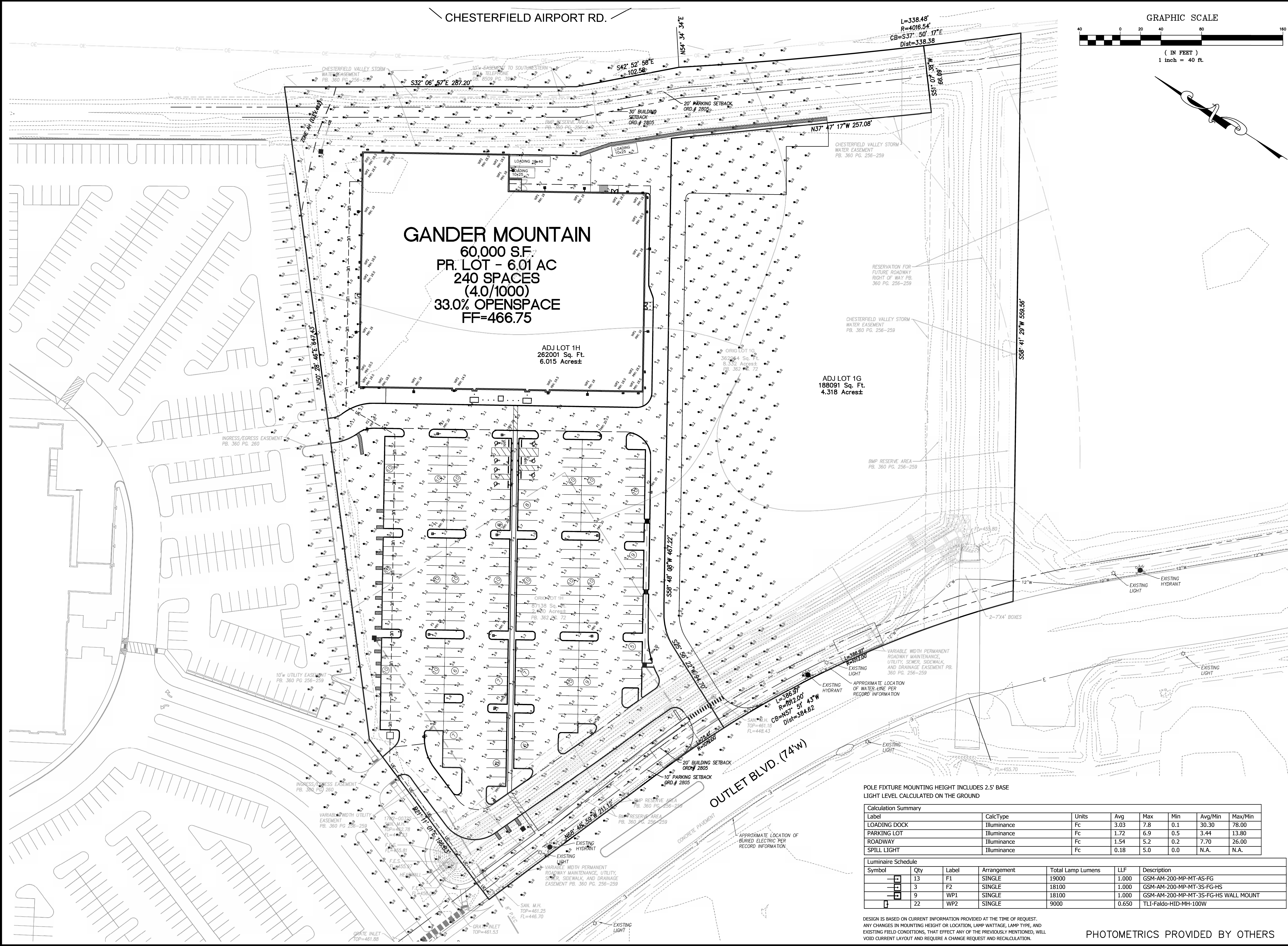
DRAWN BY:	E.J.F.	CHECKED BY:	G.M.S.
DATE:	02/18/15	JOB NO.:	215-5505
M.S.D. PR. #	-	BASE MAP #	17W2
S.L.C. MAT #	-	MAT SUP. #	-
MANR. #	-		

SHEET TITLE:

PHOTOMETRIC PLAN

SHEET NO.:

SDSP-3



POLE FIXTURE MOUNTING HEIGHT INCLUDES 2.5' BASE
 LIGHT LEVEL CALCULATED ON THE GROUND

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
LOADING DOCK	Illuminance	Fc	3.03	7.8	0.1	30.30
PARKING LOT	Illuminance	Fc	1.72	6.9	0.5	13.80
ROADWAY	Illuminance	Fc	1.54	5.2	0.2	7.70
SPILL LIGHT	Illuminance	Fc	0.18	5.0	0.0	N.A.

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
[Symbol]	13	F1	SINGLE	19000	1.000	GSM-AM-200-MP-MT-AS-FG
[Symbol]	3	F2	SINGLE	18100	1.000	GSM-AM-200-MP-MT-3S-FG-HS
[Symbol]	9	WP1	SINGLE	18100	1.000	GSM-AM-200-MP-MT-3S-FG-HS WALL MOUNT
[Symbol]	22	WP2	SINGLE	9000	0.650	TLI-Faldo-HID-MH-100W

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST.
 ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE, AND
 EXISTING FIELD CONDITIONS, THAT AFFECT ANY OF THE PREVIOUSLY MENTIONED, WILL
 VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.

PHOTOMETRICS PROVIDED BY OTHERS

FALDO HID

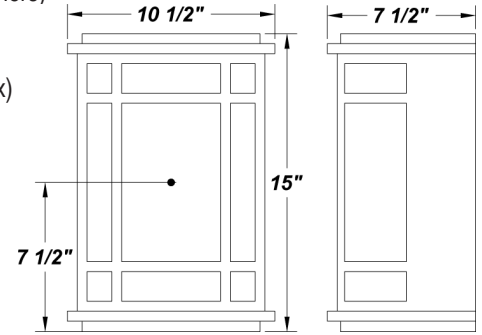


COMPACT FLUORESCENT & HID

PROJECT :
TYPE :
ORDERING # :
COMMENTS :

FEATURES

- Steel Housing w/ Textured Black Polyester Powder Coat Finish
- Steel Mounting Pan w/ Hi-Reflectance White Powder Coat Finish
- Solid Top & Bottom End Plates
- Luminous White Polycarbonate Panels
- Mounts Directly to 4" Junction Box (By Others)
- Mounting Hardware Included
- Lamps Included
- Integral EM Battery Available (1x32W Max)
- ETL Listed Wet Location
- Metal Halide Wattages Are CSA Listed For Wall Mounting



ORDERING INFORMATION

Example : (FLH132X - 120E - WPL - 41K)

Textured Black is Standard Finish

PRODUCT	SOURCE/WATTAGE	VOLTAGE	DIFFUSER	FINISH	OPTIONS
Faldo HID	FLH50MH - (1) 50W MH FLH70MH - (1) 70W MH FLH50 - (1) 50W HPS FLH70 - (1) 70W HPS FLH132X - (1) 32W TBX FLH142X - (1) 42W TBX FLH157X - (1) 57W TBX FLH232X - (2) 32W TBX FLH242X - (2) 42W TBX	<u>METAL HALIDE (MH)</u> 120V - 120V HPF 120H - MT HPF (Wired 120V) MTH - MT HPF (Wired 277V) 347V - 347V HPF <u>HPS</u> 120V - 120V HPF 120H - MT HPF (Wired 120V) MTH - MT HPF (Wired 277V) (MT - Multi-Tap) <u>FLUORESCENT (F)</u> 120E - 120V Electronic 277E - 277V Electronic	WPL - White Polycarbonate (Standard) The Following Are To Be Used With Fluorescent Wattages ONLY WAL - White Acrylic	SM - Matte Silver TB - Textured Black AC - Antique Copper AS - Antique Silver BT - Bronze Mist CP - Copper SN - Sand SW - Swedish Steel BZ - Textured Bronze TW - Textured White RAL Colors or Custom Match - Consult Factory	41K - 4100K Color Temp. (Standard) 35K - 3500K Color Temp. 27K - 2700K Color Temp. F - Fused PCL - Photocell DIM - Dimming Ballast (Electronic Only) TP - Tamper Resistant Screws EBW / EBC - Integral Emergency Battery** (1x32W Maximum) EBR - Remote Mount Battery (Field Installed) ** W2L - Wire 2 Lamps to Integral Emergency Battery (2x18W Max) MSP - Program Start Ballast (Recommended for Motion Sensor) ***

REPLACEMENT PARTS

PART NO.

White Polycarbonate Lens Panel Set	9800860
White Acrylic Lens Panel Set	9800960

We reserve the right to revise the design or components of any product due to parts availability or change in UL standards, without assuming any obligation or liability to modify any products previously manufactured, and without notice.

ARRA 2009



NOTES

*Fluorescent Only

**Emergency Battery Options

Initial light output in Emergency mode will last for a minimum of 90 minutes. 1 lamp wired unless ordered otherwise. The following are suitable for indoor and damp locations. Please refer to Bodine's specification sheet

EBW: Bodine's B94G (Electronic) - Temperature Rating (Ambient) 32° F - 131° F

EBC: Bodine's B4CF1 (Electronic) - Temperature Rating (Ambient) -4° F - 131° F

EBR: Bodine's B94CG (Electronic) - Temperature Rating (Ambient) 32° F - 122° F

*** For Electronic Wattage Fixtures Being Used in Conjunction With an Occupancy Sensor (Either Provided by us, or Your Own System), a Program Start Ballast is Recommended in Order to Maximize Lamp Life.

DESCRIPTION

Galleria's beauty and versatility make it an excellent choice for roadway and general area lighting applications. An aesthetic reveal in the formed aluminum housing gives the Galleria a distinctive look while a variety of mounting options and lamp wattages provide maximum flexibility.

Galleria's superior light distributions makes it the optimum choice for almost any small, medium or large area lighting application.

Catalog #	GSM-AM-200-MT-MT-3S-FG-HS	Type
Project	Gander Mountain	WP1
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

HOUSING: Formed aluminum housing with stamped reveal has interior-welded seams for structural integrity and is finished in premium TGIC polyester powder coat. U.L. listed and CSA certified for wet locations. **DOOR:** Formed aluminum door has heavy-duty hinges, captive retaining screws and is finished in premium TGIC polyester powder coat. (Spider mount unit has steel door.)

Electrical

BALLAST TRAY: Ballast tray is hard-mounted to housing interior for cooler operation.

Optical

REFLECTOR: Choice of 14 high efficiency optical systems utilizing horizontal and vertical lamp orientations. Optional high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution. Standard with mogul-base socket. All optical modules feature quick disconnect wiring plugs and are field rotatable in 90° increments. **LENS:** Convex tempered glass lens or flat glass.

Mounting

Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during assembly. Specify arm-included mounting for contractor-friendly single carton packaging of housing and arm.



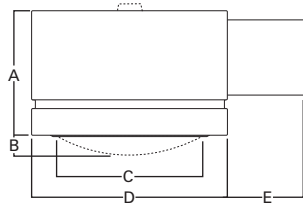
**GSM/GSL
GALLERIA
SQUARE**

**100 - 1000W
Pulse Start Metal Halide
High Pressure Sodium
Metal Halide**

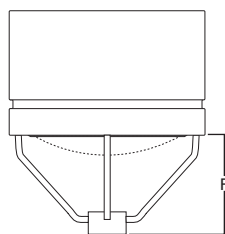
**ARCHITECTURAL AREA
LUMINAIRE**

DIMENSIONS

ARM MOUNT



SPIDER MOUNT



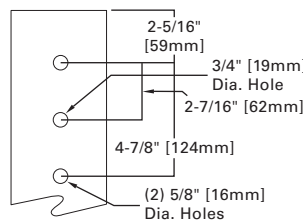
DIMENSIONAL DATA

Fixture	A	B	C	D	E	F
GSM	11" [279mm]	3-1/2" [89mm]	19-1/4" [480mm]	21-3/4" [552mm]	6" [152mm]	15" [381mm]
					14" [356mm]	16" [406mm]
GSL	14-1/2" [279mm]	4-1/4" [108mm]	25-7/8" [657mm]	27" [686mm]	6" [152mm]	18-3/4" [476mm]
					14" [356mm]	19-3/4" [502mm]

NOTE: Top cap used on GSM with 1000W flat glass vertically lamped optics only.

ARM DRILLING

TYPE "M"



ENERGY DATA

- CWA Ballast Input Watts**
 150W MP HPF (185 Watts)
 175W MP HPF (198 Watts) ©
 250W MP HPF (283 Watts) ©
 250W HPS HPF (295 Watts)
 400W MP HPF (452 Watts) ©
 400W HPS HPF (457 Watts)
 750W MP HPF (820 Watts)
 1000W MH HPF (1080 Watts)
 1000W HPS HPF (1100 Watts)

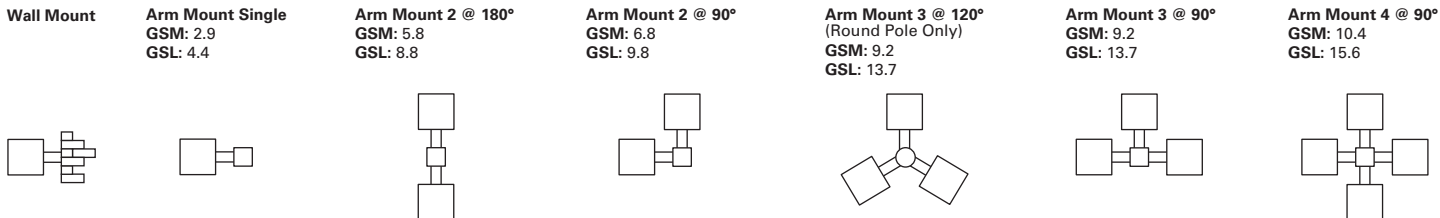
EPA

Effective Projected Area: (Sq. Ft.)
 [Without Arm]
GSM: 2.40 GSL: 3.90
[Spider Mount]
GSM: 2.86 GSL: 4.45

SHIPPING DATA

Approximate Net Weight:
GSM: 79 lbs. (36 kgs.)
GSL: 88 lbs. (40 kgs.)

MOUNTING CONFIGURATIONS AND EPAS



ORDERING INFORMATION

Sample Number: GSM-AM-400-MP-MT-3V-SG-BZ-L

Product Family	Mounting Method	Lamp Wattage ⁴	Lamp Type	Voltage ⁹	Distribution ⁶	Lens Type	Color ¹⁷	
GSM=Galleria Square Medium Square Large GSL=Galleria Square Large	Arm Mount AM=Arm Mount ¹ AIR=Arm Included for Round Pole ² AIS=Arm Included for Square Pole ² Spider Mount SM2=Spider Mount (3" O.D. Tenon) SM3=Spider Mount (3-1/2" O.D. Tenon) ³	Pulse Start Metal Halide 150=150W 175=175W 200=200W 250=250W 320=320W 350=350W 400=400W ⁵ 450=450W ⁶ 750=750W 875=875W 1000=1000W ⁷	High Pressure Sodium 100=100W 150=150W 250=250W 400=400W 750=750W 1000=1000W ⁷ Metal Halide ⁸ 175=175W 250=250W 400=400W 1000=1000W ⁷	MP=Pulse Start Metal Halide HPS=High Pressure Sodium MH=Metal Halide ⁸	120V=120V 208V=208V 240V=240V 277V=277V 347V=347V 480V=480V MT=Multi-Tap ¹⁰ TT=Triple-Tap ¹⁰ 5T=5-Tap ¹¹	Horizontal Lamp 1F=Type I Formed ¹² 2F=Type II Formed 2S=Type II Segmented ¹³ 3F=Type III Formed 3S=Type III Segmented ¹³ 4S=Type IV Segmented ¹³ 5S=Type v Segmented ¹³ FT=Forward Throw SL=Spill Light Eliminator ¹⁴ CA=Cutoff Asymmetric w/EHS Vertical Lamp AR=Area Round AS=Area Square 3V=Type III Vertical RW=Rectangular Wide ¹⁵	FG=Flat Glass ¹⁶ SG=Sag Glass	AP=Grey BZ=Bronze BK=Black WH=White DP=Dark Platinum GM=Graphite Metallic
Options (Add as Suffix)		Accessories (Order Separately) ²²						
CEC=California Title 20 Compliant Ballast (Applies to 175-320W and 400W MP Only) F=Single Fuse (120, 277 or 347V) FF=Double Fuse (208, 240 or 480V) L=Lamp Included EM=Quartz Restrike w/Delay ¹⁸ Q=Quartz Restrike ¹⁸ R=NEMA Twistlock Photocontrol Receptacle EHS=External Adjustable House Side Shield HS=House Side Shield ^{19,20} VS=Vandal Shield ²¹		GSM-EXTHS=External House Side Shield - 2.24 EPA GSL-EXTHS=External House Side Shield - 2.46 EPA MA1004XX=14" Arm for Square Pole - 1.0 EPA ²³ MA1005XX=6" Arm for Square Pole - 0.5 EPA MA1006XX=Direct Mount Kit for Square Pole MA1007XX=14" Arm for Round Pole - 1.0 EPA ²³ MA1008XX=6" Arm for Round Pole - 0.5 EPA MA1009XX=Direct Mount Kit for Round Pole MA1029XX=Wall Mount Bracket with 10" Arm MA1208XX=11-1/2" Arm and Round Pole Adapter - 0.8 EPA OA1066XX=Mast Arm Adapter MA1010XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1011XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1012XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1013XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon				MA1014XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1015XX=2@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1016XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1017XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1018XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1019XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1045XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1048XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1049XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1061=House Side Shield for GSM - Field Installed ²⁴ MA1062=House Side Shield for GSL - Field Installed ²⁴ OA/RA1016=NEMA Twistlock Photocontrol - Multi-Tap OA/RA1027=NEMA Twistlock Photocontrol - 480V OA/RA1201=NEMA Twistlock Photocontrol - 347V		

- Notes:**
1. Arm not included. See Accessories.
 2. Arm length varies based on housing size: 11-1/2" for GSM and 14" for GSL.
 3. Available on GSL housing only.
 4. Standard with mogul-base lamp sockets. Wattage availability varies by housing size, see wattage table.
 5. Requires reduced envelope ED-28 lamp when used with GSM housing and flat glass vertically lamped optics.
 6. 450W Pulse start metal halide only available in vertical lamp orientations (AR, AS, 3V or RW distributions).
 7. Requires reduced envelope BT-37 lamp when used with GSM housing.
 8. 175, 250 and 400W Metal halide available for non-US markets only.
 9. Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information.
 10. Multi-Tap ballast is 120/208/240/277V wired 277V. Triple-Tap ballast is 277/347/480V wired 347V.
 11. 5-Tap ballast is 120/208/240/277/480V wired 480V. Only available in 400-1000W.
 12. Medium housing fixture only.
 13. Maximum wattage on segmented optical distributions is 400W. 400W Metal Halide lamp must use reduced envelope ED-28 lamp. Not available in GSL housing.
 14. Must use reduced envelope lamp, not available in GSL housing.
 15. RW optic not available with flat glass.
 16. 1000W GSL with flat glass requires BT-37 lamp and is not available in AS, RW, SL or 3V distributions.
 17. Other finish colors available, including a full line of RAL color matches. Consult your Eaton's Cooper Lighting business representative.
 18. Quartz options not available with SL optics.
 19. House side shield not available with 5S, RW, AS, AR, SL and CA optics.
 20. Not available in 1000W.
 21. Arm mount only, 400W maximum.
 22. Replace XX with color suffix.
 23. Use for mounting fixtures at 90° increments.
 24. Compatible with sag lens vertical optics only.