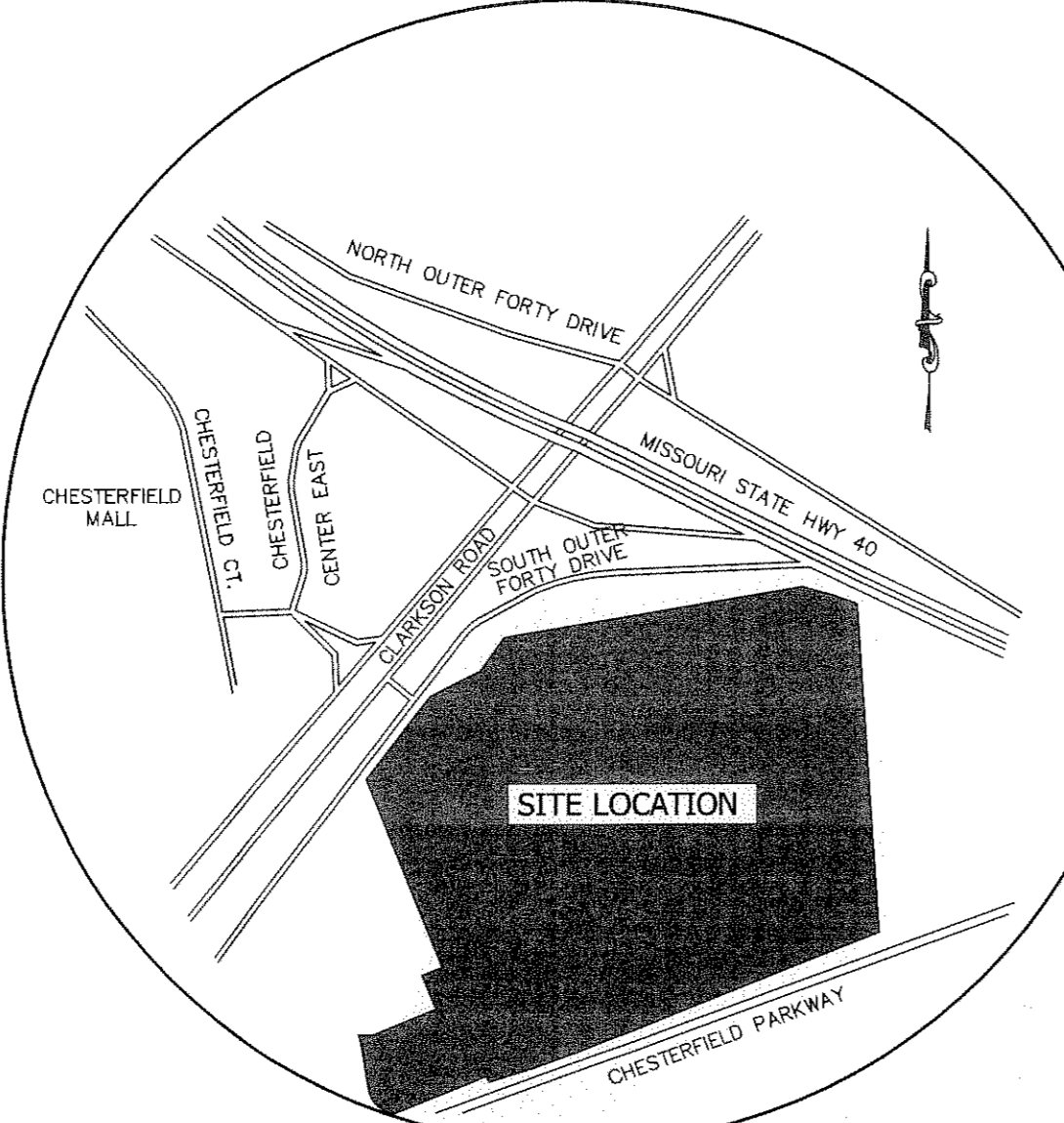


Property Description  
Total Tract

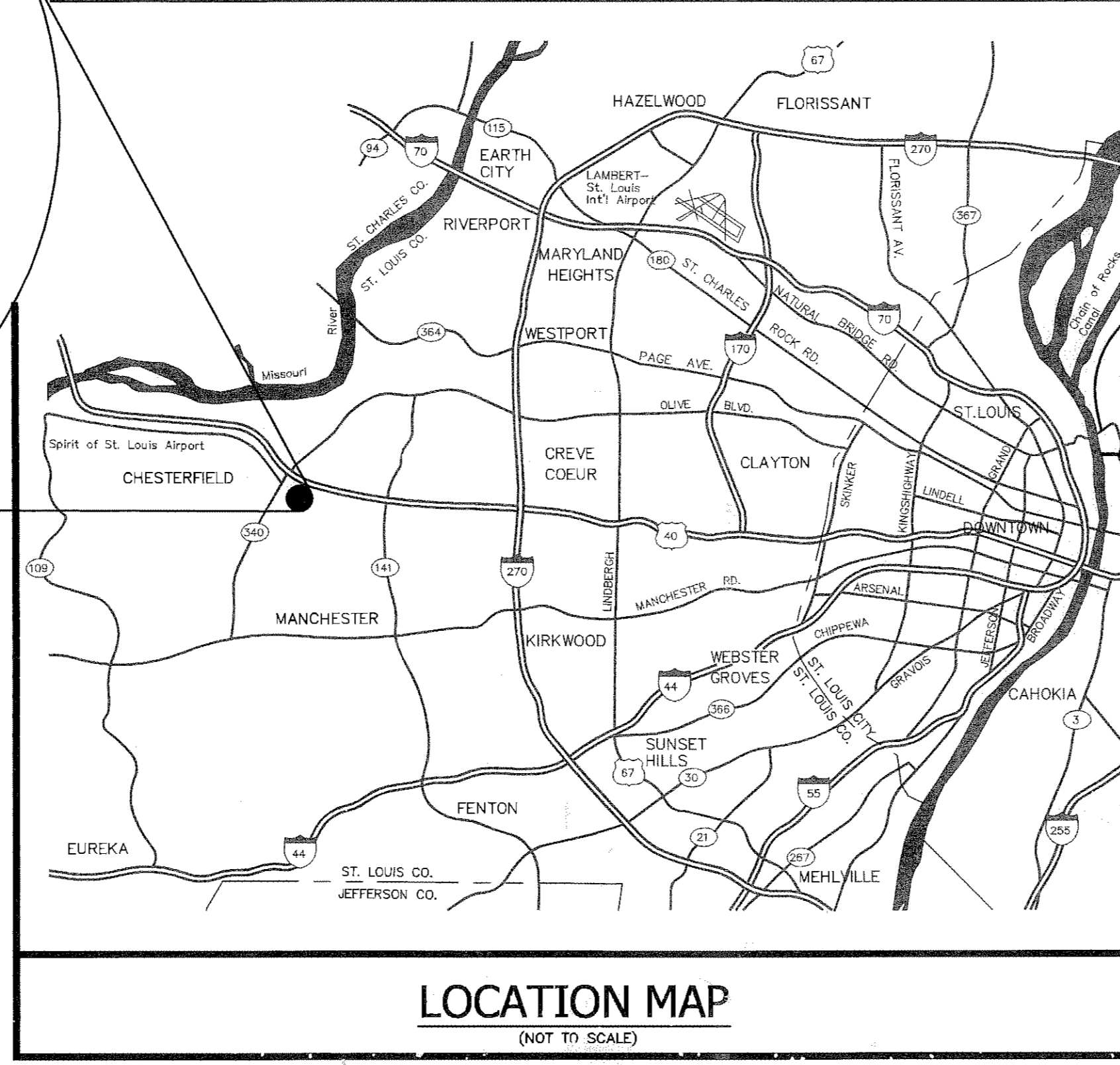
A tract of land being all of Lot C704B of the plat of a "Resubdivision of Adjusted Lot A of A Boundary Adjustment Plat of Lots 2 and 3 of a Resubdivision of Lot 2 and Part of Lot 3 of Elbridge Payne Office Park" as recorded in Plat Book 356, Page 281 of the St. Louis County, Missouri Records and Lot 1-B of "A Resubdivision of Lot 1 of Elbridge Payne Office Park" as recorded in Plat Book 202, Page 58 of the aforesaid Records and part Lots 1, 2 and 3 of Humphrey's Estate, and being part of U.S. Survey 2002 in Township 45 North, Range 4 East of the Fifth Principal Meridian, City of Chesterfield, St. Louis County, Missouri and being more particularly described as follows:

BEGINNING at the Southeast corner of Lot C704B of the plat of a "Resubdivision of Adjusted Lot A of A Boundary Adjustment Plat of Lots 2 and 3 of a Resubdivision of Lot 2 and Part of Lot 3 of Elbridge Payne Office Park" as recorded in Plat Book 356, Page 281 of the St. Louis County, Missouri Records; thence along the Western line of said Lot C704B the following: thence North 18 degrees 04 minutes 50 seconds West, a distance of 81.84 feet to a point; thence South 72 degrees 05 minutes 32 seconds West, a distance of 5.40 feet to a point; thence North 17 degrees 40 minutes 54 seconds West, a distance of 19.00 feet to a point; thence North 72 degrees 05 minutes 32 seconds East, a distance of 5.18 feet to a point; thence North 18 degrees 04 minutes 01 seconds West, a distance of 41.00 feet to a point; thence South 71 degrees 58 minutes 14 seconds West, a distance of 2.24 feet to a point; thence North 17 degrees 55 minutes 32 seconds West, a distance of 19.00 feet to a point; thence North 71 degrees 28 minutes 37 seconds East, a distance of 14.62 feet to a point; thence North 20 degrees 17 minutes 13 seconds West, a distance of 46.39 feet to the Northwest corner of said Lot C704B; thence along the Northwest line of said Lot North 69 degrees 26 minutes 00 seconds East, a distance of 31.28 feet to a point; thence North 30 degrees 56 minutes 30 seconds East, a distance of 91.19 feet to a point; thence along a curve to the right having a radius of 15.00 feet, an arc length of 7.10 feet, and a chord which bears North 44 degrees 30 minutes 06 seconds East, a chord distance of 7.03 feet to a point; thence North 58 degrees 03 minutes 52 seconds East, a distance of 151.79 feet to the Western line of Elbridge Payne Road; thence along said Western line in a Southerly direction along a curve to the right having a radius of 259.50 feet, an arc length of 47.66 feet, and a chord which bears South 14 degrees 41 minutes 03 seconds East, a chord distance of 47.59 feet to a point; thence North 80 degrees 34 minutes 38 seconds East, a distance of 31.00 feet to a point; thence leaving said Western line North 80 degrees 34 minutes 45 seconds East, a distance of 46.02 feet to a point on the Eastern line of said Elbridge Payne Road; said point being the Northwest corner of Lot 1-B of "A Resubdivision of Lot 1 of Elbridge Payne Office Park" as recorded in Plat Book 202, Page 58 of the aforesaid Records; thence along the Northern line of said Lot 1-B North 72 degrees 30 minutes 01 seconds East, a distance of 200.00 feet to a point; thence North 17 degrees 29 minutes 59 seconds West, a distance of 107.00 feet to a point; thence North 72 degrees 30 minutes 01 seconds East, a distance of 60.95 feet to the Northeast Corner of said Lot 1-B; said point being on the Eastern line of Lot 2 of Humphrey's Estate; thence along said East line North 17 degrees 30 minutes 03 seconds West, a distance of 322.07 feet to a point; thence leaving said East line South 72 degrees 24 minutes 12 seconds West, a distance of 432.72 feet to the Southeastern line of Elbridge Payne Road; thence along said Southeastern line and the Southern line of the South Outer Forty Road the following North 31 degrees 16 minutes 04 seconds East, a distance of 246.85 feet to a point; thence North 42 degrees 19 minutes 35 seconds East, a distance of 285.80 feet to a point; thence North 42 degrees 27 minutes 06 seconds East, a distance of 313.15 feet to a point; thence North 67 degrees 45 minutes 17 seconds West, a distance of 170.35 feet to a point; thence North 39 degrees 41 minutes 17 seconds East, a distance of 125.00 feet to a point; thence North 84 degrees 15 minutes 17 seconds East, a distance of 38.00 feet to a point; thence North 84 degrees 28 minutes 27 seconds East, a distance of 876.80 feet to a point; thence South 70 degrees 04 minutes 45 seconds East, a distance of 100.00 feet to a point; thence South 67 degrees 12 minutes 53 seconds West, a distance of 74.15 feet to the Northeast corner of Schoettler Village Plat One, a subdivision filed for record in Plat Book 172, Page 68 of the aforesaid Records; thence along the Western line of said Schoettler Village Plat One South 00 degrees 22 minutes 30 seconds West, a distance of 1066.73 feet to the Northern line of Chesterfield Parkway East; thence along said Northern line the following South 72 degrees 24 minutes 10 seconds West, a distance of 905.65 feet to a point; thence South 72 degrees 24 minutes 10 seconds West, a distance of 72.86 feet to a point; thence along a curve to the right having a radius of 2831.79 feet, an arc length of 289.94 feet, and a chord which bears South 75 degrees 20 minutes 09 seconds West, a chord distance of 289.81 feet to a point; thence North 17 degrees 30 minutes 03 seconds West, a distance of 17.33 feet to a point; thence South 72 degrees 31 minutes 02 seconds West, a distance of 246.65 feet to a point; thence South 75 degrees 01 minutes 28 seconds West, a distance of 241.72 feet to a point; thence South 67 degrees 28 minutes 24 seconds West, a distance of 114.31 feet to the Point of Beginning and containing 1,888,710 square feet or 43.35 acres more or less as per calculations by Stock & Associates Consulting Engineers, Inc. during February, 2013.



GENERAL NOTES

- 1. BOUNDARY SURVEY PREPARED BY STOCK & ASSOCIATES DATED DECEMBER 2012. TOPOGRAPHIC SURVEY IS A COMBINATION OF GROUND AND AERIAL DATED DECEMBER 2012.
2. ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
3. NO GRADE SHALL EXCEED 3:1 SLOPE.
4. PARKING CALCULATIONS: VCC = 123,466 G.S.F. MINIMUM: 3.5/1000 S.F. 3.5\*123.5 = 433 SPACES MAXIMUM: 4.5/1000 S.F. 4.5\*123.5 = 556 SPACES
PARKING BASED ON VCC ANALYSIS PROVIDED BY MERCY/FORUM 408 PARKING SPACES (10/31/13)
PARKING PROVIDED = 409 SPACES (INCLUDES 10 H.C. SPACES)
LOADING SPACES REQUIRED = 2 (10\*25') & 1 (10\*40')
LOADING SPACES PROVIDED = 1 (10\*60')
EXISTING BUILDING @ 1350 ELBRIDGE PAYNE ROAD = 23,900 G.S.F. MINIMUM: 3.5/1000 S.F. 3.5\*23.9 = 84 SPACES PARKING PROVIDED = 84 SPACES (INCLUDES 4 H.C. SPACES)
5. F.A.R. = 0.07
6. OPEN SPACE CALCULATIONS: TOTAL LOT AREA = 1,888,756 S.F. = 43.35 AC. EXISTING BUILDINGS = 16,048 S.F./LOT = 0.85% EXISTING PAVEMENT = 26,226 S.F./LOT = 1.39% PROPOSED BUILDING = 38,400 S.F./LOT = 2.03% PROPOSED PAVEMENT = 166,762 S.F./LOT = 8.83% OPEN SPACE = 1,888,756 - 247,446/1,888,756 = 86.90%
7. GRADING AND STORM WATER PER M.S.D. AND THE CITY OF CHESTERFIELD MISSOURI.
8. STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT.
9. SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN) ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR ST. LOUIS COUNTY, MISSOURI AND INCORPORATED AREAS. THE MAP IS IDENTIFIED AS MAP NO. 29189C0145 H WITH AN EFFECTIVE DATE OF AUGUST 2, 1995.
10. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF SIGNAGE. SIGN APPROVAL IS A SEPARATE PROCESS.
11. ALL PROPOSED UTILITIES SHALL BE INSTALLED UNDERGROUND.
12. DEVELOPER IS REQUIRED TO ESCROW THE IMPROVEMENTS AT SOUTH OUTER 40 AS SHOWN IN THE APPROVED TRAFFIC STUDY.
13. ALL SIDEWALKS AND ASSOCIATED ACCESSIBILITY IMPROVEMENTS WITHIN ST. LOUIS COUNTY JURISDICTION SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY ADA STANDARDS.
14. ACCESS TO MERCY CAMPUS DRIVE WILL MEET THE CITY'S ACCESS MANAGEMENT REQUIREMENTS.
15. PUBLIC ART LOCATIONS WILL BE INCLUDED ON THE INDIVIDUAL SITE DEVELOPMENT SECTION PLANS FOR THE CAMPUS. NO PUBLIC ART IS PROPOSED AS PART OF THIS PROJECT.

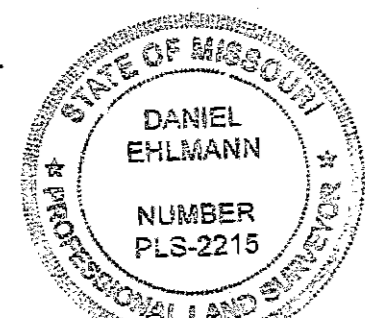


LOCATION MAP (NOT TO SCALE)

SURVEYORS CERTIFICATION

This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this Site Development Section Plan from an actual survey. The information shown is a correct representation of all existing and proposed land divisions.

STOCK AND ASSOCIATES CONSULTING ENGINEERS INC. L.S. No. 222-D Daniel Ehlmann, Missouri L.S. No. 2215



LEGEND

- ELECTRIC MANHOLE
EXISTING SANITARY SEWER
EXISTING STORM SEWER
EXISTING TREE
EXISTING BUILDING
EXISTING CONTOUR
SPOT ELEVATION
EXISTING UTILITIES
PROPOSED CONTOUR
PROPOSED SPOT
PROPOSED STORM SEWER
PROPOSED SANITARY SEWER
FIRE HYDRANT
LIGHT STANDARD
BUSH
SIGN
NOTES PARKING SPACES
GUY WIRE
POWER POLE
WATER MANHOLE
WATER VALVE
DENOTES RECORD INFORMATION
HANDICAPPED PARKING
PHONE MANHOLE
WATER LINE
CONCRETE
ASPHALT
POLYVINYL CHLORIDE
DENOTES WITH TRANSFORMER
SANITARY
CHAIN-LINK FENCE
TRAFFIC FLOW
SAWCUT
MONARCH TREE

ABBREVIATIONS

- W - WATER
E - ELECTRIC
OE - OVERHEAD ELECTRIC
UE - UNDERGROUND ELECTRIC
G - GAS
T - TELEPHONE CABLE
T.B.R. - TO BE REMOVED
T.B.R.&R. - TO BE REMOVED AND REPLACED
U.I.P. - USE IN PLACE
T.B.A. - TO BE ADJUSTED
B.C. - BACK OF CURB
F.C. - FACE OF CURB
TW - TOP OF WALL
BW - BOTTOM OF WALL
P.V.M. - PAVEMENT
ASPH - ASPHALT
CONC - CONCRETE
GRND - GROUND
FG - FINISHED GRADE
FF - FINISHED FLOOR
LL - LOWER LEVEL
TY - TYPICAL
TC - TOP OF CURB
O.C. - ON CENTER
E.W. - EACH WAY
DB - DEED BOOK
PB - PLAT BOOK
PC - PAGE
(W) - RIGHT-OF-WAY WIDTH
(REC) - RECORD INFORMATION
N/F - NOW OR FORMERLY
FND - FOUND
SQ - SQUARE
C.O. - CLEANOUT
M.H. - MANHOLE
A.I. - AREA INLET
C.I. - CURB INLET
G.I. - GATE INLET
Y.D. - YARD DRAIN
P.V.C. - POLYVINYL CHLORIDE PIPE
R.C.P. - REINFORCED CONCRETE PIPE
V.C.P. - VETRIFIED CLAY PIPE
FL - FLOWLINE
TS - TALLSTAKE
ELEV - ELEVATION
PROP - PROPOSED
PR - PROPOSED
EXIST - EXISTING
EX - EXISTING
RD - ROOF DRAIN
M.L.D. - MAJOR LAND DISTURBANCE

ST. LOUIS COUNTY BENCHMARK

12-165 - ELEV. 646.98
"STANDARD ALUMINUM DISK" STAMPED SL-31, SET ALONG THE WEST SIDE OF ELBRIDGE DRIVE; ACROSS THE NORTH DRIVE OF FIRST NATIONAL BANK, APPROX. 100' SOUTH OF STRECKER RD. & MCBRIDE POINTE DR.

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND

UTILITY NOTE

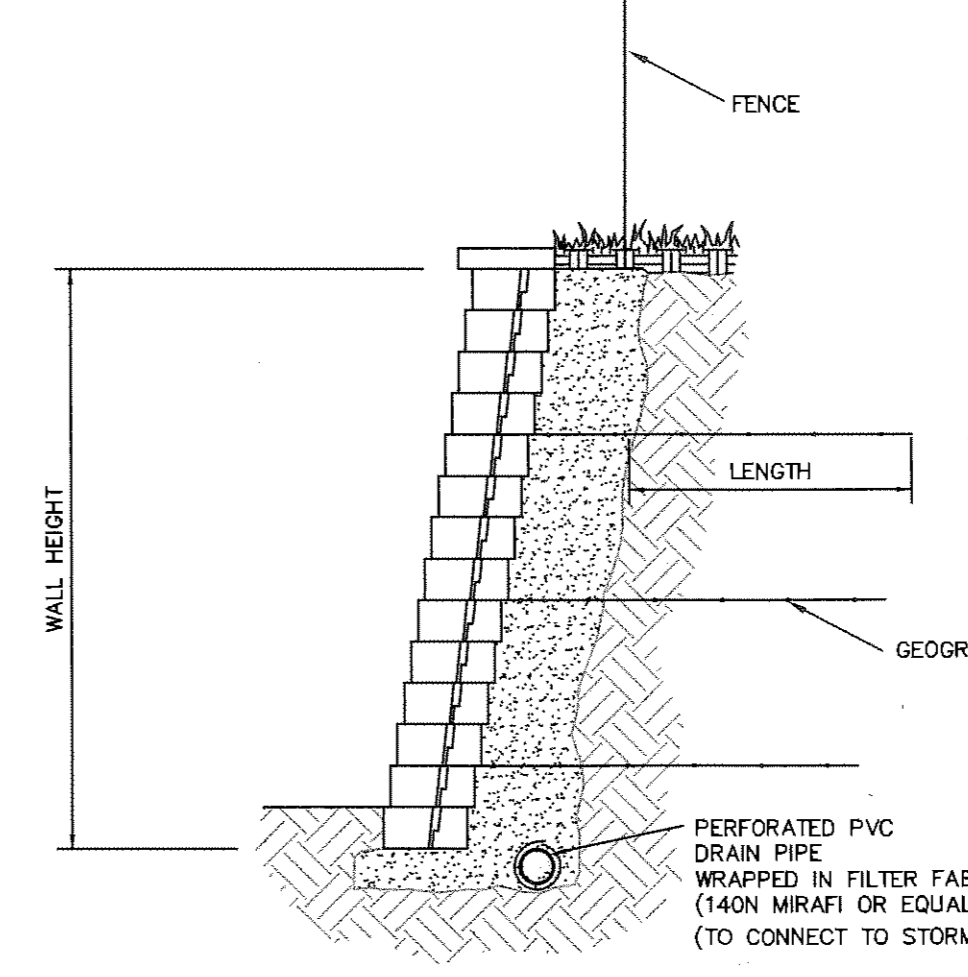
UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 R.S.M.O.

PERTINENT DATA

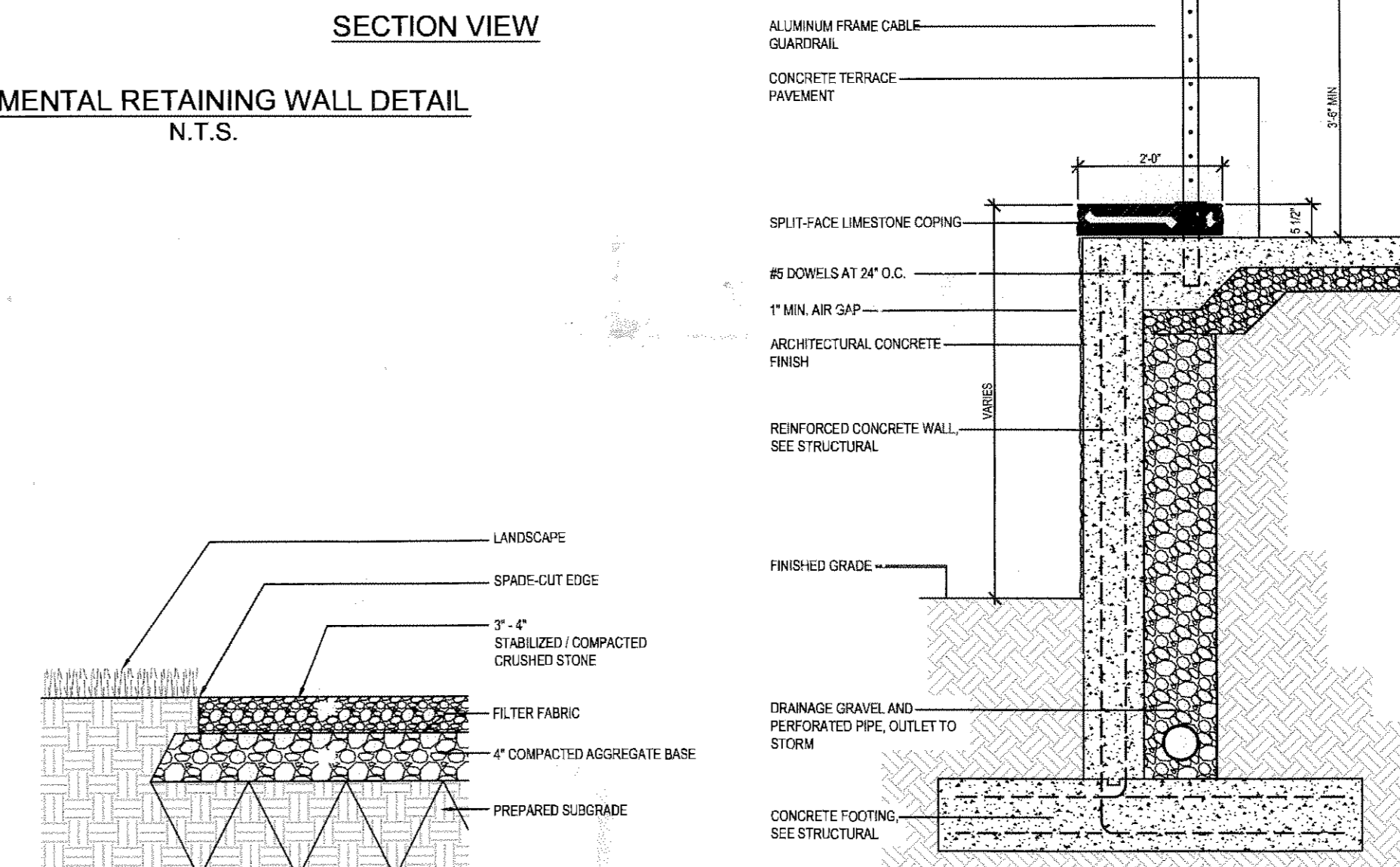
- OWNER = MERCY HEALTH
SITE ADDRESS = 15564 SOUTH OUTER 40 ROAD
PROPOSED ZONING = "UC"-URBAN CORE DISTRICT
SITE ACREAGE = 43.35 Acres ±
FIRE DISTRICT = MONARCH
SEWER DISTRICT = M.S.D.
WATER SHED = CREVE COEUR CREEK
WATER SERVICE = MISSOURI-AMERICAN WATER COMPANY
GAS SERVICE = LACLEDE GAS COMPANY
ELECTRIC SERVICE = AMEREN UE ELECTRIC COMPANY
PHONE SERVICE = AT&T

SHEET INDEX

- C1 TITLE SHEET
C2 EXISTING CONDITIONS
C3 OVERALL SITE PLAN
C4 SITE DEVELOPMENT SECTION PLAN
C5 SITE DEVELOPMENT SECTION PLAN
1 TREE STAND DELINEATION
2 TREE PROTECTION PLAN
3 TREE PROTECTION PLAN
L1 LANDSCAPE PLAN
E1 SITE PHOTOMETRIC PLAN

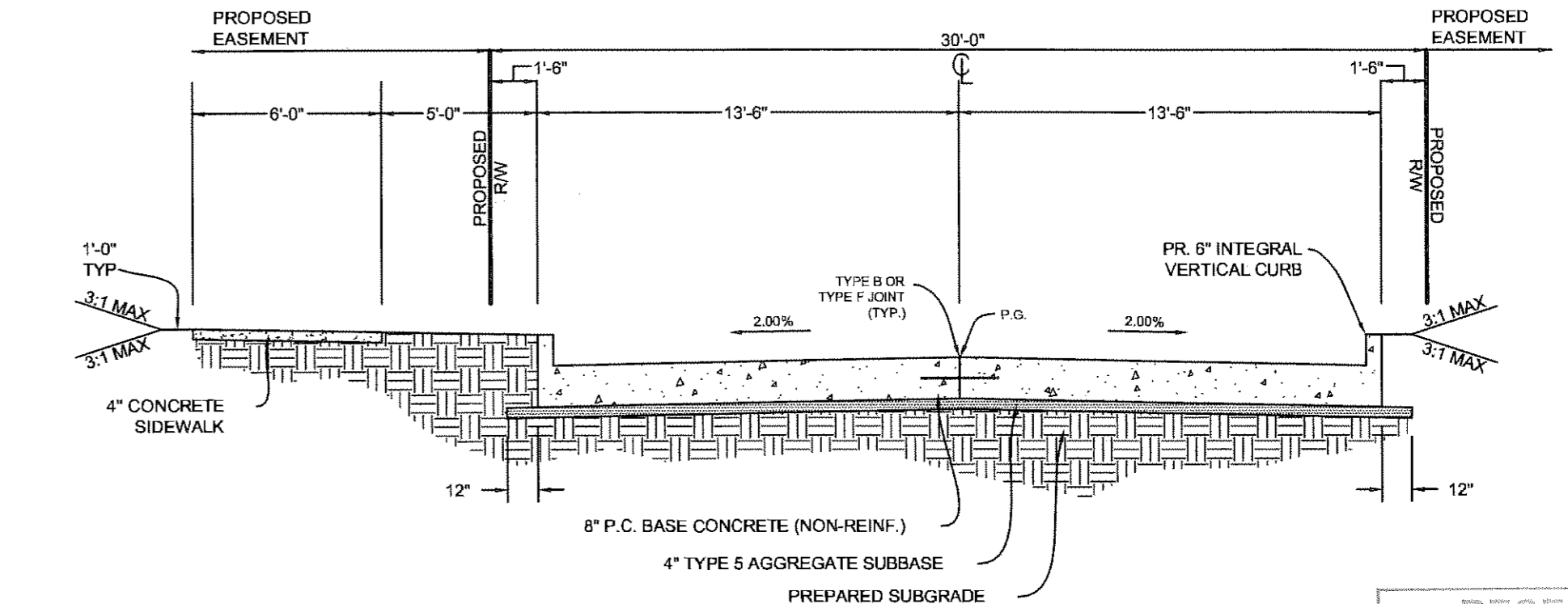


SEGMENTAL RETAINING WALL DETAIL N.T.S.



STONE PATH DETAIL N.T.S.

TERRACE RETAINING WALL DETAIL N.T.S.

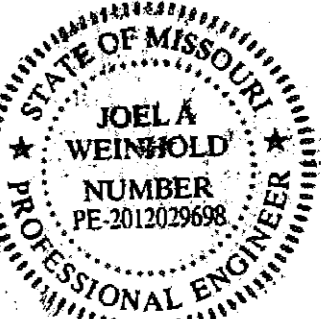
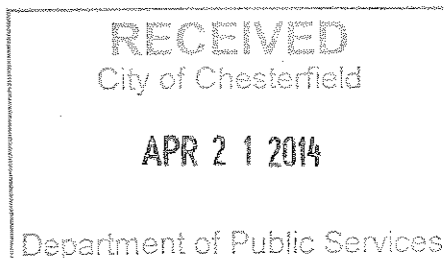


MERCY CAMPUS DRIVE TYPICAL 2 LANE SECTION

GEOTECHNICAL STATEMENT

Geotechnology Inc., at the request of Clayo Inc., has provided geotechnical services for the project proposed hereon. A subsurface exploration was conducted during June 2012 for the development proposed hereon. Our preliminary findings indicate that the earth-related aspects are suitable for the development proposed pursuant to the geotechnical recommendations set forth in our August 1, 2012 report titled "Subsurface Exploration Mercy Health Campus Chesterfield Parkway East Chesterfield, Missouri" Geotechnology, Inc. Project No. 40184-02.

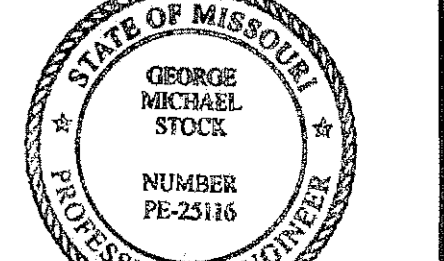
Geotechnology must be involved during the construction phase to determine that subsurface conditions are as anticipated and that recommendations relative to construction are implemented.



STOCK & ASSOCIATES Consulting Engineers, Inc. 257 Chesterfield Business Parkway St. Louis, MO 63103 Phone: (636) 530-9130 Fax: (636) 530-9130 e-mail: general@stockassoc.com Web: www.stockassoc.com

PREPARED BY: SITE DEVELOPMENT SECTION PLAN FOR: MERCY VIRTUAL CARE CENTER CHESTERFIELD HEALTH CAMPUS CITY OF CHESTERFIELD, MISSOURI

OWNER: MERCY HEALTH SYSTEM 14528 South Outer Forty, Suite 100, Chesterfield, MO 63017 Attn: Terry F. Bader Phone: 314-628-3556



04/21/14 GEORGE M. STOCK E-25116 CIVIL ENGINEER CERTIFICATE OF AUTHORITY NUMBER: 000996

Table with columns: #, DESCRIPTION, DATE. Row 1: CITY SUBMITTAL, 11/22/13. Row 2: REVISED PER CITY COMMENT, 01/17/14. Row 3: REVISED PER CITY COMMENT, 02/21/14. Row 4: REVISED PER CITY COMMENT, 03/21/14. Row 5: 21 SETS TO CITY, 04/21/14.

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

DRAWN BY: J.E.F. CHECKED BY: G.M.S. DATE: 11/22/13 JOB NO: 211-4821 WED 7:30 BASE MAP: 185 & 195 SHEET TITLE: 185 & 195

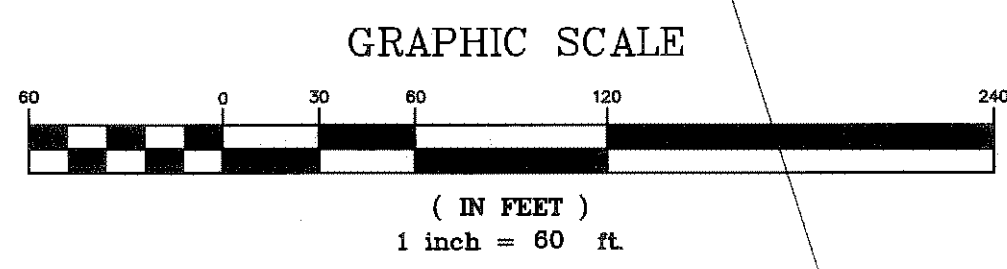
TITLE SHEET SHEET NO: C1

PREPARED FOR: Mercy Health System 14528 South Outer Forty, Suite 100 Chesterfield, MO 63017 PH. (314) 628-3575

CLAYCO THE ART & SCIENCE OF BUILDING CLAYCO INC. 2199 Innertball Business Center Drive St. Louis, MO 63114 PH 314.429.5100 Fx 314.429.3185

FORUM STUDIO 2199 Innertball Business Center Drive St. Louis, MO 63114 PH 314.429.1010 Fx 314.429.7770

VERTICAL SCALE: 1"=10' HORIZONTAL SCALE: 1"=40'



PROPOSED TYPE II MOVABLE BARRICADE W/ ROAD CLOSED SIGNS MOUNTED ON FACE. SEE DETAIL ON SHEET C6.  
ROAD CLOSED SIGN TO BE R111-2 48"X30"

APPROXIMATE LOCATION OF GAS LINE PER RECORD INFORMATION  
APPROXIMATE LOCATION OF WATER LINE PER RECORD INFORMATION

EASEMENT TO ST. LOUIS ON WATER D.B. 7160 PG. 1679

APPROXIMATE LOCATION OF 10" W. EASEMENT TO M.S.D. D.B. 7615 PG. 2684

**LOT C702**  
P.B. 356 PG. 281

N/E  
CHESTERFIELD PAYNE CORP.  
D.B. 7183 PG. 1442  
LOC.# 195440567

**LOT C704A**  
P.B. 356 PG. 281

N/E  
CHESTERFIELD PAYNE CORP.  
D.B. 10024 PG. 1386  
LOC.# 195440578

**TOTAL TRACT**  
1,817,088 SQ. FT.  
41.714 AC.

**LOT 1**  
1,724,638 SQ. FT.  
40.281 AC.

"SCHOETTLER VILLAGE"  
"PLAT ONE"  
P.B. 172 PG. 68

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@stockassoc.com  
web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:  
**MERCY VIRTUAL CARE CENTER**  
**CHESTERFIELD HEALTH CAMPUS**

CITY OF CHESTERFIELD  
ST. LOUIS COUNTY, MISSOURI

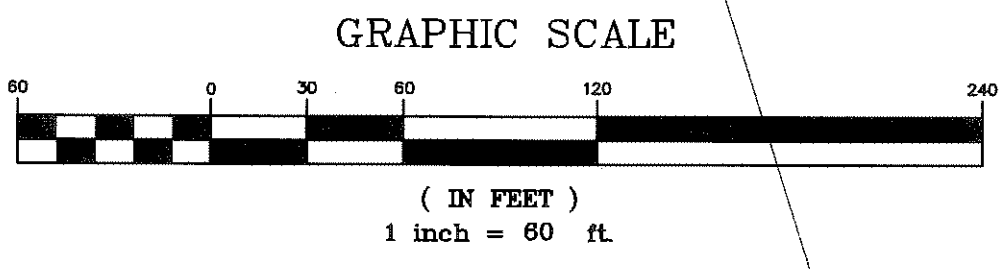
OWNER:  
**MERCY HEALTH SYSTEM**  
14528 South Outer Forty,  
Suite 100  
Chesterfield, MO 63017  
Attn: Terry F. Bader  
Phone: 314-628-3656

STATE OF MISSOURI  
GEORGE M. STOCK  
MICHAELE STOCK  
NUMBER PE-25116  
PROFESSIONAL ENGINEER

04/21/14  
E-25116  
GEORGE M. STOCK  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000906

DRAWING ISSUE		
#	DESCRIPTION	DATE
1	CITY SUBMITTAL	11/22/13
2	REVISED PER CITY COMMENT	01/17/14
3	REVISED PER CITY COMMENT	02/21/14
4	REVISED PER CITY COMMENT	03/17/14
5	REVISED PER CITY COMMENT	03/21/14
6	SET TO CITY	04/21/14

DRAWN BY: J.E.F. CHECKED BY: G.M.S.  
DATE: 11/22/13 JOB NO: 211-4821  
SHEET NO: 18S & 19S  
SHEET TITLE: EXISTING CONDITIONS PLAN  
SHEET NO: C2



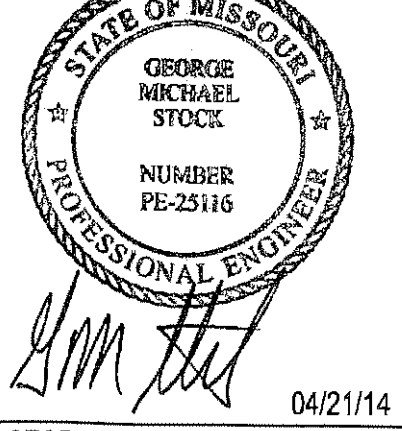
NOTE:  
THE SOUTHERNMOST ENTRANCE FOR THE VCC,  
ALSO REFERRED TO AS PHASE 1A, SHALL BE  
REMOVED WHEN PHASE 4 IS CONSTRUCTED.



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@stockassoc.com  
www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:  
**MERCY VIRTUAL CARE CENTER  
CHESTERFIELD HEALTH CAMPUS**  
CITY OF CHESTERFIELD  
ST. LOUIS COUNTY, MISSOURI

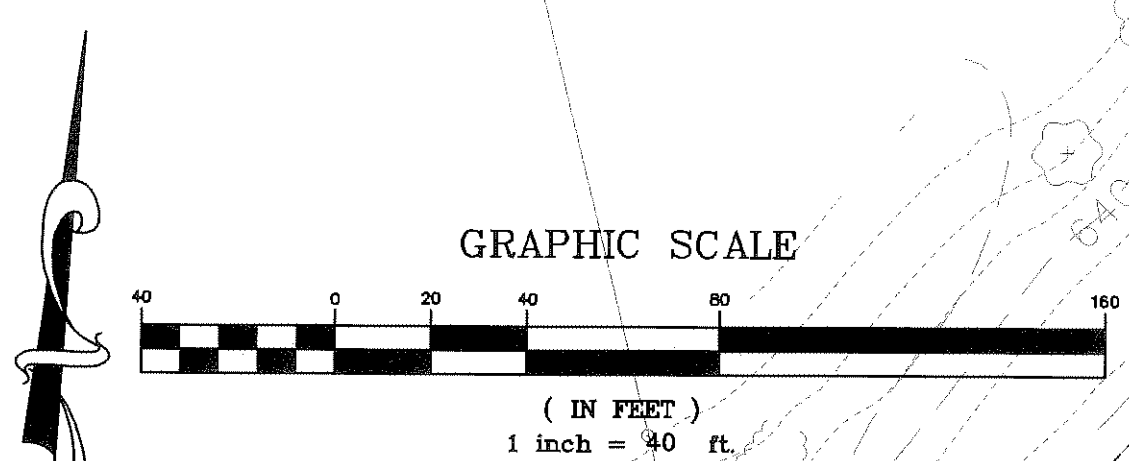
OWNER:  
**MERCY HEALTH SYSTEM**  
14528 South Outer Forty,  
Suite 100  
Chesterfield, MO 63017  
Attn: Terry F. Boder  
Phone: 314-628-3656



DATE: 04/21/14  
DRAWN BY: J.E.F.  
CHECKED BY: G.M.S.DATE: 11/22/13  
JOB NO: 211-4821  
BASE MAP: 18S & 19S

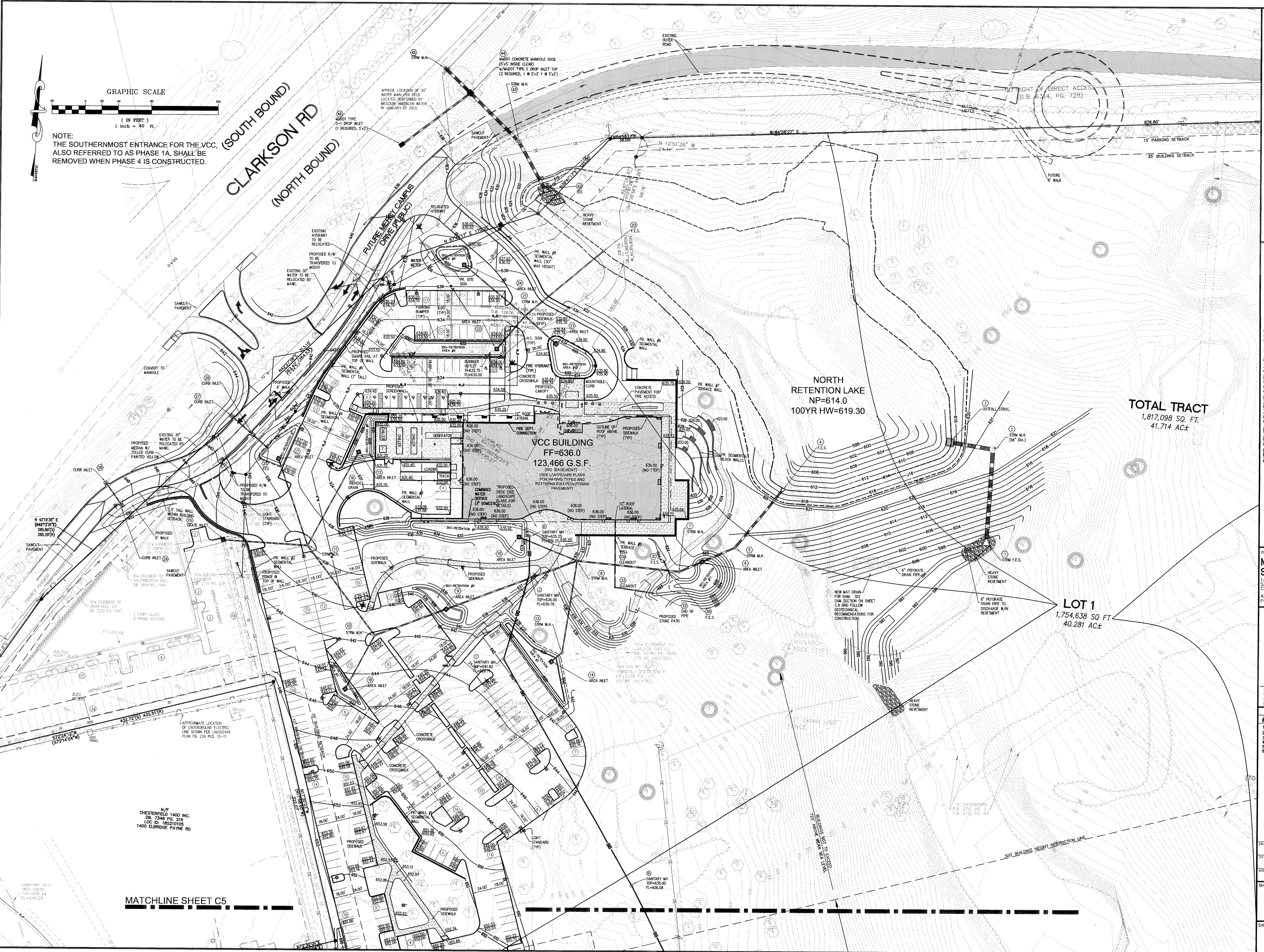
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1	CITY SUBMITTAL	11/22/13
2	REMOVED PER CITY COMMENT/17/14	
3	REMOVED PER CITY COMMENT/21/14	
4	REMOVED PER CITY COMMENT/17/14	
5	REMOVED PER CITY COMMENT/21/14	
6	21 SETS TO CITY	04/21/14

OVERALL SITE PLAN  
SHEET NO.: C3



NOTE:  
THE SOUTHERNMOST ENTRANCE FOR THE VCC,  
ALSO REFERRED TO AS PHASE 1A, SHALL BE  
REMOVED WHEN PHASE 4 IS CONSTRUCTED.

(SOUTH BOUND)  
**CLARKSON RD**  
(NORTH BOUND)

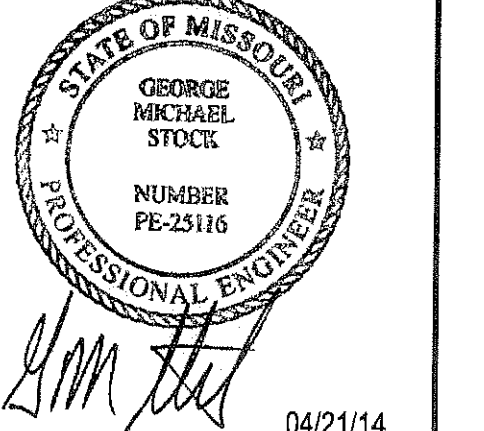


MATCHLINE SHEET C5

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@stockassoc.com  
Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:  
**MERCY VIRTUAL CARE CENTER**  
**CHESTERFIELD HEALTH CAMPUS**

OWNER:  
**MERCY HEALTH SYSTEM**  
14526 South Outer Forty,  
Suite 100  
Chesterfield, MO 63017  
Attn: Terry F. Bader  
Phone: 314-628-3656



04/21/14  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000996

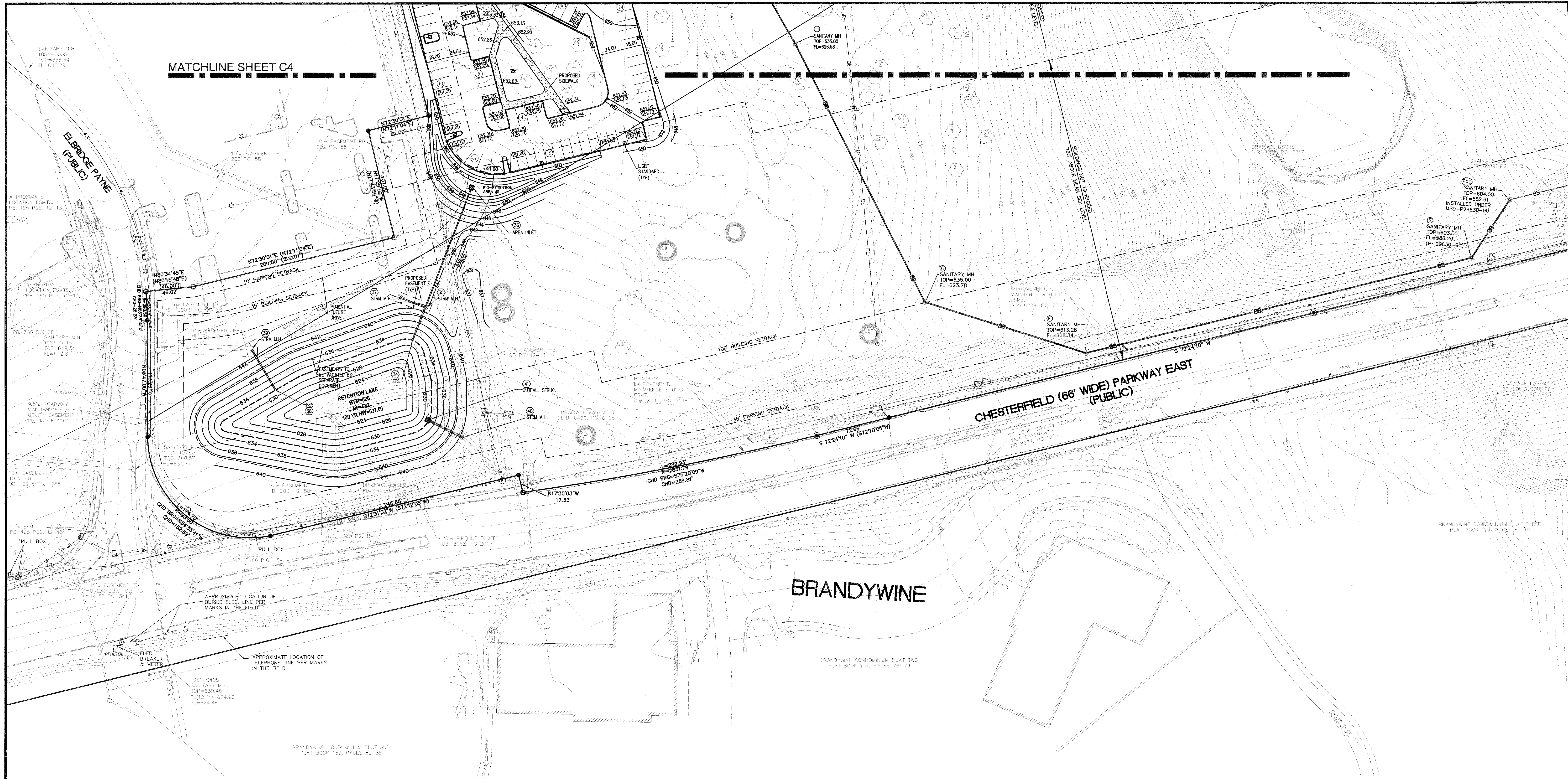
DRAWING ISSUE	
#	DESCRIPTION DATE
1	CITY SUBMITTAL 11/22/13
2	REVISED PER CITY COMMENT 01/17/14
3	REVISED PER CITY COMMENT 02/21/14
4	REVISED PER CITY COMMENT 03/17/14
5	REVISED PER CITY COMMENT 03/31/14
6	21 SETS TO CITY 04/21/14

DRAWN BY: J.E.F. CHECKED BY: C.M.S.  
DATE: 11/22/13 JOB NO.: 211-4821  
MSF # 18S & 19S

SHEET TITLE: **SITE DEVELOPMENT SECTION PLAN**

SHEET NO.: **C4**

MATCHLINE SHEET C4



PREPARED BY:

**STOCK & ASSOCIATES**  
**Consulting Engineers, Inc.**

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

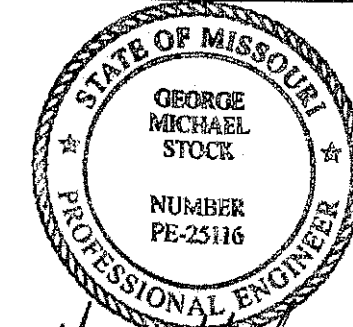
SITE DEVELOPMENT SECTION PLAN FOR:

**MERCY VIRTUAL CARE CENTER  
 CHESTERFIELD HEALTH CAMPUS**

CITY OF CHESTERFIELD  
 ST. LOUIS COUNTY, MISSOURI

OWNER:

**MERCY HEALTH SYSTEM**  
 14528 South Outer Forty,  
 Suite 100  
 Chesterfield, MO 63017  
 Attn: Terry F. Bader  
 Phone: 314-628-3656



04/21/14  
 GEORGE M. STOCK E-25116  
 CIVIL ENGINEER  
 CERTIFICATE OF AUTHORITY  
 NUMBER: 000996

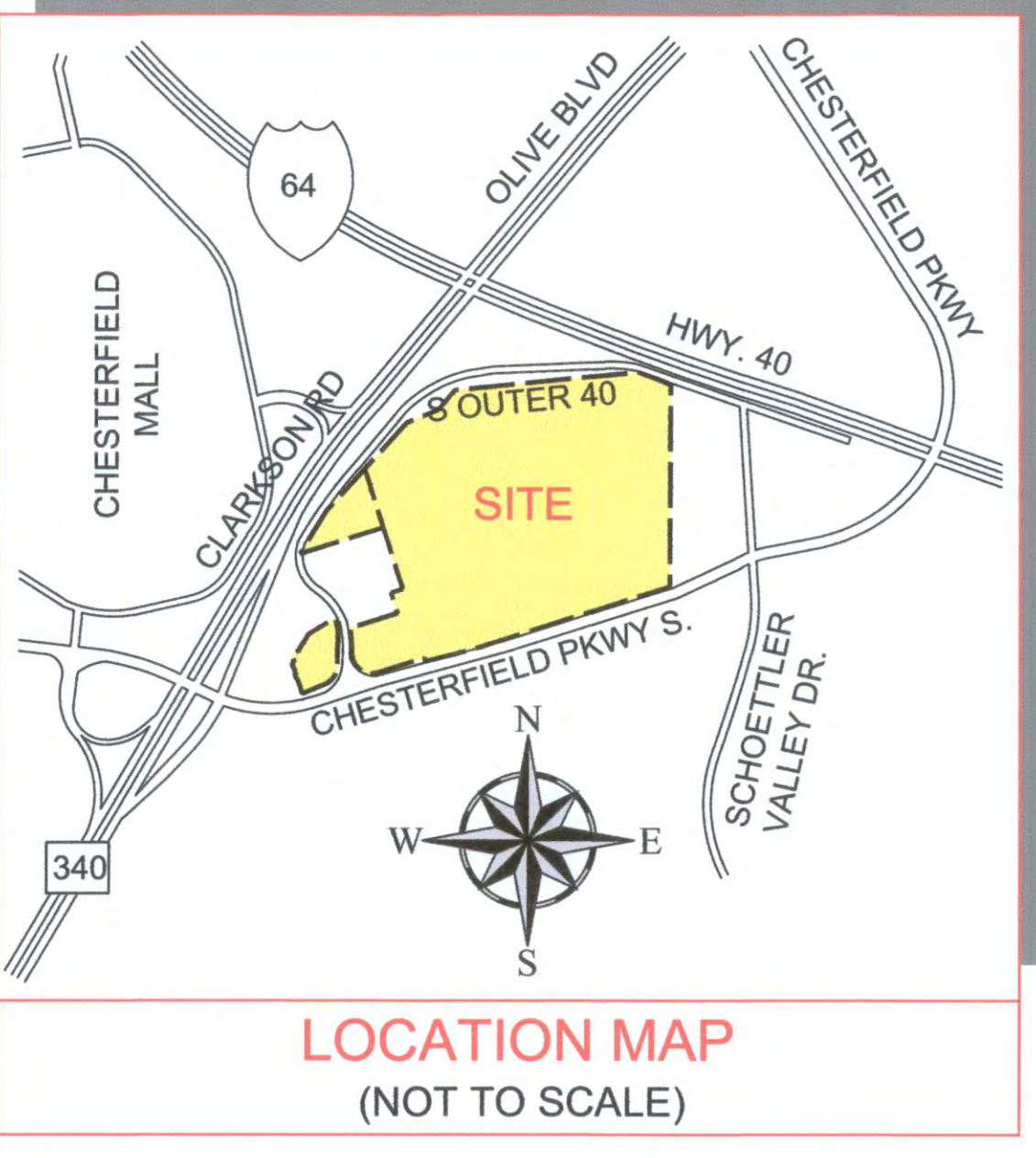
DRAWING ISSUE		
#	DESCRIPTION	DATE
1	CITY SUBMITTAL	11/22/13
2	REVISED PER CITY COMMENT	01/17/14
3	REVISED PER CITY COMMENT	02/27/14
4	REVISED PER CITY COMMENT	03/17/14
5	REVISED PER CITY COMMENT	03/23/14
6	21 SETS TO CITY	04/21/14

DRAWN BY:	CHECKED BY:
J.E.F.	G.M.S.
DATE: 11/22/13	JOB NO: 211-4821
DES: ---	BASE MAP: 18S & 19S

SHEET TITLE:  
**SITE DEVELOPMENT SECTION PLAN**

SHEET NO.:  
**C5**

DRAWING FILE: D:\WORK\00114821\00114821\_SDP\_005\_SECTION PLAN\_PLOTTED: Apr 21, 2014, 8:00am PLOTTED BY: jmh323



**WOODLAND NARRATIVE**

- W1 - 0.04 acre**  
A small area of green ash with overstory that ranges from 5-8" DBH.
- W2 - 2.04 acres**  
A mixture of older planted trees and native trees that have grown in to fill in what was once a savanna-like setting. Species is a variety of evergreens (white pine, scotch pine, Norway spruce, and Austrian pine) with overstory diameters ranging from 6-12" and mixed hardwoods (sycamore, elms, black locust, and silver maple) that range from 14" and larger in diameter. Most of the evergreens are mostly in a state of serious decline.
- W3 - 0.73 acre**  
A young stand of elm, sweetgum, maple, and oak with overstory diameters ranging from 6-14". A few remnant larger diameter (12-24" DBH) trees include sycamore, pin oak, and silver maple.
- W4 - 0.56 acre**  
A young stand of elm, sweetgum, maple, and oak with overstory diameters ranging from 6-14". A few remnant larger diameter (12-24" DBH) trees include sycamore, pin oak, and silver maple.
- W5 - 0.49 acre**  
A young stand of black locust and elm with overstory diameters ranging from 8-10". A few remnant larger diameter (12-24" DBH) trees include sycamore, pin oak, and silver maple.
- W6 - 1.25 acres**  
A high quality upland hardwood white oak stand with a small component of black oak, elm, and hackberry. The average overstory diameter is 18".
- W7 - 0.37 acre**  
A high quality upland hardwood white oak stand with a small component of black oak, elm, and hackberry. The average overstory diameter is 12".
- W8 - 1.52 acres**  
A young stand of black locust, sycamore, and elm with overstory diameters ranging from 8-10". A few remnant larger diameter (12-24" DBH) trees include sycamore, pin oak, and silver maple.
- W9 - 3.20 acres**  
An undisturbed upland hardwood forest with an overstory of mostly white oak, with some red oak, black oak, and hickory. The understorey consists of serviceberry, dogwood, redbud and regeneration-sized oak and hickory.
- W10 - 0.25 acre**  
A stand of black locust and elm with overstory diameters ranging from 8-12". A few scattered larger diameter (12-24" DBH) trees include sycamore and silver maple.
- W11 - 3.57 acres**  
A mixture of older planted trees and native trees that have grown in to fill in what was once a pastured area and slopes toward the north lake. Planted trees include evergreens (white pine, scotch pine, Norway spruce, and Austrian pine) with diameters ranging from 6-24" and hardwoods planted along the roadways that range from 14" to 28" in diameter. Most of the evergreens are declining. The historic open areas between the remnant evergreen plantings are now filled with 6-10" DBH elm, oak, and maple.
- W12 - 1.21 acres**  
This stand contains an overstory of euonymus vine-covered, large-diameter black locust that range from 12-26" DBH. Other species include elm, oaks, and sycamore.
- W13 - 0.11 acre**  
A row of Norway spruce 8-16" DBH growing along the north boundary have been severely trimmed to accommodate overhead wires. Several scotch and Austrian pines are dead from a pine wilt nematode infestation.
- W14 - 1.23 acres**  
A mixture of older planted trees and native trees that have grown in to fill in what was once a pastured area. Planted trees include evergreens (white pine, scotch pine, Norway spruce, and Austrian pine) with diameters ranging from 6-24" and hardwoods planted along the roadways that range from 14" to 28" in diameter. Most of the evergreens are declining. The historic open areas between the remnant evergreen plantings are now filled with 6-10" DBH elm, oak, and maple.
- W15 - 0.22 acre**  
A successional area (once pastureland) that is now filled with 6-10" DBH elm, oak, and maple.
- W16 - 3.23 acres**  
A remnant upland forest area that now forms a border (buffer) along some of the assembled tracts and also surrounds small fields. Overstory is mixed hardwoods with areas of planted white pine (diameter ranges from 8-26") and sweetgum (diameter ranges from 8-22").
- W17 - 0.30 acre**  
A grouping of silver maple trees in an old field with an overstory diameter that ranges from 20-13" DBH.
- W18 - 0.06 acre**  
A row of Scotch pine along Chesterfield Parkway in fair to poor condition that range from 6-10" DBH.
- W19 - 0.04 acre**  
A grouping of white pine trees in an old field with an overstory diameter that ranges from 14-18" DBH.
- W20 - 0.13 acre**  
A grouping of silver maple trees in an old field with an overstory diameter that ranges from 18-20" DBH.
- W21 - 0.05 acre**  
A grouping of white pine trees in an old field with an overstory diameter that ranges from 14-18" DBH.
- W22 - 0.06 acre**  
A grouping of black locust trees in an old field with an overstory diameter that ranges from 8-10" DBH.

--- = Approximate study area (43 acres)

25 = Mapped tree and tree number

23 = Mapped monarch tree and tree number

24 = Mapped tree with canopy spread for trees in non-woodland areas

**W4** = Woodlands (20.69 acres)

**N2** = Non-woodlands (14.57 acres)

Water (ponds, lakes)

Roads

Existing Tree Canopy	
Woodland Canopy Area	20.66 acres
Non-Woodland Canopy Area	2.73 acres
<b>Total Canopy On-Site</b>	<b>23.39 acres</b>

Prepared by

**DAVEY RESOURCE GROUP**  
A Division of The Davey Tree Expert Company

Prepared for

**STOCK & ASSOCIATES**  
Consulting Engineers, Inc.

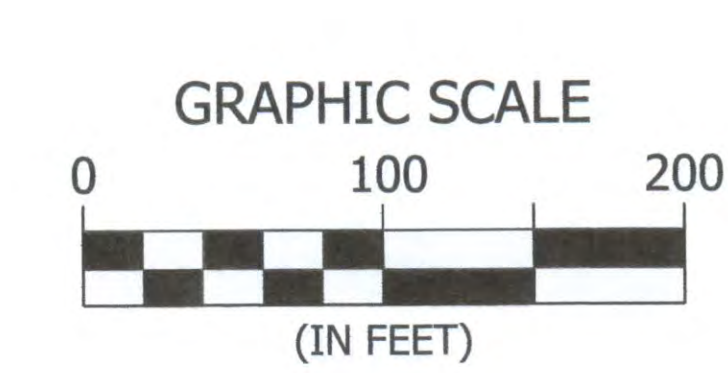
**Tree Stand Delineation**  
Mercy Site  
43 Acres, I-64 and Clarkson Road  
Chesterfield, Missouri

Tree Stand Delineation prepared by:  
Skip Kincaid, ISA Board Certified  
Master Arborist (MW-0155BM)

Tree data used to produce this map were collected on  
January 16, 17, and 18, 2012  
and updated June 10, 2013

Tree Stand Delineation mapping prepared by: Ken Christensen, ISA Board Certified Arborist (A-0690)

Tree ID	Species	DBH (in)	Height (ft)	Canopy Area (sq ft)	Canopy Spread (ft)	Notes
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99	...	...	...	...	...	...
100	...	...	...	...	...	...



	Approximate study area (40 acres)
	Mapped tree and tree number
	Mapped monarch tree and tree number
	Mapped tree with canopy spread for trees in non-woodland areas
	Trees to be removed
	Protected woodland
	Tree protection fence

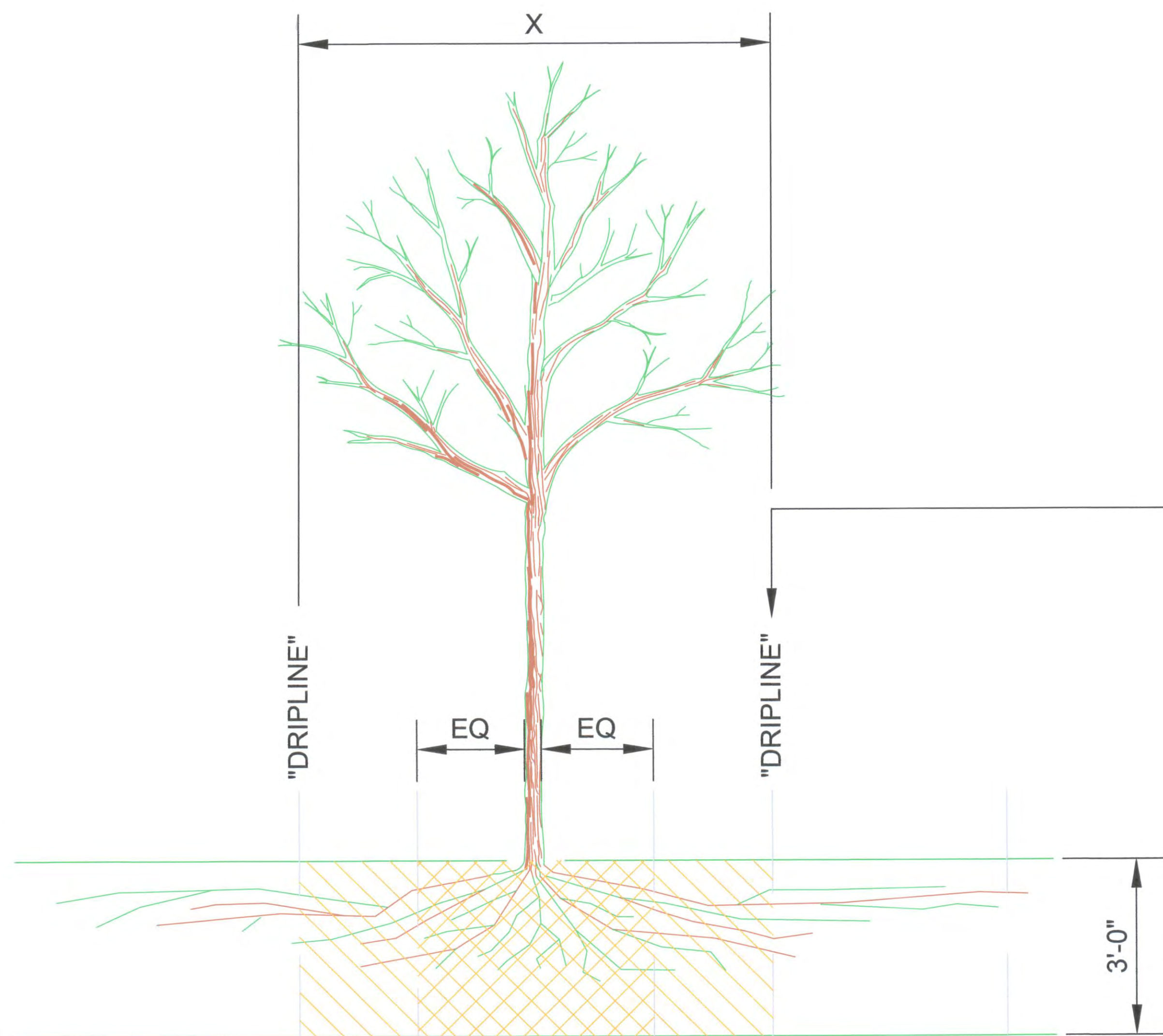
Tree Canopy Calculations	
Total canopy area existing	23.39 acres
Total canopy area to be removed	16.35 acres
Total canopy area protected	7.04 acres
<b>Percent Canopy Protected</b>	<b>30.10 %</b>

Prepared by  
  
**DAVEY RESOURCE GROUP**  
*A Division of The Davey Tree Expert Company*

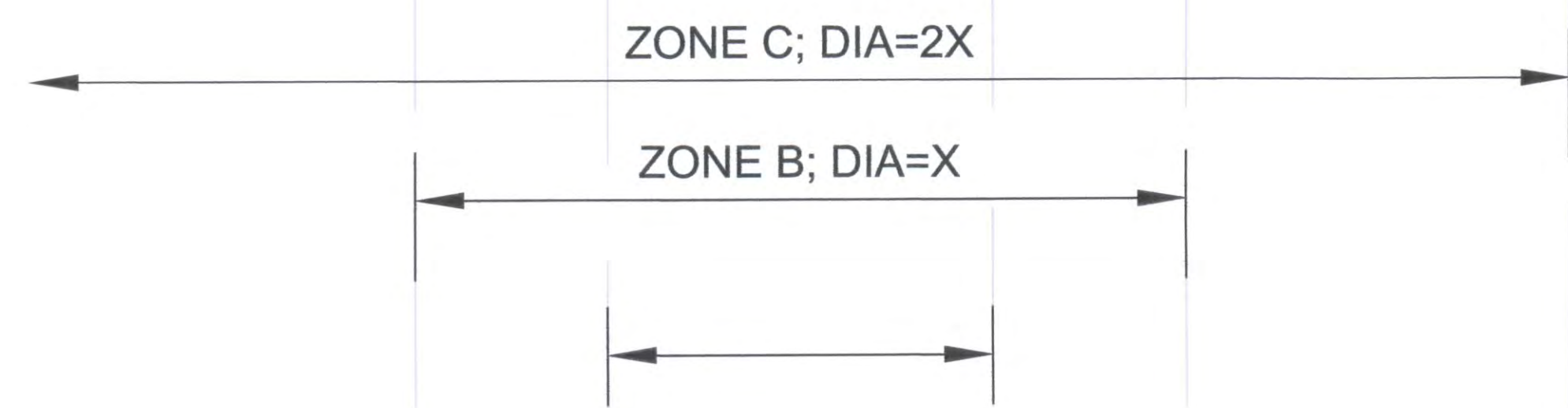
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**Tree Protection Plan**  
 Mercy Site  
 43 Acres, I-64 and Clarkson Road  
 Chesterfield, Missouri  
 Tree Protection Plan prepared by:  
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 Master Arborist (MW-0155BM) *Skip Kincaid*

Tree data used to produce this map were collected on January 16, 17, and 18, 2012 and updated June 10, 2013  
 Tree Protection Plan mapping prepared by: Ken Christensen, ISA Board Certified Arborist (A-0690)



ELEVATION



PLAN VIEW

**FENCING/ROOT PROTECTION**

- Fencing to be provided and maintained as specified per plan
- Engineer's approval required for use/access within zone b. permission for use/access requires surface protection for all unfenced, unpaved surfaces within zone b

**\* SURFACE PROTECTION MEASURES**

- Mulch layer, 6"-8" depth
- 3/4" plywood
- Steel plates

**TRENCHING / EXCAVATION**

**ZONE A (CRITICAL ROOT ZONE)**

- No disturbance allowed without site-specific inspection and approval of methods to minimize root damage
- Severance of roots larger than 2" diameter requires engineer's approval
- Tunneling required to install lines 3'-0" below grade or deeper

**ZONE B (DRIPLINE)**

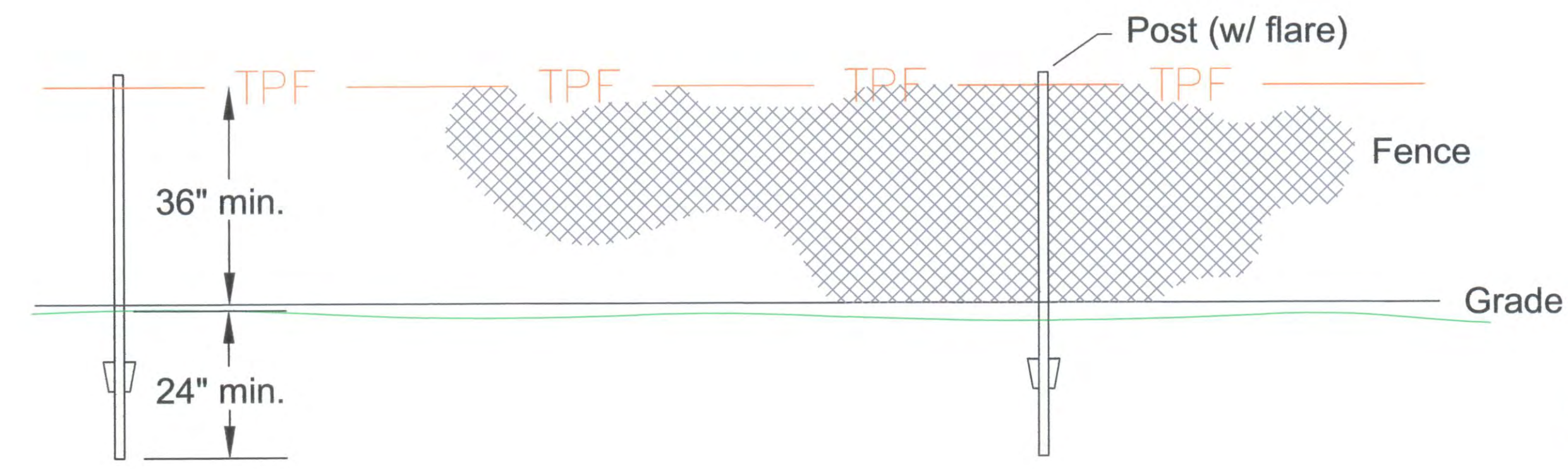
Operation of heavy equipment and/or stockpiling of materials subject to engineers approval. Surface protection\* measures required trenching allowed as follows:

- Excavation by hand or with hand-driven trencher may be required
- Limit trench width. do not disturb Zone A maintain 2/3 or more of Zone B in undisturbed condition
- Tunneling may be required for trenches deeper than 3'-0"

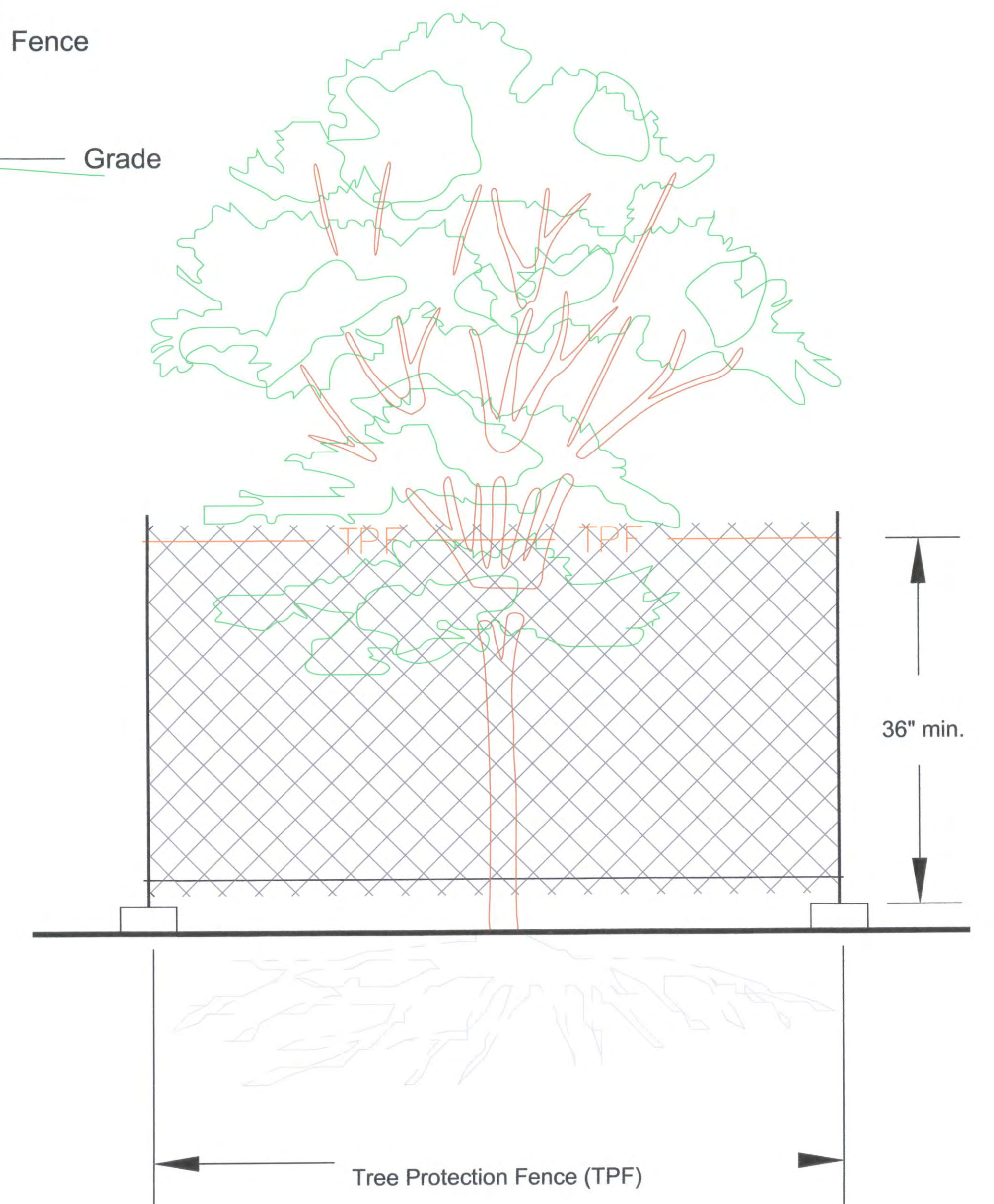
**ZONE C (FEEDER ROOT ZONE)**

Operation of heavy equipment and/or stockpiling of materials subject to engineers approval. Surface protection\* measures may be required trenching with heavy equipment allowed as follows:

- Minimize trench width
- Maintain 2/3 or more of Zone C in undisturbed condition



**TREE PROTECTION FENCE**  
N.T.S.



**TREE PROTECTION NOTES:**

- Critical Root Zone is the minimum area of a tree's root zone that should be protected. It is calculated by multiplying the tree's diameter (in inches) by 1.5 to determine the radius of the protected area. (i.e. Tree Protection fencing should be located in a circle around the tree at the radius shown.)
- Structural Critical Root Distance is the minimum distance that any root severance can occur. Severing roots any closer will greatly increase the chance of catastrophic tree failure due to loss of supporting roots. The distance is based on Coder, K. 1996. Construction Damage Assessments: Trees and Sites. University of Georgia, October, 1996. (Tool #8).
- Action Item includes any required tree protection action to be taken including the following:
  - OK** - Tree is adequate distance away from construction activity that no protection measures are required.
  - TBR** - To Be Removed
  - Fence xx** - Construction fencing will be installed prior to any grading or construction activity. See the map version of the Tree Protection Plan for specific location. The xx refers to radius minimum and maximum distance from tree to fence. The fence will delineate an area that is considered the "Tree Protection Zone". While fence is in place there should be no grading, equipment access, material storage, or root disturbance of any kind within the "Tree Protection Zone" delineated by the fencing. Fencing will be 48" tall heavy-gauge orange plastic construction grade that is adequately supported without sagging. Fencing will remain in place for the duration of the grading associated with the installation of new stormwater pipe. It can only be moved to permit the installation of new soil near and around trees as indicated and only with permission of City Arborist.
  - Mulch** - Apply an 8-10 inch deep layer of wood chips around the tree at a radius equal to the "Critical Root Zone Radius". Do not pile up wood chips at the tree's base. Mulch only needs to be applied where equipment traffic is required that will impact the tree's critical root zone. Mulch layer will reduce soil compaction and rutting. An additional layer of 3/4" plywood, plastic, or rubberized material may be needed on top of mulch to reduce compaction. Remove chips after project completion without damaging the original grade and without damaging roots that may be present underneath.

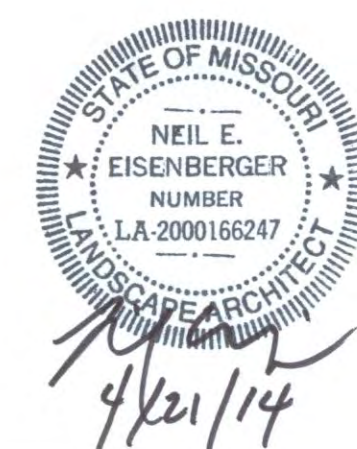
**NOTES:**

**Tree Protection During Construction**

A three- to six-foot high temporary fence shall be placed at dripline of tree to be saved, or a distance of 15' from the trunk, whichever is greater. The fence shall completely encircle the tree(s) or as shown on plans. Install fence posts using pier blocks if appropriate. Avoid driving posts or stakes into major roots. Fencing may extend beyond dripline or 15' if plan design allows. Owner may permit alternative fencing methods if site prohibits installation of pier blocks (steep slopes, soft soils, etc.).

**Treatment of Roots Exposed During Construction**

For roots over 1" in diameter damaged during construction; make a clean, straight cut to remove damaged portion of root. all exposed roots shall be temporarily covered with damp burlap to prevent drying, and covered with soil as soon as possible. Work within protection fence shall be done manually. No excavation, stockpiling of materials, vehicular traffic, or storage of equipment or machinery shall be allowed within the limit of the fencing.



Prepared by  
**DAVEY**  
 RESOURCE GROUP  
 A Division of The Davey Tree Expert Company

Prepared for  
**STOCK & ASSOCIATES**  
 Consulting Engineers, Inc.

**Tree Protection Plan**  
 Mercy Site  
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 Tree Protection Plan mapping prepared by: Ken Christensen, ISA Board Certified Arborist (A-0690)



#	DESCRIPTION	DATE
1	CITY SUBMITTAL	11/22/2013
2	CITY SUBMITTAL	1/17/2014
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4	CITY SUBMITTAL	3/17/2014
5	CITY SUBMITTAL	3/31/2014
6	21 SETS TO CITY	4/21/2014

DRAWING TITLE	DATE
LANDSCAPE PLAN AND SCHEDULE	L1

### PLANT SCHEDULE

SYM	QTY	BOTANICAL NAME	CULTIVAR	COMMON NAME	SIZE	METHOD	MATURE HEIGHT	DETAIL	COMMENTS
<b>DECIDUOUS TREES</b>									
AC PL	2	Acer palmaticum	Red Sunset	Norway Maple	2.5' Cal.	B & B	45'		Medium Growth Rate
AC RU	14	Acer rubrum	Red Sunset	Red Maple	2.5' Cal.	B & B	45'		Fast Growth Rate
AC SA	12	Acer saccharum	Lagery	Sugar Maple	2.5' Cal.	B & B	45'		Slow / Medium Growth Rate
GI BI	15	Gelbea birula	Adams Gold	Mockernut Tree	2.5' Cal.	B & B	45'		Slow / Medium Growth Rate
GL TR	17	Gleditsia triacanthos	var. Inermis Moraine	Thornless Common Honeylocust	2.5' Cal.	B & B	45'		Fast Growth Rate
QU BI	21	Quercus bicolor	Swamp White Oak	Swamp White Oak	2.5' Cal.	B & B	45'		Medium Growth Rate
QU RU	14	Quercus rubra	Red Oak	Red Oak	2.5' Cal.	B & B	45'		Medium / Fast Growth Rate
TA DI	10	Taxodium distichum	Shawnee Brave	Baldcypress	2.5' Cal.	B & B	45'		Medium Growth Rate
<b>DECIDUOUS UNDERSTORY TREES</b>									
AM AR	10	Amelanchier arborea	Downy Serviceberry	Downy Serviceberry	2.5' Cal.	B & B	25'-30'		Multi-Stem, Fast Growth Rate
CE CA	10	Cercis canadensis	Eastern Redbud	Eastern Redbud	2.5' Cal.	B & B	20'-30'		Single stem, Fast Growth Rate
CO FL	10	Cornus florida	Flowering Dogwood	Flowering Dogwood	2.5' Cal.	B & B	15'-25'		Slow / Medium Growth Rate
OR LA	10	Ostrya laevigata	'Superb'	Crimson Cloud Hawthorn	2.5' Cal.	B & B	15'-25'		Medium Growth Rate
MA VI	10	Magnoia virginiana	MOONGLOW Jim Wilson	Sweetbay Magnolia	10' Hl.	B & B	15'-25'		Multi-Stemmed, Medium Growth Rate
<b>EVERGREEN TREES</b>									
JU VI	7	Juniperus virginiana	Eastern Red Cedar	Eastern Red Cedar	8' Hl.	B & B	30'-40'		Medium Growth Rate
LI FL	7	Pinus flexilis	Limber Pine	Limber Pine	8' Hl.	B & B	30'-40'		Medium Growth Rate
PI GL	7	Pinus glauca	White Spruce	White Spruce	8' Hl.	B & B	30'-40'		Medium Growth Rate
PI PU	5	Pinus pungens	Colorado Blue Spruce	Colorado Blue Spruce	8' Hl.	B & B	30'-40'		Medium Growth Rate
PI ST	7	Pinus strobus	Eastern White Pine	Eastern White Pine	8' Hl.	B & B	45'+		Fast Growth Rate
TS CA	7	Tsuga canadensis	Canadian Hemlock	Canadian Hemlock	8' Hl.	B & B	45'+		Medium Growth Rate
<b>EVERGREEN SHRUBS</b>									
JU CR	25	Juniperus chinensis	Scriber	Scriber	24' Hl.	Container	36" O.C.		
<b>DECIDUOUS SHRUBS</b>									
CA AM	85	Calluna americana	American Broomberry	American Broomberry	24' Hl.	Container	36" O.C.		
CO SA	44	Cornus sericea	Arctic Fire	Arctic Fire	24' Hl.	Container	36" O.C.		
FO GA	145	Fothergilla gardenii	Dwarf Fothergilla	Dwarf Fothergilla	24' Hl.	Container	36" O.C.		
HA VI	8	Hamelalis virginiana	Common Witchhazel	Common Witchhazel	10' Hl.	B & B	15'-30'		Multi-Stemmed, Medium Growth Rate
HY QU	95	Hydrangea quercifolia	Sikes Dwarf	Oakleaf Hydrangea	24' Hl.	Container	36" O.C.		
LI HE	272	Lila Henry	Little Henry	Virginia Sweetshrub	18' Hl.	Container	36" O.C.		
LI VE	111	Lila verticillata	Little Henry	Virginia Holly	24' Hl.	Container	36" O.C.		
LI AR	282	Rhus aromatica	Grey-Low	Grey-Low Sumac	12-18" Hl.	Container	36" O.C.		
VI DE	66	Viburnum dentatum	Ornstrom Blue Muffin	Arrowwood Viburnum	38' Hl.	Container	36" O.C.		
<b>ORNAMENTAL GRASSES &amp; SEDGES</b>									
PA	179	Panicum virgatum	Shenandoah	Switch Grass	1' Cal.	Container	36" O.C.		
SP	1377	Sporobolus heterolepis	Prairie Dropseed	Prairie Dropseed	1' Cal.	Container	24" O.C.		

#### BR1 BIO-RETENTION MIX

FULL SUN - PART SUN  
QTY: 9,599

All plants to be Deep Cell, Plug, 18" O.C. All plants to be installed in a random triangular spacing, varied at a minimum of 3-7 per area % and plant type.

Grasses / Sedges	40% by Area
Carex maritima	25%
Carex vulpinoidea	25%
Chaetantherium biflorum	10%
Juncus effusus	15%
Schizanthus scoparium	25%
Foils	60% by Area
Aster multiflorus	20%
Chelone obliqua	10%
Equisetum coelestinum	10%
Iris virginica	10%
Liatris spicata	10%
Rutbeckia fulgida var. umbrosa	20%
Solidago rugosa	10%
Symphoricarpos novae-angliae	10%

#### P1 PARKING ISLAND MIX

FULL SUN - PART SUN  
QTY: 716

All plants to be Quart Container, 18" O.C. All plants to be installed in a random triangular spacing, varied at a minimum of 3-7 per area % and plant type.

Grasses / Sedges	50% by Area
Bouteloua curtipendula	30%
Carex stricta	30%
Sporobolus heterolepis	40%
Foils	50% by Area
Aster oblongifolius	15%
Cornopsis lanceolata	20%
Echinacea purpurea	25%
Heuchera richardsonii	15%
Penstemon digitalis	25%

#### P2 LANDSCAPE MIX

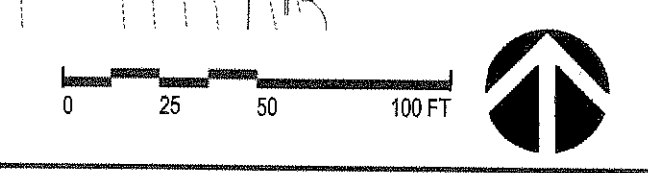
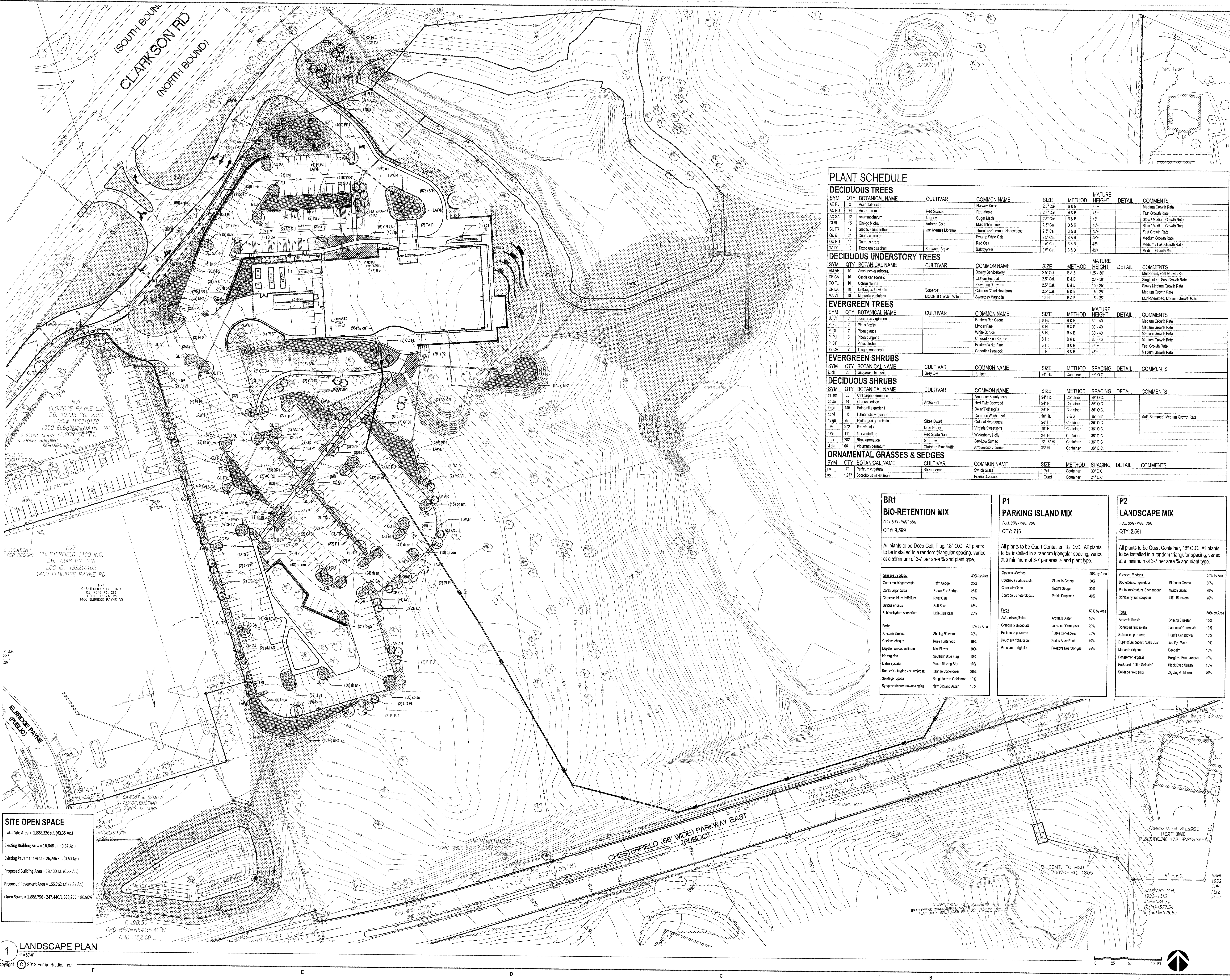
FULL SUN - PART SUN  
QTY: 2,561

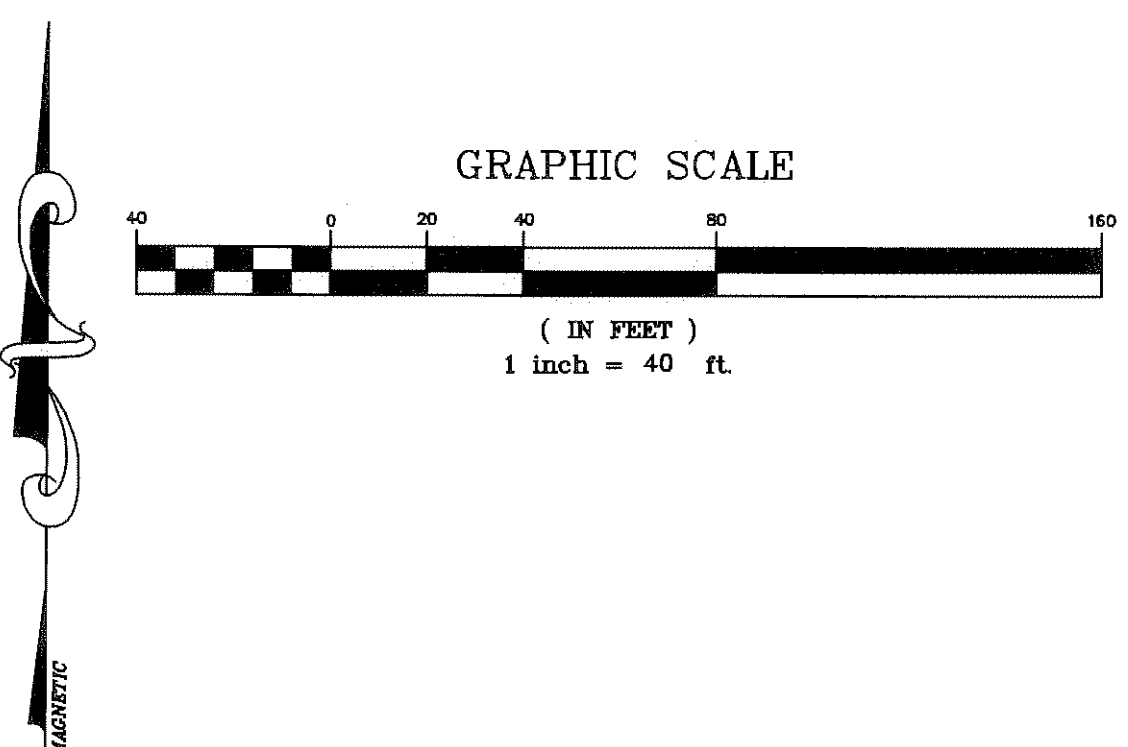
All plants to be Quart Container, 18" O.C. All plants to be installed in a random triangular spacing, varied at a minimum of 3-7 per area % and plant type.

Grasses / Sedges	50% by Area
Bouteloua curtipendula	30%
Panicum virgatum 'Shenandoah'	30%
Schizanthus scoparium	40%
Foils	50% by Area
Amorpha bluffs	15%
Coreopsis lanceolata	10%
Echinacea purpurea	15%
Eupatorium dubium 'Little Joe'	10%
Monarda didyma	10%
Penstemon digitalis	10%
Rutbeckia 'Lila Goldstar'	15%
Solidago nemoralis	10%

#### SITE OPEN SPACE

Total Site Area = 1,886,326 s.f. (43.35 Ac.)  
Existing Building Area = 16,048 s.f. (0.37 Ac.)  
Existing Pavement Area = 26,236 s.f. (0.60 Ac.)  
Proposed Building Area = 38,400 s.f. (0.88 Ac.)  
Proposed Pavement Area = 166,762 s.f. (3.83 Ac.)  
Open Space = 1,888,756 - 247,446 / 1,888,756 = 85.95%





PARKING LOT FIXTURES MOUNTED AT 30° INCLUDING BASE  
PEDESTRIAN FIXTURE TYPES S6 & S7 MOUNTED ON 15' POLE  
LIGHT LEVEL CALCULATED ON PARKING SURFACE

Symbol	Qty	Label	Lum. Watts	Total Watts	LF	Lum. Lumens	Description
[Symbol]	1	S1	54	54	1,000	4133	GLEON-AE-02-LED-E1-T3-530
[Symbol]	1	S2	80	80	1,000	9636	GLEON-AE-03-LED-E1-SWQ-530
[Symbol]	4	S3	54	216	1,000	5238	GLEON-AE-02-LED-E1-SL3-530-HSS
[Symbol]	7	S4	54	378	1,000	5826	GLEON-AE-02-LED-E1-SL4-530
[Symbol]	1	S6	30	30	1,000	3138	GLEON-AE-01-LED-E1-SL3-530
[Symbol]	1	S7	30	30	1,000	3305	GLEON-AE-01-LED-E1-SWQ-530
[Symbol]	6	H	42	252	1,000	822	CB125-36-LED-WW
[Symbol]	18	S2-2	72	1296	1,000	8083	GLEON-AE-02-LED-E1-SWQ-700

Calculation Summary  
Scene: Scene\_1

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CAMPUS DRIVE	Illuminance	Fc	0.90	1.8	0.2	4.50	9.00
PARKING LOT	Illuminance	Fc	1.06	3.2	0.5	2.12	6.40
PROPERTY LINE	Illuminance	Fc	0.0	0.0	0.0	N.A.	N.A.
SIDEWALK AREA	Illuminance	Fc	0.79	2.1	0.2	3.95	10.50

NOTES: BASED ON CURRENT REGULATIONS AND STANDARDS AT THE TIME OF PREPARATION.  
ILLUMINANCE IS CALCULATED USING THE IESNA LIGHT METERING SOFTWARE. THE IESNA  
SOFTWARE HAS BEEN VERIFIED BY THE IESNA. THE IESNA SOFTWARE HAS BEEN VERIFIED BY THE IESNA.  
THE IESNA SOFTWARE HAS BEEN VERIFIED BY THE IESNA.

LOT C702  
PB. 356 PG. 281

DRAWING FILE: D:\DRAWING\211483\211483\_Plan\04\_Plan.dwg LAYOUT: E1-SITE PHOTOMETRIC PLAN PLOTTED: Apr 21, 2014 - 9:50am PLOTTED BY: jshannon

PREPARED BY:  
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SITE DEVELOPMENT SECTION PLAN FOR:  
**MERCY VIRTUAL CARE CENTER  
CHESTERFIELD HEALTH CAMPUS**  
CITY OF CHESTERFIELD  
ST. LOUIS COUNTY, MISSOURI

OWNER:  
**MERCY HEALTH SYSTEM**  
14528 South Outer Forty,  
Suite 100  
Chesterfield, MO 63017  
Attn: Terry F. Bader  
Phone: 314-628-3656

DRAWING ISSUE		
#	DESCRIPTION	DATE
1	CITY SUBMITTAL	11/22/13
2	REVISED PER CITY COMMENT/07/14	
3	REVISED PER CITY COMMENT/02/14	
4	REVISED PER CITY COMMENT/03/17/14	
5	REVISED PER CITY COMMENT/03/20/14	

DATE	J.E.F.	G.M.S.
11/22/13		

MSD P NO: ---  
BASE MAP: 18S & 19S

SHEET TITLE:  
**SITE  
PHOTOMETRIC  
PLAN**

SHEET NO.:  
**E1**