GENERAL NOTES

1. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE DESIGNER.
2. ALL SHRUBS PLANTING AREAS TO HAVE SPADED EDGES AND COVERED WITH 4" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. ALL GROUND COVER BEDS SHALL BE COVERED WITH 1" SHREDDED HARDWOOD BARK MULCH. BARK MULCH SHALL BE APPROVED BY LANDSCAPE DESIGNER AND SHALL BE UNIFORM IN TEXTURE AND COLOR AND SHALL BE OBTAINED FROM SAWMILL OR LUMBERING OPERATIONS. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED.
3. AN APPROVED PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING AND GROUND COVER BEDS AT RATES SPECIFIED BY MANUFACTURER FOR EACH VARIETY OF PLANT.
4. FINAL PLACEMENT OF PLANT MATERIALS, ETC. SHALL BE APPROVED BY LANDSCAPE DESIGNER BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOODED STAKE INDICATING VARIETY AND SIZE OF TREE. ALL GROUND COVER AND MULCH BED LINES SHALL BE MARKED BY A HIGHLY VISIBLE PAINT LINE WITH OCCASIONAL WOOD STAKES FOR REFERENCE. ALL STAKES SHALL BE REMOVED FOLLOWING PLANTINGS OPERATIONS. LANDSCAPE DESIGNER RESERVES THE RIGHT TO ADJUST PLANT LOCATIONS ON SITE.
5. NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE DESIGNER PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTORS OPERATION PRIOR TO MOVING TO JOB SITE. PLANTS MAY ALSO BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE.
6. ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, 1986 EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
7. PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION OPERATIONS AND AS DIRECTED BY OWNER.
8. ALL NEW LANDSCAPE PLANTINGS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL INSPECTION BY LANDSCAPE DESIGNER. AT THE END OF THIS PERIOD, PLANT MATERIAL TERMED DEAD OR UNSATISFACTORY BY LANDSCAPE DESIGNER SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE LANDSCAPE CONTRACTOR.
9. THE LANDSCAPE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES THAT MAY BE REQUIRED FOR HIS PORTION OF WORK.
10. PEAT MOSS TO BE USED ON PROJECT SHALL BE A DOMESTIC OR IMPORTED MATERIAL, CHOCOLATE BROWN IN COLOR AND COMPOSED OF PARTIALLY DECOMPOSED VEGETABLE MATERIAL. PEAT MOSS TO ALSO BE MILDLY ACIDIC IN CHARACTER AND SHALL MEET APPROVAL OF LANDSCAPE DESIGNER.
11. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE DESIGNER IN WRITING PRIOR TO BID DATE OF ANY PLANTS THAT HE FEELS MAY NOT SURVIVE IN LOCATIONS NOTED.
12. ALL LANDSCAPING PLANTINGS TO BE MAINTAINED FOR 1 YEAR FOLLOWING TURNOVER. MAINTENANCE TO INCLUDE WATERING, WEEDING, CULTIVATION, MULCHING, MOWING AND ALL OTHER NECESSARY OPERATIONS REQUIRED FOR PROPER ESTABLISHMENT OF PLANTINGS. NOTE: AT END OF MAINTENANCE PERIOD, CONTRACTOR TO REMOVE GUYING AND STAKING FROM TREES.
13. CONTRACTOR TO SUBMIT UNIT PRICES ON EVERY TYPE OF WORK AS REQUESTED BY LANDSCAPE DESIGNER.
14. BACKFILL FOR TREE AND SHRUB PLANTING SHALL BE 75% APPROVED TOPSOIL AND 25% APPROVED PEAT MOSS. TOP LAYER OF BACKFILL SHALL BE 100% EXISTING TOPSOIL. A 5-10-5 ANALYSIS SLOW RELEASE FERTILIZER SHALL BE INCORPORATED INTO BACKFILL AT APPROVED RATES.
15. PROVIDE MINIMUM 4" PLANTING SOIL IN ALL GROUND COVER AND FLOWER AREAS WITH MIXTURE COMPRISING OF ONE PART COMMERCIAL GRADE "POTTING SOIL," 5 PARTS TOPSOIL AND 4 PARTS PEAT MOSS. A FULL 4" LAYER OF APPROVED SHREDDED FIBROUS PEAT MOSS MAY BE USED IN LIEU OF PLANTING MIX.
16. PLANTS SHALL BEAR A TAG SHOWING GENUS, SPECIES AND VARIETY.
17. PLANTS SHALL BE CERTIFIED BY THE STATE OF INDIANA DEPARTMENT OF NATURAL RESOURCES AND FREE FROM DISEASE OR HAZARDOUS INSECTS.

PLANT SCHEDULE

PLAN KEY	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	ROOT CONDITION B+B	BARE	CONT	ON CENTER SPACING	SPECIAL INSTRUCTIONS
	CANOPY DECIDUOUS TREES								
ArO	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2"	30	X			SEE PLAN	
Bn	BETULA NIGRA 'CULLY'	HERITAGE RIVER BIRCH	2"	14	X			SEE PLAN	
Co	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2"	36	X			SEE PLAN	
Gb	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	2"	3	X			SEE PLAN	
Gti	GLEDITSIA TRIACANTHOS INERMIS 'IMCOLE'	IMPERIAL HONEYLOCUST	2"	5	X			SEE PLAN	
GtS	GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE'	SKYLINE HONEYLOCUST	2"	5	X			SEE PLAN	
Lt	LIRIODENDRON TULIPIFERA	TULIP TREE	2"	62	X			SEE PLAN	
PB	PLATANUS ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	2"	9				SEE PLAN	
Qi	QUERCUS IMBRICANIA	SHINGLE OAK	2"	48	X			SEE PLAN	
Qr	QUERCUS ROBUR	RED OAK	2"	27	X			SEE PLAN	
Za	ZELKOVA SERRATA 'VILLAGE GREEN'	VILLAGE GREEN ZELKOVA	2"	10	X			SEE PLAN	
LsW	LIQUIDAMBAR STYRACIFLUA 'WORPLESDON'	WORPLESDON SWEETGUM	2"	8	X				
	EVERGREEN TREES								
PgD	PICEA GLAUCA 'DENSATA'	BLACK HILLS SPRUCE	6'-7"	34	X				
PpG	PICEA PUNGENS GLAUCA	COLORADO BLUE SPRUCE	8'	52	X			SEE PLAN	
	ORNAMENTAL UNDERSTORY TREES								
AgA	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	2"	51	X			SEE PLAN	
CC	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY REDBUD	2"	67	X			xx	
MoP	MALUS 'PRAIRIE FIRE'	'PRAIRIE FIRE' CRABAPPLE	2"	44	X			SEE PLAN	
MoS	MALUS 'SNOWDRIFT'	'SNOWDRIFT' CRABAPPLE	2"	22	X			SEE PLAN	
	DECIDUOUS SHRUBS								
RaG	RHUS AROMATICA 'GROLOW'	GROLOW SUMAC	#1	64			X	xx	MIN 18"
EaC	EUONYMUS ALATUS 'COMPACTUM'	DWARF BURNING BUSH	18"	16	X			SEE PLAN	MIN 18"
Rr	ROSA 'RADTKOPINK'	PINK DOUBLE KNOCKOUT ROSE	#3	36					
Sb	SPIRAEA X BUMALDA 'ANTHONY WATERER'	ANTHONY WATERER RED SPIREA	#3	0			X	SEE PLAN	MIN 18"
Sg	SPIRAEA X 'GOLD MOUND'	GOLD MOUND SPIREA	#3	190			X	SEE PLAN	MIN 18"
SM	SYRINGA MEYERI 'PALIBIN'	DWARF KOREAN LILAC	#5	157			X	SEE PLAN	MIN 18"
Vj	VIBURNUM X JUDDII	JUDD'S VIBURNUM	#5	44			X	SEE PLAN	MIN 18"
VpT	VIBURNUM PLICATUM TOMENTOSUM 'NEWZAM'	NEWPORT VIBURNUM	18"	88	X			SEE PLAN	MIN 18"
WfA	WEIGELA FLORIDA 'ALEXADRIA'	WINE & ROSES WEIGELA	#3	5					
	EVERGREEN SHRUBS								
Bk	BUXUS X KOREANA 'GREEN VELVET'	GREEN VELVET BOXWOOD	18"	265	X			SEE PLAN	MIN 18"
BkG	BUXUS X KOREANA 'GREEN GEM'	GREEN GEM BOXWOOD	18"	24	X			SEE PLAN	MIN 18"
IxW	ILEX X 'WILLEMER'	EMERALD MAGIC HOLLY	#3	24			X	SEE PLAN	MIN 18"
TM	TAXUS X MEDIA 'DARK GREEN SPREADER'	DARK GREEN SPREADING YEW	30"	180	X			SEE PLAN	MIN 18"
ToH	THUJA OCCIDENTALIS 'HOLMSTRUP'	HOLMSTRUP ARBORVITAE	#6	15					
TxD	TAXUS X MEDIA 'DENSIFORMIS'	DENSE SPREADING YEW	18-24"	10					
	PERENNIALS								
HS	HEMEROCALLIS 'STELLA DE ORO'	STELLA DE ORO GOLD DAYLILY	#1	5			X	12"	
	ORNAMENTAL GRASS								
CoK	CALAMAGROSTIS ACUTIFLORM X 'KARL FORSTER'	KARL FORESTER FEATHER REED GRASS	#5	67					
MS	MISCANTHUS SINENSIS 'STRICTUS'	PORCUPINE GRASS	#3	19					

SPRINGMILL TRAILS PUD LANDSCAPE REQUIREMENTS SECTION 13; EXHIBIT 17

SECTION 8.2 ON SITE & STREET
FRONTAGE LANDSCAPE REQUIREMENTS
MULTI-FAMILY: 1 SHADE TREE/DWELLING UNIT
: 1 ORNAMENTAL OR EVERGREEN TREES/DWELLING UNIT
: 4 SHRUBS/DWELLING UNIT
SECTION 8.3 N/A
SECTION 8.4A PARKING LOT ISLANDS
WC16.06.070
A1. 50 OR MORE 10%
A2E. PARKING LOT ISLANDS SHALL INCLUDE AT LEAST 1 TREE AND 4 SHRUBS PER PARKING LOT STALL.
B. PERIMETER PARKING LOT LANDSCAPING –
PERIMETER LANDSCAPING IS REQUIRED FOR PAKRING LOTS WITH TEN (10) OR MORE SPACES WHERE:
1.) THE PARKING LOT IS LOCATED WITHIN A REQUIRED YARD; OR
2.) THE PARKING LOT IS LOCATED WITHIN TWENTY (20) FEET OF A LOT LINE OR RIGHT-OF-WAY LINE.
PARKING LOT IS NOT WITHIN YARD OR 20' OF RIGHT-OF-WAY OR LOT LINE = NONE REQUIRED.
WC16.06.050 B. ROAD FRONTAGE STANDARDS
1 SHADE TREE PER 30 LINEAR FEET. 18 REQUIRED. 18 PROVIDED

LANDSCAPE PLAN NOTES:

1. SOD- ALL SOD SHALL BE CERTIFIED GRADE CULTIVATED GRASS SOD: OF "ADVENTURE BLEND" TURF TYPE TALL FESCUE (BY GENERAL CONTRACTOR)
2. LANDSCAPE BED EDGE (TYP)
3. MULCH

BUILDING BASE LANDSCAPING TABLE

BUILDING#	UNITS	TREES	ORN. EVERGREEN	SHRUBS
1	12	12	12	48
2	8	8	8	32
3	8	8	8	32
4	12	12	12	48
5	8	8	8	32
6	14	14	14	56
7	14	14	14	56
8	8	8	8	32
9	12	12	12	48
10	8	8	8	32
11	12	12	12	48
12	8	8	8	32
13	8	8	8	32
14	12	12	12	48
15	12	12	12	48
16	12	12	12	48
17	8	8	8	32
18	8	8	8	32
19	8	8	8	32
20	8	8	8	32
21	14	14	14	56
22	8	8	8	32
23	8	8	8	32
24	14	14	14	56
25	8	8	8	32
	252	252	252	1008

GENERAL MULCH NOTE:
MULCH AROUND ALL PROPOSED LANDSCAPE MATERIAL UNLESS SPECIFIED OTHERWISE.

NOTE:
ANY EXISTING TREE(S) THAT MAY REQUIRE REMOVAL BUT ARE NOT SHOWN ON THE PLAN AS BEING REMOVED MAY BE DONE SO, AS LONG AS THE TREE(S) ARE RELOCATED TO AN APPROVED ALTERNATIVE LOCATION ON SITE.

SCALE: 1" = 50'
0 25 50 100

811 Know what's below. Call before you dig.
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24 Hours a Day, 7 Days a Week.
PER INDIANA STATE LAW IC 8-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

CONSTRUCTION PLANS – DATED 08/03/2012

10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.net
317 | 846 - 6611
800 | 452 - 6408
317 | 843 - 0546 fax
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

DATE	BY	REVISIONS AND ISSUES

PROJECT NO.: W12-0342
DWG. NAME: 0120222-L101.dwg
DESIGNED BY: EEF
DRAWN BY: RHE
CHECKED BY: JES
DATE: 7/17/2012

ERIC A. CARTER — REGISTERED — No. 20300131 — STATE OF INDIANA — LANDSCAPE ARCHITECT
APPROVAL PENDING — NOT FOR CONSTRUCTION
ERIC A. CARTER RLA 20300131

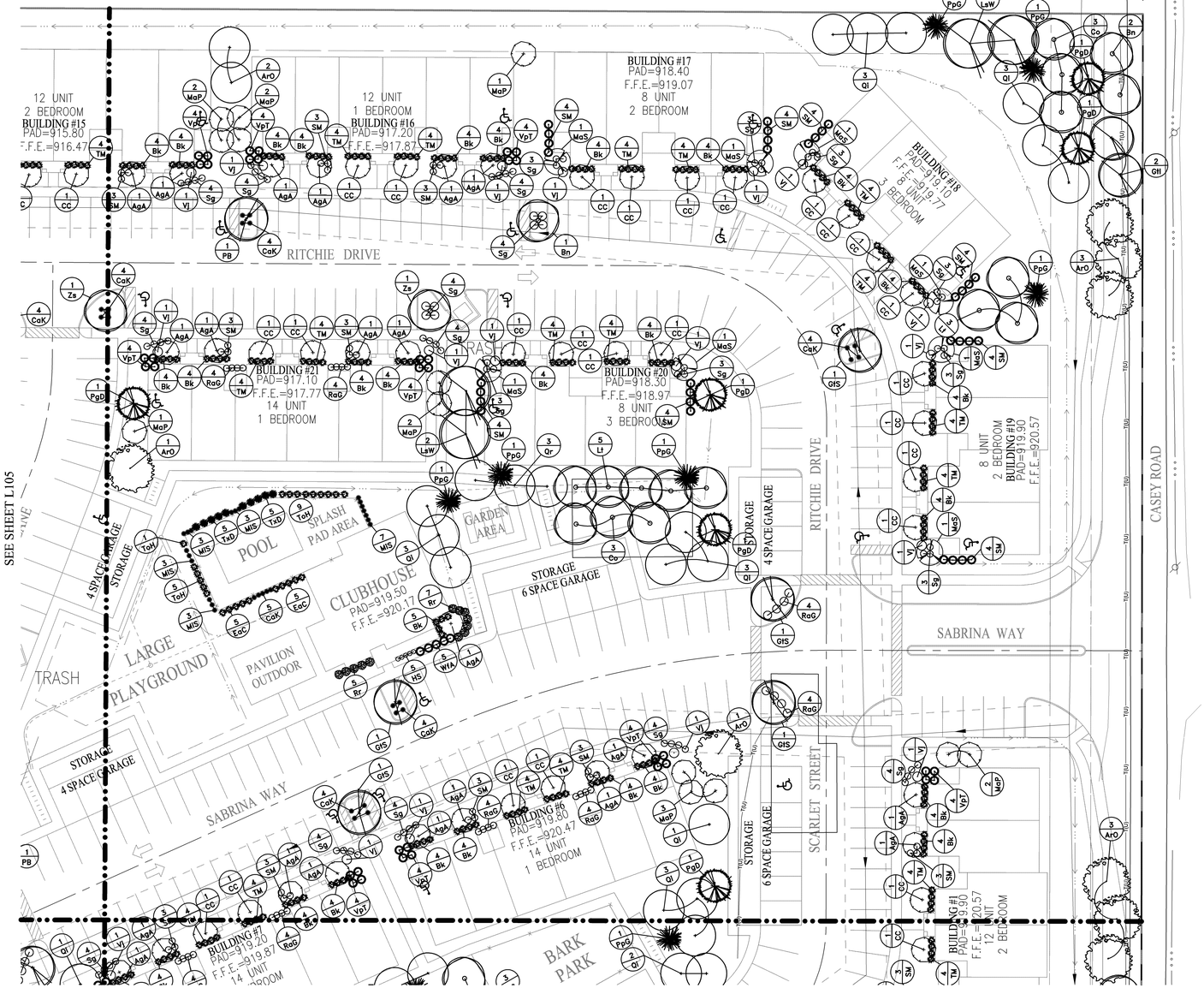
PREPARED FOR:
CASEY ACRES APARTMENTS
HERMAN & KITTLE PROPERTIES, INC.

LANDSCAPE PLAN
PT. SW 1/4 SEC. 34, T19N, R5E, WASHINGTON TWP., HAMILTON CO., IN

SHEET NO.
L101

PROJECT NO.
W12-0342

LOCATION: H:\2012\W12034\Engineering\Design\Xrefs\L101 - Landscape Plan.dwg
LAYOUT: Layout1
DATE/TIME: October 12, 2012 - 3:47pm
PLOTTED BY: JoeHam



MATCH LINE
SEE SHEET L103

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15	12	12	12	48
16	12	12	12	48
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25	8	8	8	32
	252	252	252	1008

MAPLE KNOLL PUD LANDSCAPE REQUIREMENTS
SECTION 13; EXHIBIT 17

WC16.06.060 BUFFERYARD REQUIREMENTS
G. BUFFERYARDS SHALL NOT BE REQUIRED BETWEEN USES WITHIN PLANNED DEVELOPMENTS OR WITHIN SUBDIVISIONS.
WC16.06.070
A1. 50 OR MORE 10%
A2E. PARKING LOT ISLANDS SHALL INCLUDE AT LEAST 1 TREE AND 4 SHRUBS PER PARKING LOT STALL.
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WC16.06.050 A ONSITE REQUIREMENTS
(PER DWELLING UNIT) 132 DWELLING UNITS PROVIDED.
1 SHADE TREE = 132 SHADE TREES REQUIRED. 137 PROVIDED
1 ORNAMENTAL = 132 ORNAMENTAL TREES REQUIRED. 133 PROVIDED
4 SHRUBS = 528 SHRUBS REQUIRED, 538 PROVIDED.
WC16.06.050 B. ROAD FRONTAGE STANDARDS
1 SHADE TREE PER 30 LINEAR FEET. 15 REQUIRED. 15 PROVIDED

LANDSCAPE PLAN NOTES:

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2. LANDSCAPE BED EDGE (TYP)
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WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

REVISIONS AND ISSUES	DATE	BY

PROJECT NO.: W12-0342
DWG. NAME: 0100222-L101.dwg
DESIGNED BY: EEF
DRAWN BY: RHE
CHECKED BY: JES
DATE: 7/17/2012

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ERIC A. CARTER RLA 20300131

PREPARED FOR:
CASEY ACRES APARTMENTS
HERMAN & KITTLE PROPERTIES, INC.

LANDSCAPE PLAN
PT. SW 1/4 SEC. 34, T18N, R3E, WASHINGTON TWP., HAMILTON CO., IN

SHEET NO.
L102

PROJECT NO.
W12-0342

LOCATION: H:\2012\W12\0342\Engineering\Design\Xconsat\L101 - Landscape Plan.dwg
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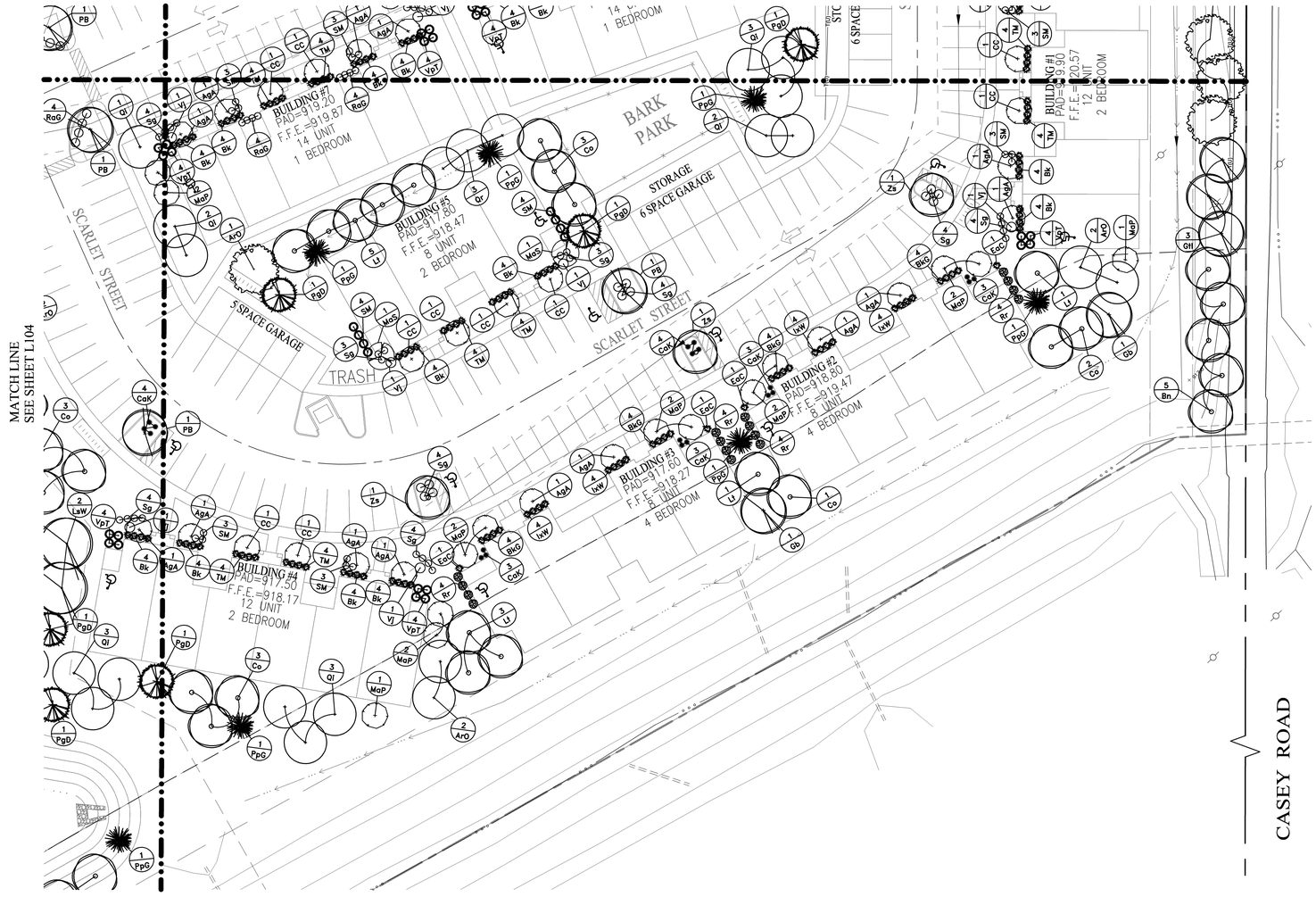
DATE/TIME: October 12, 2012 - 3:47pm
PLOTTED BY: zeissm



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10. PEAT MOSS TO BE USED ON PROJECT SHALL BE A DOMESTIC OR IMPORTED MATERIAL, CHOCOLATE BROWN IN COLOR AND COMPOSED OF PARTIALLY DECOMPOSED VEGETABLE MATERIAL. PEAT MOSS TO ALSO BE MILDLY ACIDIC IN CHARACTER AND SHALL MEET APPROVAL OF LANDSCAPE DESIGNER.
11. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE DESIGNER IN WRITING PRIOR TO BID DATE OF ANY PLANTS THAT HE FEELS MAY NOT SURVIVE IN LOCATIONS NOTED.
12. ALL LANDSCAPING PLANTINGS TO BE MAINTAINED FOR 1 YEAR FOLLOWING TURNOVER. MAINTENANCE TO INCLUDE WATERING, WEEDING, CULTIVATION, MULCHING, MOWING AND ALL OTHER NECESSARY OPERATIONS REQUIRED FOR PROPER ESTABLISHMENT OF PLANTINGS. NOTE: AT END OF MAINTENANCE PERIOD, CONTRACTOR TO REMOVE GUYING AND STAKING FROM TREES.
13. CONTRACTOR TO SUBMIT UNIT PRICES ON EVERY TYPE OF WORK AS REQUESTED BY LANDSCAPE DESIGNER.
14. BACKFILL FOR TREE AND SHRUB PLANTING SHALL BE 75% APPROVED TOPSOIL AND 25% APPROVED PEAT MOSS. TOP LAYER OF BACKFILL SHALL BE 100% EXISTING TOPSOIL. A 5-10-5 ANALYSIS SLOW RELEASE FERTILIZER SHALL BE INCORPORATED INTO BACKFILL AT APPROVED RATES.
15. PROVIDE MINIMUM 4" PLANTING SOIL IN ALL GROUND COVER AND FLOWER AREAS WITH MIXTURE COMPRISING OF ONE PART COMMERCIAL GRADE "POTTING SOIL," 5 PARTS TOPSOIL AND 4 PARTS PEAT MOSS. A FULL 4" LAYER OF APPROVED SHREDDED FIBROUS PEAT MOSS MAY BE USED IN LIEU OF PLANTING MIX.
16. PLANTS SHALL BEAR A TAG SHOWING GENUS, SPECIES AND VARIETY.
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BUILDING BASE LANDSCAPING TABLE

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MAPLE KNOLL PUD LANDSCAPE REQUIREMENTS
SECTION 13; EXHIBIT 17

WC16.06.060 BUFFERYARD REQUIREMENTS

G. BUFFERYARDS SHALL NOT BE REQUIRED BETWEEN USES WITHIN PLANNED DEVELOPMENTS OR WITHIN SUBDIVISIONS.

WC16.06.070

A1. 50 OR MORE 10%

A2E. PARKING LOT ISLANDS SHALL INCLUDE AT LEAST 1 TREE AND 4 SHRUBS PER PARKING LOT STALL.

B. PERIMETER PARKING LOT LANDSCAPING –
PERIMETER LANDSCAPING IS REQUIRED FOR PAKRING LOTS WITH TEN (10) OR MORE SPACES WHERE:
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(PER DWELLING UNIT) 132 DWELLING UNITS PROVIDED.
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4 SHRUBS = 528 SHRUBS REQUIRED, 538 PROVIDED.

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1 SHADE TREE PER 30 LINEAR FEET. 15 REQUIRED. 15 PROVIDED

LANDSCAPE PLAN NOTES:

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2. LANDSCAPE BED EDGE (TYP)
3. MULCH

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MULCH AROUND ALL PROPOSED LANDSCAPE MATERIAL UNLESS SPECIFIED OTHERWISE.

NOTE:
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317 | 843 - 0546 fax
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WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

REVISIONS AND ISSUES	DATE	BY

PROJECT NO.
W12-0342
DWG. NAME
0120222-L101.dwg
DESIGNED BY:
EEF
DRAWN BY:
RHE
CHECKED BY:
JES
DATE:
7/17/2012

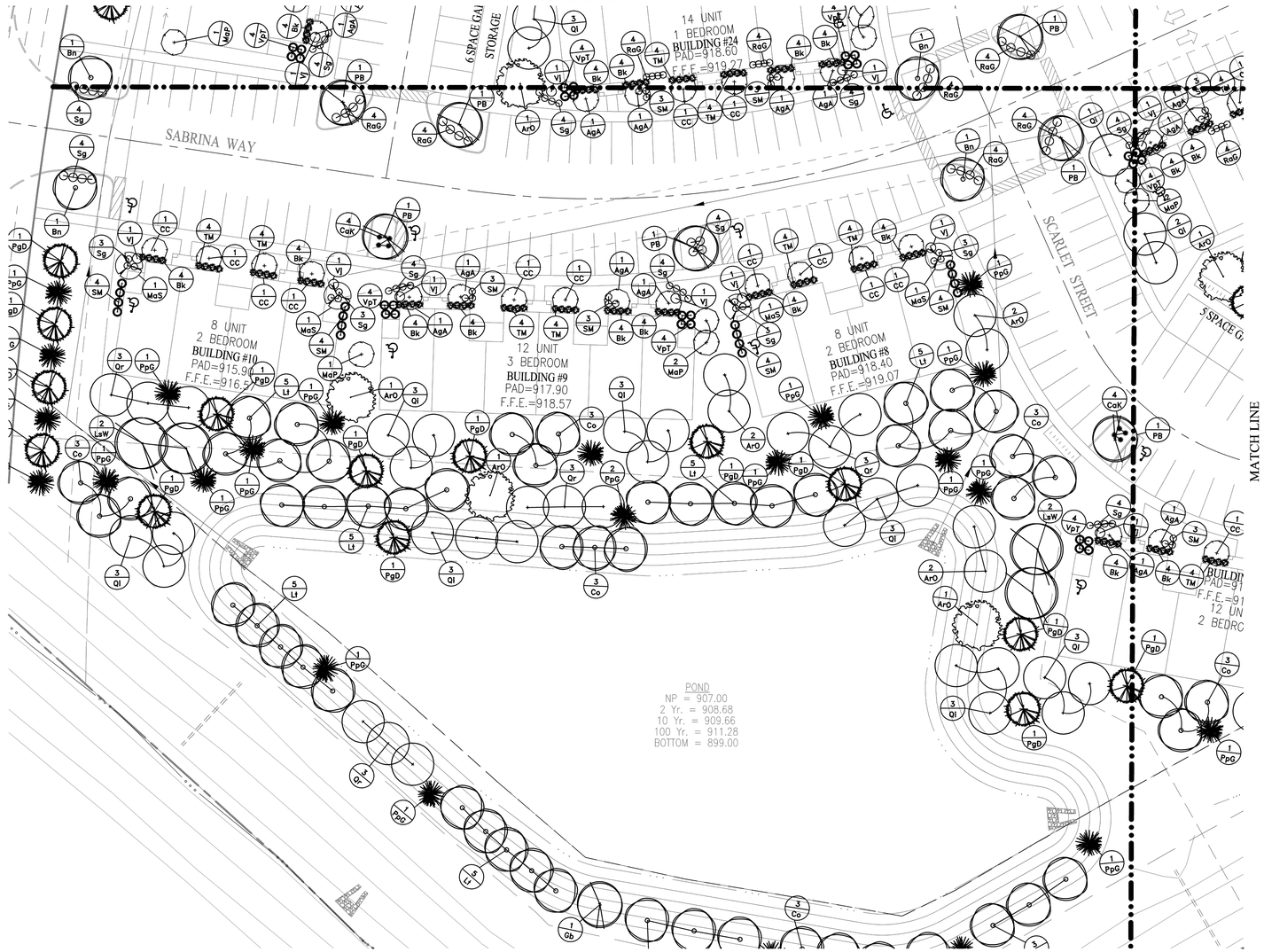
ERIC A. CARTER REGISTERED No. 20300131 STATE OF INDIANA LANDSCAPE ARCHITECT
APPROVAL CONSTITUTES NOT
ERIC A. CARTER RLA 20300131

PREPARED FOR:
CASEY ACRES APARTMENTS
HERMAN & KITTLE PROPERTIES, INC.

LANDSCAPE PLAN
PT. SW 1/4 SEC. 34, T18N, R3E, WASHINGTON TWP., HAMILTON CO., IN

SHEET NO.
L103
PROJECT NO.
W12-0342

LOCATION: J:\2012\W12034\Engineering\Design\Lcnset\L101 - Landscape Plan.dwg
LAYOUT: Landscape - 11x17
DATE/TIME: October 12, 2012 - 3:48pm
PLOTTED BY: Aheem



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MAPLE KNOLL PUD LANDSCAPE REQUIREMENTS SECTION 13; EXHIBIT 17

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Land Surveying | Civil Engineering
Landscape Architecture

REVISIONS AND ISSUES	DATE	BY

PROJECT NO. W12-0342
DWG. NAME: 0100222-L101.dwg
DESIGNED BY: EEF
DRAWN BY: RHE
CHECKED BY: JES
DATE: 7/17/2012

ERIC A. CARTER REGISTERED No. 20300131 STATE OF INDIANA LANDSCAPE ARCHITECT
APPROVED FOR PERMIT PURPOSES ONLY NOT VALID FOR CONSTRUCTION
ERIC A. CARTER RLA 20300131

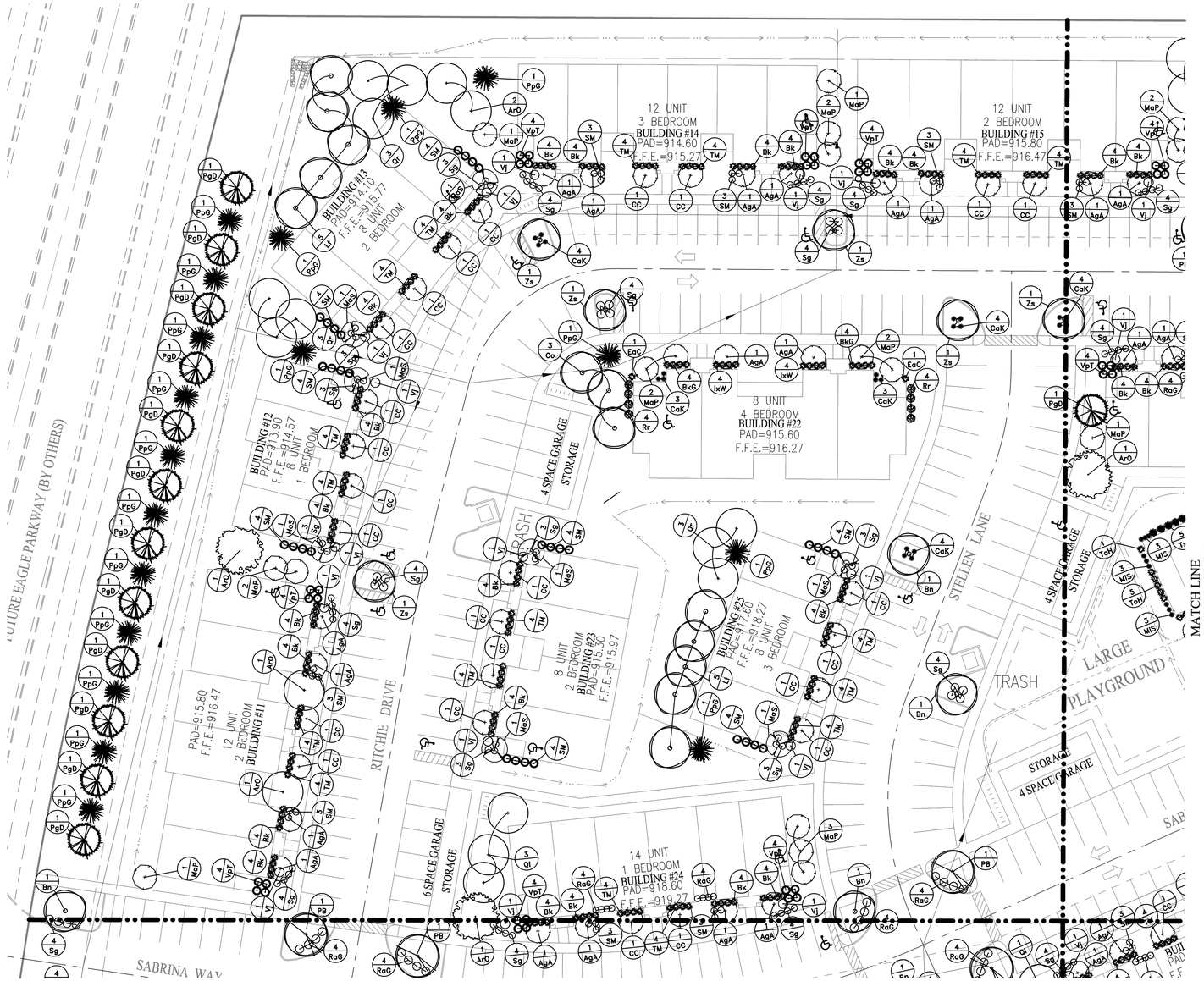
PREPARED FOR:
CASEY ACRES APARTMENTS
HERMAN & KITTLE PROPERTIES, INC.

LANDSCAPE PLAN
PT. SW 1/4 SEC. 34, T15N, R3E, WASHINGTON TWP., HAMILTON CO., IN

SHEET NO.
L104

PROJECT NO.
W12-0342

LOCATION: H:\2012\W120342\Engineering\design\connet\L101 - Landscape Plan.dwg
LAYOUT: Landscape Plan
DATE/TIME: October 12, 2012 - 3:48pm
PLOTTED BY: zeiesm



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REVISIONS AND ISSUES	DATE	BY

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APPROVED FOR CONSTRUCTION NOT FOR BIDDING OR PERMIT PURPOSES
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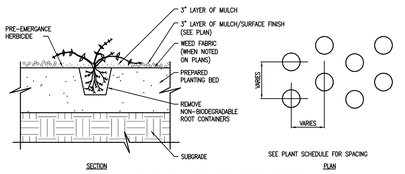
LANDSCAPE PLAN
PT. SW 1/4 SEC. 34, T18N, R3E, WASHINGTON TWP., HAMILTON CO., IN

SHEET NO.
L105

PROJECT NO.
W12-0342

PROJECT NO.: W12-0342
DWG. NAME: 0100222-L101.dwg
DESIGNED BY: EEF
DRAWN BY: RHE
CHECKED BY: JES
DATE: 7/17/2012

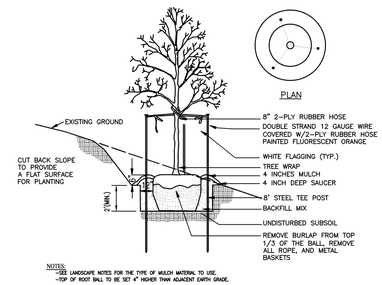
LOCATION: H:\2012\W12\0342\Engineering\Design\Xconsat\L101 - Landscape Plan.dwg
LAYOUT: Layout1
DATE/TIME: October 12, 2012 - 3:48pm
PLOTTED BY: zeissm



PLANTING SOIL SHALL BE EQUAL PARTS SPHAGNUM PEAT MOSS, COMPOSTED MANURE, AND EXISTING SOIL, TAMPED FIRMLY.

GROUNDCOVER PLANTING

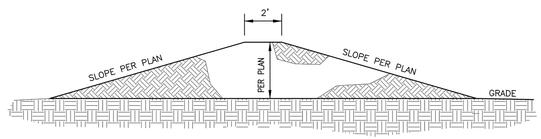
(NO SCALE)



NOTES:
-SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
-TOP OF ROOT BALL TO BE SET 4" HIGHER THAN ADJACENT EARTH GRADE.

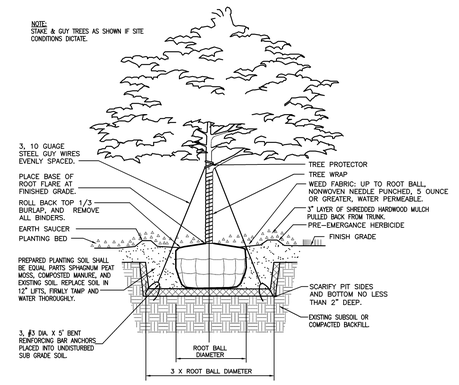
TREE PLANTING ON SLOPE

(NO SCALE)



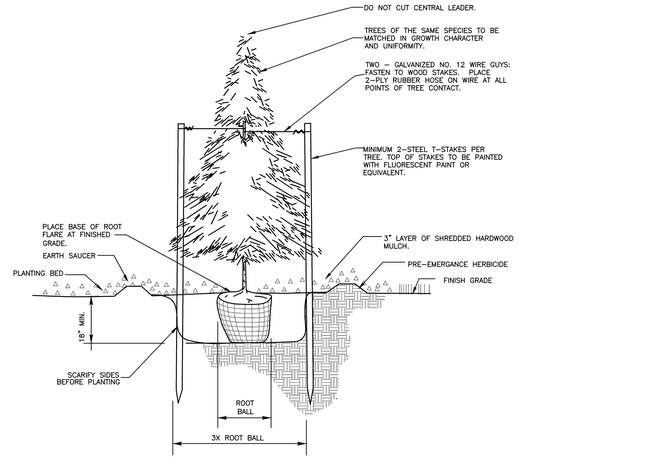
LANDSCAPE MOUNDING DETAIL

(NO SCALE)



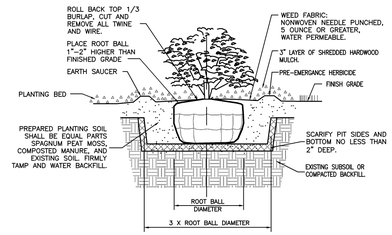
SHADE TREE PLANTING DETAIL

(NO SCALE)



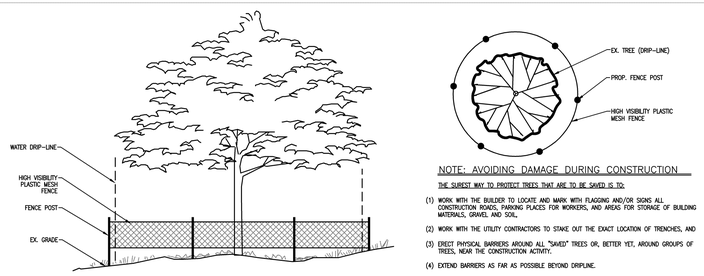
EVERGREEN PLANTING & STAKING

(NO SCALE)



SHRUB & SMALL TREE PLANTING DETAIL

(NO SCALE)



BARRIERS THAT EXTEND BEYOND THE DRIP LINE PROTECT TREES DURING CONSTRUCTION.

NOTE: AVOIDING DAMAGE DURING CONSTRUCTION

THE SUREST WAY TO PROTECT TREES THAT ARE TO BE SAVED IS TO:

(1) WORK WITH THE BUILDER TO LOCATE AND MARK WITH FLAGGING AND/OR SIGNS ALL CONSTRUCTION ROADS, PARKING PLACES FOR WORKERS, AND AREAS FOR STORAGE OF BUILDING MATERIALS, GRAVEL AND SOIL.

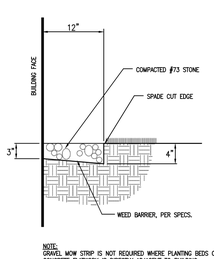
(2) WORK WITH THE UTILITY CONTRACTORS TO STAKE OUT THE EXACT LOCATION OF TRENCHES, AND

(3) ERECT PHYSICAL BARRIERS AROUND ALL "SAVED" TREES OR, BETTER YET, AROUND GROUPS OF TREES, NEAR THE CONSTRUCTION ACTIVITY.

(4) EXTEND BARRIERS AS FAR AS POSSIBLE BEYOND DRIPLINE.

TREE PRESERVATION DETAIL

(NO SCALE)



NOTE:
GRAVEL MOW STRIP IS NOT REQUIRED WHERE PLANTING BEDS OR CONCRETE FLATWORK IS DIRECTLY ADJACENT TO BUILDING.

GRAVEL MOWING STRIP

(NO SCALE)

CONSTRUCTION PLANS – DATED 08/03/2012

10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.net

317 | 846 - 6611
800 | 452 - 6408
317 | 843 - 0546 *fax*

ALLAN H. WEIHE, P.E., L.S. - FOUNDER

WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture

PROJECT NO.	W12-0342
DWG NAME	0100222-l101.dwg
DESIGNED BY:	EEF
DRAWN BY:	RHC
CHECKED BY:	JES
DATE:	7/17/2012

REVISIONS AND ISSUES

BY	DATE

ERIC A. CARTER
REGISTERED
No. 20300131
STATE OF INDIANA
LANDSCAPE ARCHITECT
APPROVED FOR CONSTRUCTION
NOT VALID UNLESS SIGNED

ERIC A. CARTER RLA 20300131

PREPARED FOR:
CASEY ACRES APARTMENTS
HERMAN & KITTLE PROPERTIES, INC.

LANDSCAPE DETAILS
PT. SW 1/4 SEC. 34, T18N, R5E, WASHINGTON TWP., HAMILTON CO., IN

SHEET NO.
L201

PROJECT NO.
W12-0342

LOCATION: H:\2012\W120342\Engineering\design\constr\L101 - Landscape Plan.dwg
LAYOUT: Landscape Details
DATE/TIME: October 12, 2012 - 3:49pm
PLOTTED BY: zeesm

Calculation Summary						
Description	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**
SITE	Fc	1.04	5.0	0.1	10.40	50.00
PROPERTY LINE	Fc	0.04	0.5	0.0	N.A.	N.A.

Luminaire Schedule								
Symbol	**Qty**	**Label**	**Arrangement**	**Lumens/Lamp**	**LLF**	**Description**	**Lum. Watts**	**Total Watts**
	11	D1	SINGLE	12600	0.750	US ARCH LAE1-PG-III-150PS TYPE V OPT REFRACTOR CLEAR GLOBE	185	2035
	1	D1D	BACK-BACK	12600	0.750	US ARCH LAE1-PG-III-150PS TYPE V OPT REFRACTOR CLEAR GLOBE / 20180	185	370
	4	S1H	SINGLE	12600	0.750	US ARCH LUM-SEG-III-150PSMH-HSS / HOUSE SIDE SHIELD	185	740
	17	S1HD	TWIN/ROTATED	12600	0.750	US ARCH LUM-SEG-III-150PSMH-HSS / HOUSE SIDE SHIELD / ROTATE OPTICS	185	6290
	7	S3D	BACK-BACK	12600	0.750	US ARCH LUM-SEG-V-150PSMH / 20180	185	2590
	64	W	SINGLE	5900	0.700	TRACELITE TL110-PSMH-70 / WALL PACK	90	5760

Light Fixture Schedule

Type	Manufacturer	Model No.	No. Lamps	Lamp Type	Volts	Mounting	Description	Illustration *
'G1'	Lithonia EMCO LSI U.S. Architectural Lighting McGraw-Edison	ASF1-xxx-xxx-TB-AFSTMTHK-LPI-ASF1GS *Note: Verify lamping and lighting distribution pattern desired. Coordinate with Architect prior to ordering.*	1	Verify	Verify	Ground / Stanchion	H.I.D. architectural floodlight (for larger signage illumination). Aluminum housing with clear flat lens. Glare shield. UL listed for wet locations. Color selection by Architect.	
'G2'	Lithonia EMCO LSI U.S. Architectural Lighting McGraw-Edison	ASF1-xxx-xxx-TB-AFSTMTHK-LPI-ASF1GS *Note: Verify lamping and lighting distribution pattern desired. Coordinate with Architect prior to ordering.*	1	Verify	Verify	Ground / Stanchion	H.I.D. architectural floodlight (for smaller signage illumination). Aluminum housing with clear flat lens. Glare shield. UL listed for wet locations. Color selection by Architect.	
'S1'	Lithonia EMCO LSI U.S. Architectural Lighting McGraw-Edison	KAD-175M-R3-TB-SPD09-SCWA-LPI (luminaire) SSS-25-5C-DM19 (pole)	1	175W MH (Pulse Start)	Verify	Pole	Single head exterior area lighting luminaire with aluminum housing. Clear flat lens. Hydroformed reflector. IES type III asymmetric distribution. UL listed for wet locations. 25' round straight steel pole.	
'S2'	Lithonia EMCO LSI U.S. Architectural Lighting McGraw-Edison	KAD-175M-R4-TB-SPD09-SCWA-LPI (luminaire) SSS-25-5C-DM19 (pole)	1	175W MH (Pulse Start)	Verify	Pole	Single head exterior area lighting luminaire with aluminum housing. Clear flat lens. Hydroformed reflector. IES type IV forward throw distribution. UL listed for wet locations. 25' round straight steel pole.	
'S3'	Lithonia EMCO LSI U.S. Architectural Lighting McGraw-Edison	KAD-175M-R5S-TB-SPD09-SCWA-LPI (luminaire) SSS-25-5C-DM19 (pole)	1	175W MH (Pulse Start)	Verify	Pole	Single head exterior area lighting luminaire with aluminum housing. Clear flat lens. Hydroformed reflector. IES type V square distribution. UL listed for wet locations. 25' round straight steel pole.	
'W1'	Lithonia EMCO LSI U.S. Architectural Lighting McGraw-Edison	TWA-70M-TB-LPI	1	70W MH (Pulse Start)	Verify	Surface Wall (Bottom of fixture at +9'-0" A.F.F.)	H.I.D. mini wall pack with die-cast aluminum housing. Diffused aluminum reflector. Clear UV stabilized polycarbonate refractor. UL listed for wet locations.	

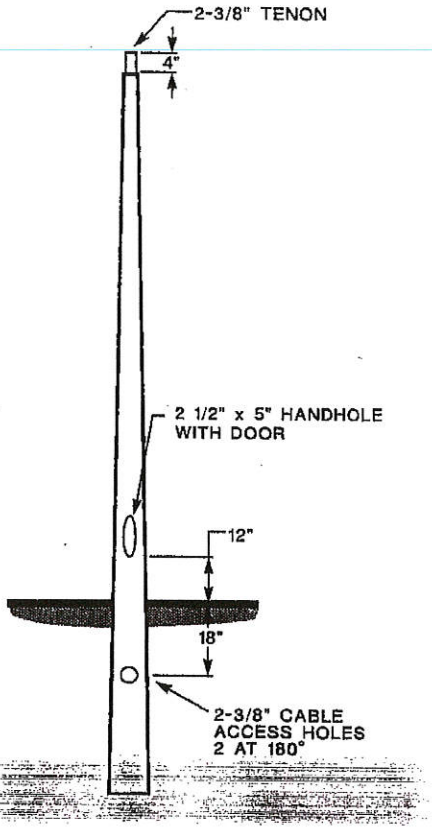
** = Pictures shown as a visual aid only and may not depict specific attributes listed in this schedule.*

Note: Alternate manufacturers are acceptable, only after submitting point by point calculations, to verify comparable photometric performance.

POST TOP DIRECT BURIAL

THE COTTAGES CLUBHOUSE
TYPE S1
MFG: CMT
TB18 X3 HS T300 BLK

Catalog Number	Nominal Mtg. Height (ft.)	Shaft Length (ft.)	Weight of Pole (lb.)	Tip O.D. (in.)	Butt O.D. (in.)	Maximum EPA Per Luminaire (1)			
						80 MPH	90 MPH	100 MPH	120 MPH
40# VERTICAL LOAD									
TB16-B-40	13	16.48	30	3.00	6.56	4.0	2.8	2.0	2.0
TB20-B-40	16	19.75	45	3.00	7.27	3.0	2.2	2.0	2.0
TB24-B-40	20	24.00	60	3.00	8.18	3.4	3.0	2.0	2.0
50# VERTICAL LOAD									
TB13-B-50	10	13.17	24	3.00	5.84	6.0	4.4	3.3	3.3
TB20-B-50	16	19.75	53	3.00	7.27	5.5	4.0	3.3	3.3
TB24-B-50	20	24.00	67	3.00	8.18	5.5	4.2	3.3	3.3
TB30-C-50	25	29.58	92	3.70	10.09	5.5	4.2	3.3	3.3
TB35-C-50	30	35.00	119	3.70	11.26	5.5	4.3	3.3	3.3
TB40-C-50	35	39.37	147	3.70	12.22	5.8	4.4	3.3	3.3
TB46-C-50	40	45.93	209	3.70	13.63	5.8	4.4	3.3	3.3
TB50-C-50	44	49.21	247	3.70	14.33	6.3	4.8	3.3	3.3
100# VERTICAL LOAD									
TB20-D-100	16	19.75	53	4.41	8.68	6.5	5.0	3.5	3.5
TB24-D-100	20	24.00	67	4.41	9.59	6.5	5.0	3.5	3.5
TB30-D-100	25	29.58	97	4.41	10.80	6.5	5.0	3.5	3.5
TB35-D-100	30	35.00	122	4.41	11.97	6.0	4.5	3.5	3.5
TB40-D-100	35	39.37	153	4.41	12.93	6.0	4.5	3.5	3.5
TB46-D-100	40	45.93	205	4.41	14.32	6.0	4.5	3.5	3.5
TB50-D-100	44	49.21	242	4.41	15.04	6.5	5.0	3.5	3.5
200# VERTICAL LOAD									
TB24-D-200	20	24.00	88	4.41	9.59	8.5	7.5	6.0	6.0
TB30-D-200	25	29.58	106	4.41	10.80	7.5	6.0	5.0	5.0
TB35-D-200	30	35.00	147	4.41	11.97	8.0	6.0	4.5	4.5
TB40-D-200	35	39.37	170	4.41	12.93	7.5	6.0	4.5	4.5
TB46-F-200	40	45.93	226	5.12	15.04	9.0	7.0	5.0	5.0
TB50-F-200	44	49.21	259	5.12	15.75	8.6	6.0	4.3	4.3
300# VERTICAL LOAD									
TB35-F-300	30	35.00	160	5.12	12.68	10.5	8.0	6.3	6.3
TB40-F-300	35	39.37	201	5.12	13.64	10.5	8.0	6.3	6.3
TB46-F-300	40	45.93	250	5.12	15.04	10.5	8.0	6.0	6.0
TB50-F-300	44	49.21	303	5.12	15.75	10.5	7.4	5.2	5.2



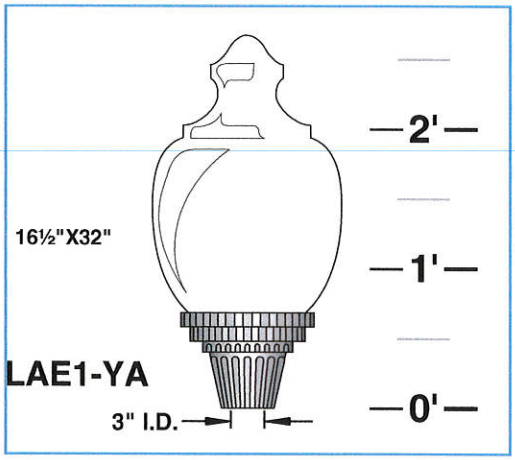
Notes:

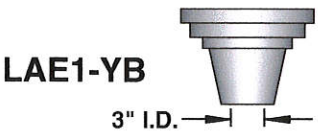
1. Maximum EPAs for 80, 90 and 100 mph were calculated using wind velocities shown with a 1.3 gust factor. Maximum EPA for 120 mph was calculated using wind velocities shown with a 1.0 gust factor.
2. Standard features are as shown on drawing.
3. Available optional features are as shown on page 4 and in the accessories section starting on page 43.
4. Slip fit tenon to be used only with 40# or 50# vertical load series.
5. Available bullhorn brackets shown on p. 46.
6. Reference breakaway section starting on p. 37 for approved breakaway poles.
7. Total weight of fixture(s) and bracket(s) should not exceed applicable vertical load shown above.
8. Tenon-mounted side arm brackets should only be used if they are double, triple or quad arrangements and only if they are symmetrical.

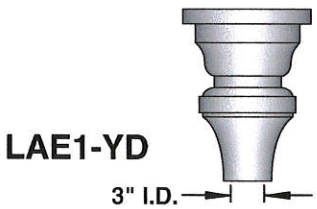
LAE

THE COTTAGES CLUBHOUSE
TYPE S1
MFG: US ARCHITECTURAL
LAE1 YA CP PGIII 250 PSMH MT
PT BLK

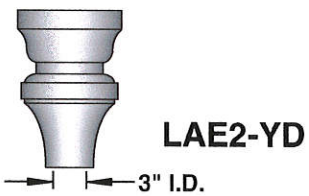
PATTERNED POLYCARBONATE DIFFUSER PROVIDED WITH CAST ALUMINUM FITTER

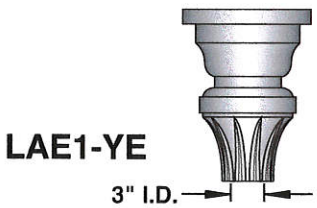




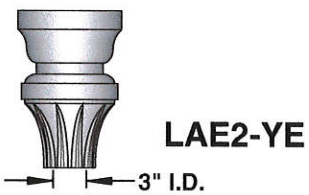


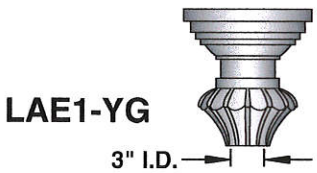
SUITABLE FOR USE WITH TWIST LOCK PHOTOCELL

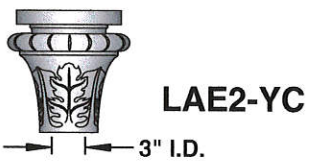




SUITABLE FOR USE WITH TWIST LOCK PHOTOCELL







BALLASTS ARE H.P.F. / C.W.A. AUTOTRANSFORMER, -20° STARTING TEMPERATURE

250 PSMH

		METAL HALIDE	HIGH PRESSURE SODIUM	MERCURY VAPOR	INC.	FOR FLUOR. LAMPS CONSULT FACTORY
LAE1	LAE2	50W.	50W.	50W.	TO 200W.	
		70W.	70W.	75W.		
		100W.	100W.	100W.		
		175W.	150W.	175W.		
		250W.	250W.	250W.		
		400W.	400W.	400W.		

U.L. Listed for wet location

(400 W. LAMP REQUIRES HEAT SHIELD)

INTERNAL LOUVER — IL

WIDE ANGLE LOUVER SYSTEM (LAE1-YD, YE, YG ONLY) — OPT

PRISMATIC GLASS REFRACTOR
TYPE III — PG-III
TYPE V — PG-V

BRASS FINIAL — BF

ORNAMENTAL FINIAL — PF

HEAT SHIELD — HT

HOUSE SIDE SHIELD 90°, 135°, 180° — HS90° HS135° HS180°

CLEAR POLYCARBONATE.....CP

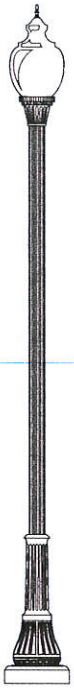
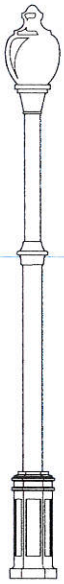
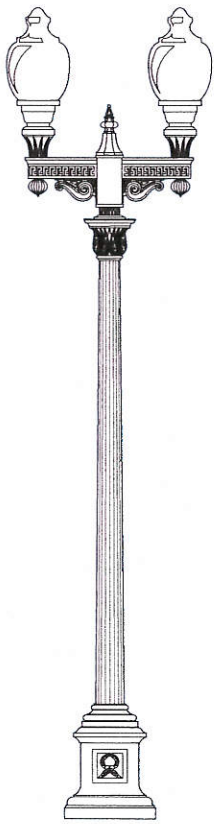
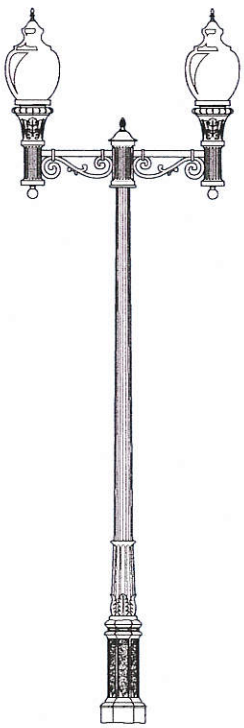
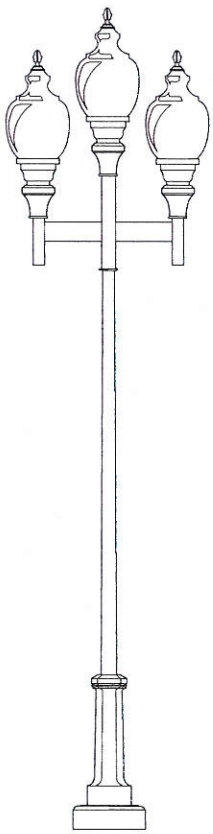
OPAL POLYCARBONATE.....WP

PHOTO CELL + VOLTAGE
(EXAMPLE: PC120V).....PC+V

TWIST LOCK
PHOTO CELL + VOLTAGE
(EXAMPLE: TPC120V).....TPC+V
(YD & YE FITTERS ONLY)

SINGLE FUSE (120V., 277V.).....SF

DOUBLE FUSE (208V., 240V., 480V.).....DF

PT = POST TOP
BLK = BLACK FINISH

sun valley LIGHTING
The Lighting Tradition