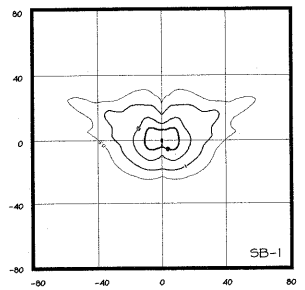
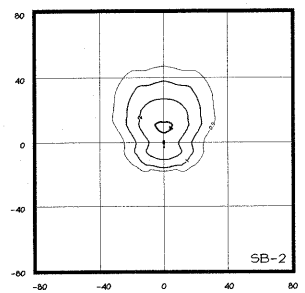
## ISOFOOTCANDLE CURVES




LEGEND (OUTER to INNER): 0.500, 1.00, 2.00, **3.00**

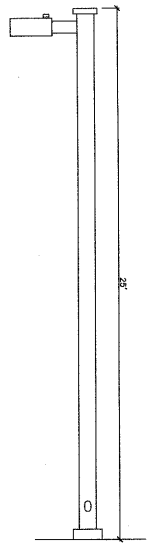
FIXTURE: SHOEBOX
MOUNTING HEIGHT: 20 FT
LAMP: 250W, 10,000 LUMENS, METAL HALIDE
PATTERN: TYPE III




LEGEND (OUTER to INNER): 0.500, 1.00, 2.00, **4.00**

FIXTURE: SHOEBOX - FORWARD THROW
MOUNTING HEIGHT: 20 FT
LAMP: 250W, 10,000 LUMENS, METAL HALIDE
PATTERN: TYPE IV

NOTE:
FOOTCANDLE READINGS ARE MAINTAINED AND HAVE BEEN DEPRECIATED FOR LAMP LUMEN DEPRECIATION AND LUMINAIRE DIRT DEPRECIATION. FOR INITIAL FOOTCANDLES, DIVIDE THE READINGS BELOW BY .64.




## LIGHTING NOTES

1. LIGHT LEVELS AT PROPERTY LINES ADJACENT TO RESIDENTIAL ZONED PROPERTIES WITHIN THE CITY OF SHALL NOT EXCEED 0.5 FOOTCANDLES.
2. LIGHTS WITHIN 25' OF THE PUBLIC ROW MUST BE A TYPE IV, FORWARD THROW FIXTURE. LIGHT LEVELS AT THE ROW SHALL NOT EXCEED 5 FC.
3. MINIMUM MAINTAINED FOOTCANDLE LEVEL AT PEDESTRIAN WALKWAYS SHALL BE 0.6. POLE HEIGHT ADJACENT TO SIDEWALKS 25' MAX.
4. MAX.TO AVG. FOOTCANDLE LEVEL IN LIGHTED AREAS SHOULD BE A RATIO NOT GREATER THAN 6:1. ACTUAL LIGHT LEVELS SHOULD BE VERIFIED BY CONTRACTOR PRIOR TO C.O. DISCREPENCIES SHOULD BE REPORTED TO THE DESIGNER.
5. LIGHTING GRID IS APPLICABLE ONLY TO PEDESTRIAN AND PARKING AREAS AND IS NOT TO PRECLUDE FUTURE INSTALLATION OF ORNAMENTAL AND ARCHITECTURAL LIGHTING INTEGRAL TO THE DESIGN AND AESTHETICS OF THE BUILDING.

| Luminaire Schedule | | | | | | | |
|---|---|---|---|---|---|---|---|
| Project: 2412007 | | | | | | | |
| | Qty | Label | Lamp | Arrangement | Lumens | LLF | Pole Description |
| ←□ | 3 | SB-1 | 250 Watt | TYPE III CUTOFF FIXTURE | 10,000 | 1 | 20' SQUARE, ALUMINUM POLE |
| ←▭ | 2 | SB-2 | 250 Watt | TYPE IV CUTOFF FIXTURE | 10,000 | 1 | 20' SQUARE, ALUMINUM POLE |

REC AREA LIGHTING GRID SUMMARY

L-GRID-01
382 points at z=0, spacing 10ft by 10ft
HORIZONTAL FOOTCANDLES
Average 0.79
Maximum 4.28
Minimum 0.00

GE Lighting Systems lamp(s): MET 175-250
Hendersonville, NC, USA (not specific to a single catalog number)

05-SP-152
APPROVED
TOWN OF CARY
APPROVED BY: DRC DATE: 2-20-06
PLANNING: RPD DATE: 3-15-06
ENGINEERING: TS DATE: 3-15-06

0 20 40 60
SCALE:1"=20'


ETd

ELAM, TODD, d'AMBROSI
URBAN PLANNING • LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING • LAND USE CONSULTING

2601 WESTON PARKWAY / SUITE 203
CARY, NORTH CAROLINA 27513 USA

(OFFICE) 919.678.1071
(FAX) 919.678.1290
(EMAIL) etd@etdpa.com


# WESTLAKE SUBDIVISION
## PHASE III

## RECREATION AREA

## LIGHTING PLAN

CLIENT:
D. R. HORTON
3949 BROWNING PLACE
RALEIGH, NC 27607
(919) 854-9557

ENGINEER:
SPAULDING & NORRIS
972 TRINITY ROAD
RALEIGH, NC 27607
(919) 854-7990

SURVEYOR:
KENNETH CLOSE, INC.
970 TRINITY ROAD
RALEIGH, NC 27607
919-851-2344

Drawn By: BMH
Checked By: BDM
Date: 12-08-05
Proj#: 2412007

Revisions

SHEET
RS - 2


C:\Projects\DR_HORTON_WESTLAKE_CONSTRUCTION_DRAW_2412007\DRAWINGS\CURRENT\REC-CENTER\2412007_BASE-REC.dwg, 1/25/2006 3:14:11 PM, ETd City 919-678-1071