

PLATTING APPLICATION FEES:

☐ MASTER PLAT (\$100.00 + \$15.00 ACRE) 1

DEVELOPMENT APPLICATION

City of Rockwall Planning and Zoning Department 385 S. Goliad Street Rockwall, Texas 75087

PLANNING & ZONING CASE NO.
<u>NOTE:</u> THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.
DIRECTOR OF PLANNING:

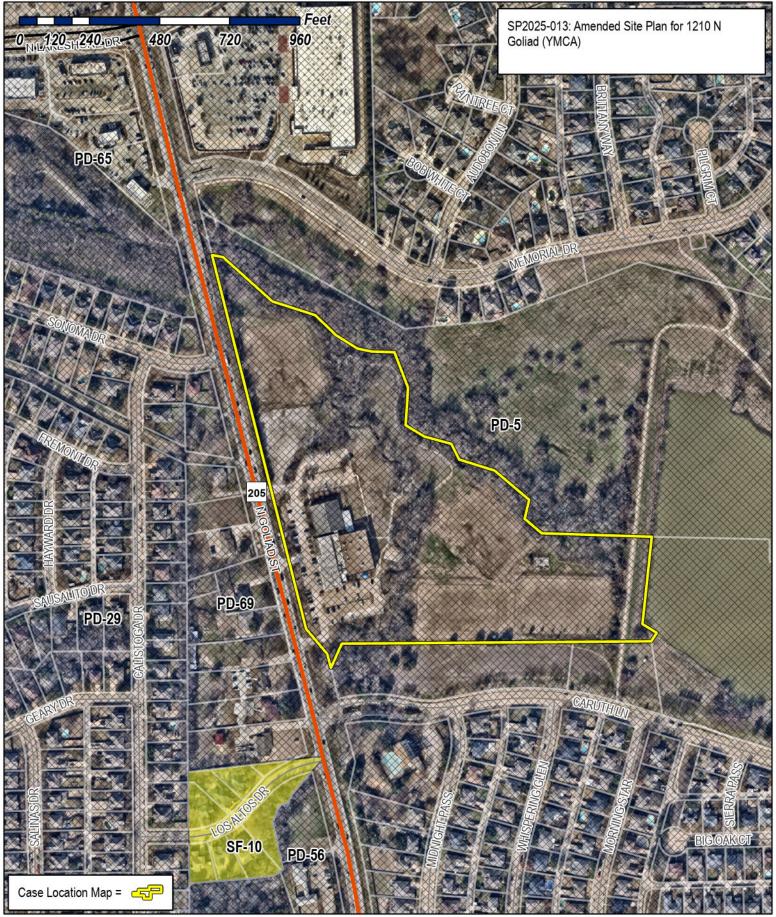
CITY ENGINEER:

☐ ZONING CHANGE (\$200.00 + \$15.00 ACRE) 1

ZONING APPLICATION FEES:

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST [SELECT ONLY ONE BOX]:

☐ FINAL PLAT (\$3 ☐ REPLAT (\$300.0 ☐ AMENDING OR	PLAT (\$200.00 + \$15.00 ACRE) 00.00 + \$20.00 ACRE) 10 + \$20.00 ACRE) MINOR PLAT (\$150.00) FEMENT REQUEST (\$100.00)	☐ PD DEVELOF OTHER APPLIC. ☐ TREE REMO'	☐ SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE) 1 8 2 ☐ PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE) 1 OTHER APPLICATION FEES: ☐ TREE REMOVAL (\$75.00) ☐ VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00) 2					
	CATION FEES: 0.00 + \$20.00 ACRE) ¹ : PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)	PER ACRE AMOUNT. 2: A \$1,000.00 FEE V	HE FEE, PLEASE USE FOR REQUESTS ON L MILL BE ADDED TO CTION WITHOUT OR	ESS THAN ONE ACI THE APPLICATION	RE, ROUND UP TO (FEE FOR ANY RI	ONE (1) ACRE. EQUEST THAT		
PROPERTY INFO	DRMATION [PLEASE PRINT]							
ADDRESS	1210 N Goliad, TX,							
SUBDIVISION	ROCKWALL CO BRANCH YMCA		LOT	2	BLOCK	Α		
GENERAL LOCATION	NEC of SH205 (N. Goliad St) & Caruth Lane							
ZONING, SITE PI	AN AND PLATTING INFORMATION (PLE	ASE PRINT]						
CURRENT ZONING	PD - 5 w/North-SH205 Overlay	CURRENT USE	Community of	or Recreation (Club			
PROPOSED ZONING	PD-5 w/ North SH205 Overlay (No Change)	PROPOSED USE	Community o	r Recreation (Club (No Chan	ge)		
ACREAGE	21.378 LOTS [CURRE	NTJ 1	LOT	S [PROPOSED	oj 1			
REGARD TO ITS RESULT IN THE D	D PLATS: BY CHECKING THIS BOX YOU ACKNOWLEDGE APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY (DENIAL OF YOUR CASE.	OF STAFF'S COMMENTS BY	THE DATE PROV	IDED ON THE D	PEVELOPMENT (EXIBILITY WITH CALENDAR WILL		
	ANT/AGENT INFORMATION [PLEASE PRINT/ Y.M.C.A. of Metropolitan Dallas	CHECK THE PRIMARY CON APPLICANT	TACT/ORIGINAL S Spiars Engine		RE REQUIRED]			
OWNER CONTACT PERSON	Todd Baker	CONTACT PERSON	David Bond, P					
ADDRESS	1621 W Walnut Hill Ln	ADDRESS	501 W Preside		ısh Hwy			
ABBILLOO			Suite 200					
CITY, STATE & ZIP	Irving, Texas, 75038.	CITY, STATE & ZIP	Richardson, T	exas, 75080.				
PHONE		PHONE	972.422.0077					
E-MAIL	tbaker@YMCADALLAS.org	E-MAIL	david.bond@s	spiarsenginee	ring.com			
BEFORE ME, THE UNDE	CATION [REQUIRED] RSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEA ION ON THIS APPLICATION TO BE TRUE AND CERTIFIED T		alur	[OWNE	<i>R</i>] THE UNDEF	RSIGNED, WHO		
\$ 100.00	I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION. TO COVER THE COST OF THIS APPLICATION. 20 25 BY SIGNING THIS APPLICATION, I AGE WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY TION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS AGE	HAS BEEN PAID TO THE CITY GREE THAT THE CITY OF RO IS ALSO AUTHORIZED AND	Y OF ROCKWALL OI OCKWALL (I.E. "CIT! O PERMITTED TO	N THIS THE Y") IS AUTHORIZI REPRODUCE AI	ED AND PERMIT	DAY OF TED TO PROVIDE TO INFORMATION		
GIVEN UNDER MY HAND	O AND SEAL OF OFFICE ON THIS THE 15 DAY OF OWNER'S SIGNATURE	april 20 I	2	a Ay	JIME DIXON Notary ID #676 Commission I February 28,	66047 Expires		
	O FOR THE STATE OF TEXAS	ika		MISSICN EXPIR	0-0.0	8 2028		
D	EVELOPMENT APPLICATION • CITY OF ROCKWALL • 385	SOUTH GOLIAD STREET •	KUCKWALL, TX 7.	5087 • [P] (972,	17/1-//45			



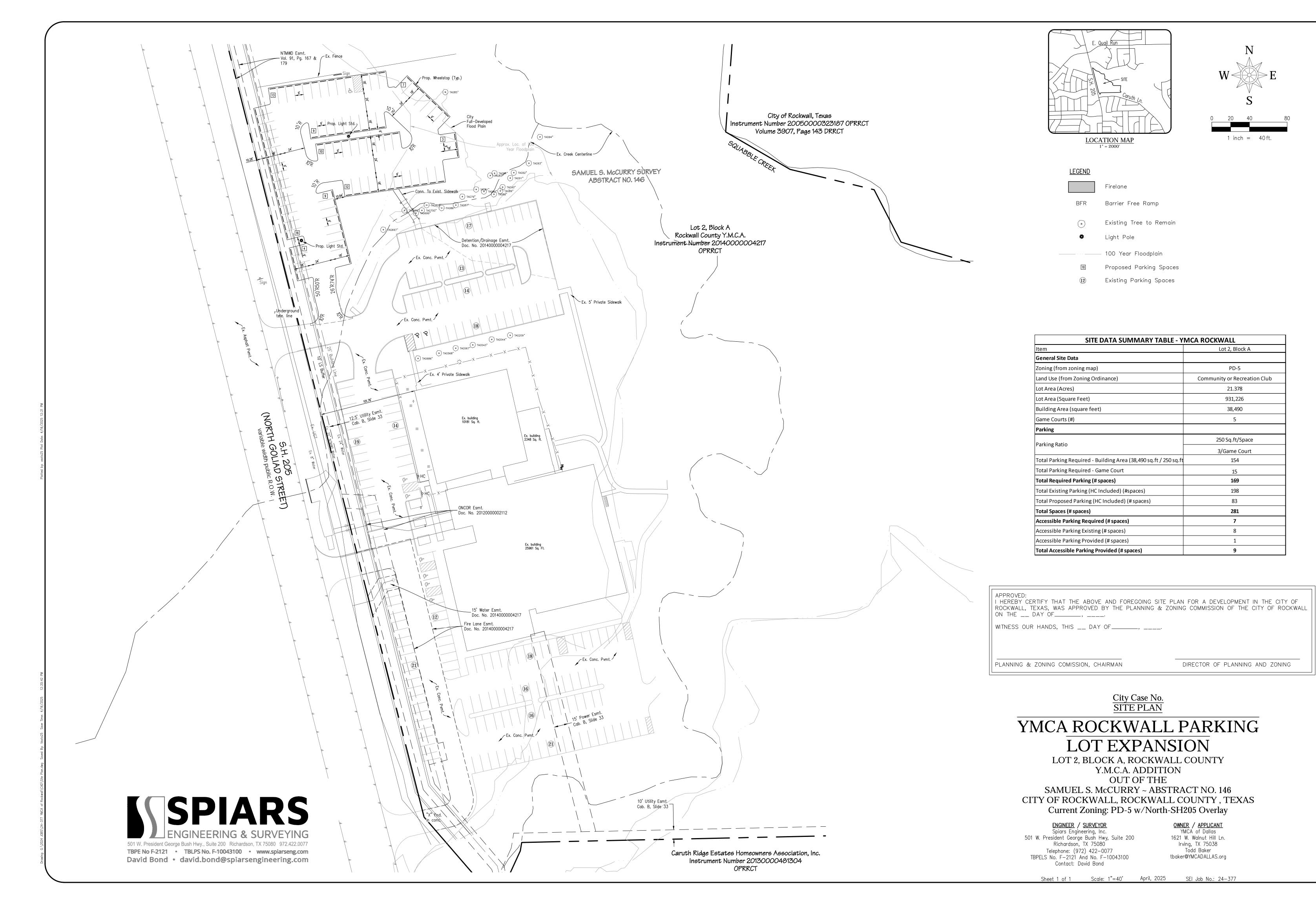


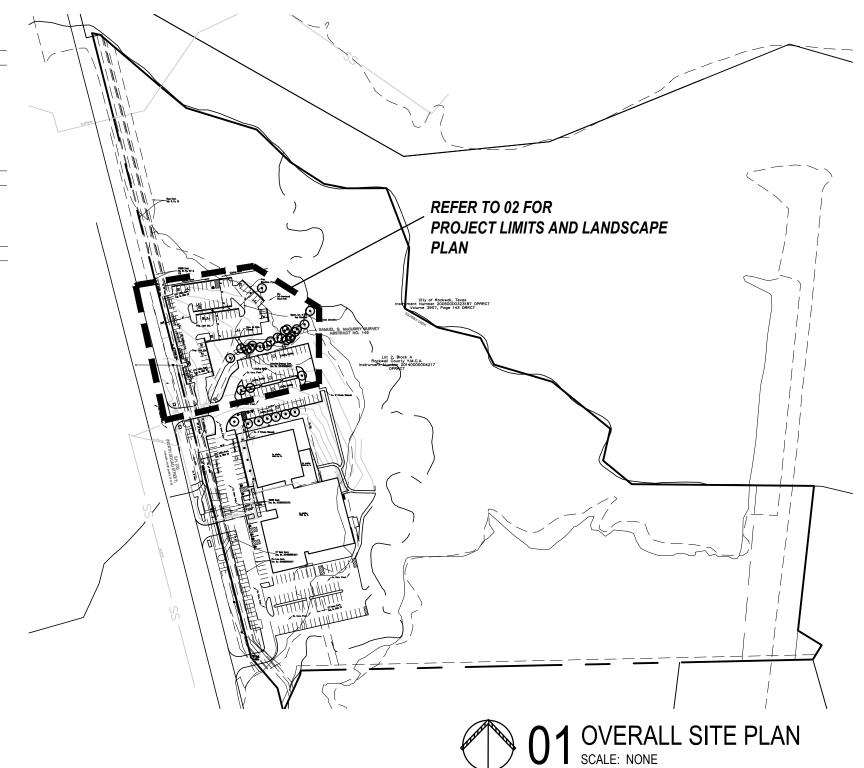
City of Rockwall Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087

(P): (972) 771-7745 (W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.







SOLID SOD NOTES

- 1. Fine grade areas to achieve final contours indicated. Leave areas to receive topsoil 3" below final desired grade in planting areas and 1" below final grade in turf areas.
- Adjust contours to achieve positive drainage away from buildings. Provide uniform rounding at top and bottom of slopes and other breaks in grade. Correct irregularities and areas where water may stand.
- 3. All lawn areas to receive solid sod shall be left in a maximum of 1" below final finish grade. Contractor to coordinate operations with on-site Construction Manager.
- 4. Contractor to coordinate with on-site Construction Manager for availability of existing topsoil.
- 5. Plant sod by hand to cover indicated area completely. Insure edges of sod are touching. Top dress joints by hand with topsoil to fill voids.
- 6. Roll grass areas to achieve a smooth, even surface, free from unnatural

8. Contractor shall maintain all lawn areas until final acceptance. This shall

- 7. Water sod thoroughly as sod operation progresses.
- include, but not limited to: mowing, watering, weeding, cultivating, cleaning and replacing dead or bare areas to keep plants in a vigorous,
- Contractor shall guarantee establishment of an acceptable turf area and shall provide replacement from local supply if necessary.
- 10. If installation occurs between September 1 and March 1, all sod areas to be over-seeded with Winter Ryegrass, at a rate of (4) pounds per one thousand (1000) square feet.

80' spacing

GENERAL LAWN NOTES

- 1. Fine grade areas to achieve final contours indicated on civil plans.
- 2. Adjust contours to achieve positive drainage away from buildings. Provide uniform rounding at top and bottom of slopes and other breaks in grade. Correct irregularities and areas where water may stand.
- 3. All lawn areas to receive solid sod shall be left in a maximum of 1" below final finish grade. Contractor to coordinate operations with on-site Construction Manager.
- 4. Imported topsoil shall be natural, friable soil from the region, known as bottom and soil, free from lumps, clay, toxic substances, roots, debris, vegetation, stones, containing no salt and black to brown in color.
- 5. All lawn areas to be fine graded, irrigation trenches completely settled, and finish grade approved by the Owner's Construction Manager or Architect prior to installation.
- 6. All rocks 3/4" diameter and larger, dirt clods, sticks, concrete spoils, etc. shall be removed prior to placing topsoil and any lawn installation
- 7. Contractor shall provide (1") one inch of imported topsoil on all areas to receive lawn.

MAINTENANCE NOTES

- 1. The Owner, tenant and their agent, if any, shall be jointly and severally responsible for the maintenance of all landscape.
- 2. All landscape shall be maintained in a neat and orderly manner at all times. This shall include mowing, edging, pruning, fertilizing, watering, weeding and other such activities common to landscape maintenance.
- 3. All landscape areas shall be kept free of trash, litter, weeds and other such material or plants not part of this plan.
- 4. All plant material shall be maintained in a healthy and growing condition as is appropriate for the season of the year.
- 5. All plant material which dies shall be replaced with plant material of equal or better value.
- 6. Contractor shall provide separate bid proposal for one year's maintenance to begin after final acceptance.

 $\frac{\text{OWNER}}{\text{YMCA}} \neq \frac{\text{APPLICANT}}{\text{Dallas}}$

1621 W. Walnut Hill Ln. Irving, TX 75038

Todd Baker

tbaker@YMCADALLAS.org

ENGINEER / SURVEYOR

Spiars Engineering, Inc.

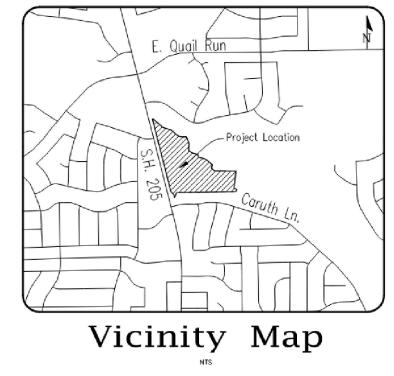
Richardson, TX 75080

Contact: David Bond

ON THE __ DAY OF____, ____.

PLANNING & ZONING COMISSION, CHAIRMAN

WITNESS OUR HANDS, THIS __ DAY OF____, ____



SITE REQUIREMENTS (site area: ARTIFICIAL LOT: 38,446 s.f.) Requirements: 15% site area to be landscaped

5,767 s.f. (15%) 10,550 s.f. (27.4%) FRONT YARD REQUIREMENTS Requirements: 50% of required landscape must be

located in front yard

3,054 s.f. 2,884 s.f. (50%)

Requirements: (3) canopy trees and (4) accent trees per 100 l.f of strreet frontage

North Goliad (257.0 l.f.: to limits of new parking lot) (7) canopy trees, 4" cal. (4) existing trees (10) accent trees (7) new trees, 4" cal. (7) existing accent trees (8) new accent trees

PARKING LOT (64 spaces / 28,448 s.f.) Requirements: 5% or 200 s.f. of landscape in the interior parking lot (1) tree, 3" cal. per 10 spaces for parking lots exceeding 20,000 s.f.

(6) trees, 3" cal. (2) trees, 6" cal. 1,422.4 s.f. 2,466 s.f.

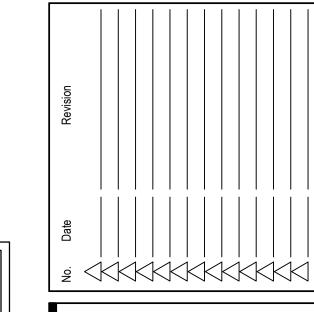
ALL TREES TO BE PLANTED 5' FROM WATER, SEWER AND STORM SEWER LINES

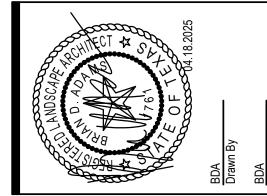
ALL TREES AND SHRUBS TO BE SETBACK 4' FROM ALL HEAD-IN PARKING

All irrigation to meet the requirements of the UDC.

LANDSCAPE NOTES

- 1. Contractor shall verify all existing and proposed site elements and notify Architect of any discrepancies. Survey data of existing conditions was supplied by others.
- 2. Contractor shall locate all existing underground utilities and notify Architect of any conflicts. Contractor shall exercise caution when working in the vicinity of underground utilities.
- 3. Contractor is responsible for obtaining all required landscape and irrigation permits.
- 4. Contractor to provide a minimum 2% slope away from all structures.
- 5. All planting beds and lawn areas to be separated by steel edging. No steel to be installed adjacent to sidewalks or curbs.
- 6. All landscape areas to be 100% irrigated with an underground automatic irrigation system and shall include rain and freeze sensors.
- 7. All lawn areas to be Solid Sod Bermudagrass, unless otherwise noted on





City Case No. LANDSCAPE PLAN

DIRECTOR OF PLANNING AND ZONING

YMCA ROCKWALL PARKING

I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWALL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL

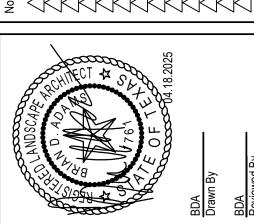
> SAMUEL S. McCURRY ~ ABSTRACT NO. 146 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS Current Zoning: PD-5 w/North-SH205 Overlay

LOT EXPANSION

LOT 2, BLOCK A, ROCKWALL COUNTY Y.M.C.A. ADDITION OUT OF THE

smr landscape architects, inc. 1708 N. Griffin Street Dallas, Texas 75202 Tel 214.871.0083 Fax 214.871.0545 Email smr@smr-la.com

CHILTC OCKW



501 W. President George Bush Hwy, Suite 200 Telephone: (972) 422-0077 TBPELS No. F-2121 And No. F-10043100

1.1 REFERENCED DOCUMENTS

Refer to bidding requirements, special provisions, and schedules for additional requirements.

1.2 DESCRIPTION OF WORK

Work included: Furnish all supervision, labor, materials, services, equipment and appliances required to complete the work covered in conjunction with the landscaping covered in these specifications and landscaping plans, including:

- . Planting (trees, shrubs, and grass)
- Bed preparation and fertilization Notification of sources
- 4. Water and Maintenance until final acceptance Guarantee

1.3 REFERENCE STANDARDS

- American Standard for Nursery Stock published by American Association of Nurserymen: 27 October 1980, Edition; by American National Standards Institute, Inc. (Z60.1) - plant
- American Joint Committee on Horticultural Nomenclature: 1942 Edition of Standardized
- Plant Names.
- Texas Association of Nurserymen, Grades and Standards.

Hortis Third, 1976 - Cornell University 1.4 NOTIFICATION OF SOURCES AND SUBMITTALS

- The Contractor shall, within ten (10) days following acceptance of bid, notify the Architect/Owner of the sources of plant materials and bed preparation required for the
- Samples: Provide representative quantities of sandy loam soil, mulch, bed mix material, gravel, and crushed stone. Samples shall be approved by Architect before use on
- Product Data: Submit complete product data and specifications on all other specified
- Submit three representative samples of each variety of ornamental trees, shrubs, and groundcover plants for Architect's approval. When approved, tag, install, and maintain as esentative samples for final installed plant materials.
- File Certificates of Inspection of plant material by state, county, and federal authorities with Architect, if required
- Soil Analysis: Provide sandy loam soil analysis if requested by the Architect.

PART 3 - EXECUTION

- 3.1 BED PREPARATION & FERTILIZATION
- Landscape Contractor to inspect all existing conditions and report any deficiencies to the
- All planting areas shall be conditioned as follows:
- 1. Prepare new planting beds by scraping away existing grass and weeds as necessary. Till existing soil to a depth of six (6") inches prior to placing compost and fertilizer. Apply fertilizer as per manufacturers recommendations. Add six (6") inches of compost and till into a depth of six (6") inches of the topsoil. Apply organic fertilizer such as Sustane or Green Sense at the rate of twenty (20) pounds per one thousand (1.000) square feet.
 - 2. All planting areas shall receive a two (2") inch layer of specified mulch. 3. Backfill for tree pits shall be as follows: Use existing top soil on site (use imported topsoil as needed) free from large clumps, rocks, debris, caliche, subsoils, etc., placed in nine (9") inch layers and watered in thoroughly.
- C. Grass Areas:
 - 1. Areas to be Solid Sod Bermudagrass: Blocks of sod should be laid joint to joint, (staggered joints) after fertilizing the ground first. Roll grass areas to achieve a smooth, even surface. The joints between the blocks of sod should be filled with topsoil where they are evidently gaped open, then watered thoroughly.
 - 2. Areas to be Hydromulch Common Bermudagrass: Hydromulch with bermudagrass seed at a rate of two (2) pounds per one thousand (1,000) square feet. Use a 4' x 8' batter board against the bed areas.

- Maintenance of plant materials shall begin immediately after each plant is delivered to the site and shall continue until all construction has been satisfactorily accomplished
- Plant materials shall be delivered to the site only after the beds are prepared and area ready for planting. All shipments of nursery materials shall be thoroughly protected from the drying winds during transit. All plants which cannot be planted at once, after delivery to the site, shall be well protected against the possibility of drying by wind and sun. Balls of earth of B & B plants shall be kept covered with soil or other acceptable material. All plants remain the property of the Contractor until final acceptance.
- Position the trees and shrubs in their intended location as per plan
- Notify the Landscape Architect for inspection and approval of all positioning of plant
- Excavate pits with vertical sides and horizontal bottom. Tree pits shall be large enough to permit handling and planting without injury to balls of earth or roots and shall be of such depth that, when planted and settled, the crown of the plant shall bear the same relationship to the finish grade as it did to soil surface in original place of growth.

JOB CONDITIONS

- General Contractor to complete the following punch list: Prior to Landscape Contractor initiating any portion of landscape installation, General Contractor shall leave planting bed areas three (3") inches below finish grade of sidewalks, drives and curbs as shown on the drawings. All lawn areas to receive solid sod shall be left one (1") inch below the finish grade of sidewalks, drives, and curbs. All construction debris shall be removed prior to Landscape Contractor beginning any work.
- B. General Contractor shall provide topsoil as described in Section 02200 Earthwork.
- Storage of materials and equipment at the job site will be at the risk of the Landscape ntractor. The Owner cannot be held responsible for theft or damage.

1.6 MAINTENANCE AND GUARANTEE

A. Maintenance:

- 1. The Landscape Contractor will be held responsible for the maintenance of all work from the time of planting until final acceptance by the Owner. No trees, shrubs, groundcover or grass will be accepted unless they show a healthy growth and
- satisfactory foliage conditions. Maintenance shall include watering of trees and plants, cultivation, weeding spraying, edging, pruning of trees, mowing of grass, cleaning up and all other work necessary
- 3. A written notice requesting final inspection and acceptance should be submitted to the Owner at least seven (7) days prior to completion. An on-site inspection by
- Owner and Landscape Contractor will be completed prior to written acceptance. 4. After final acceptance of installation, the Landscape Contractor will not be required to do any of the above listed work.

- Trees shall be guaranteed for a twelve (12) month period after acceptance. Shrubs and groundcover shall be guaranteed for twelve (12) months. The Contractor shall replace all dead materials as soon as weather permits and upon notification of the Owner. Plants, including trees, which have partially died so that shape, size, or symmetry has been damaged, shall be considered subject to replacement. In such cases, the opinion of the Owner shall be final.
 - a. Plants used for replacement shall be of the same size and kind as those originally planted and shall be planted as originally specified. All work, including materials, labor and equipment used in replacements, shall carry a twelve (12) month guarantee. Any damage, including ruts in lawn or bed areas, incurred as a result of making replacements shall be immediately
- b. At the direction of the Owner, plants may be replaced at the start of the next year's planting season. In such cases, dead plants shall be removed from the
- premises immediately. c. When plant replacements are made, plants, soil mix, fertilizer and mulch are to be utilized as originally specified and reinspected for full compliance with Contract requirements. All replacements are to be included under "Work" of
- Shrub and tree pits shall be no less than two (2') feet, twenty-four (24") inches, wider than the lateral dimension of earth ball and six (6") inches deeper than it's vertical dimension. Remove and haul from site all rocks and stones over one (1") inch in diameter. Plants

should be thoroughly moist before removing containers.

- G. Dig a wide, rough sided hole exactly the same depth as the height of the ball, especially at the surface of the ground. The sides of the hole should be rough and jagged, never slick
- H. Percolation Test: Fill the hole with water. If the water level does not percolate within 24 hours, the tree needs to move to another location or have drainage added. Install a PVC stand pipe per tree planting detail as approved by the Landscape Architect.
- Backfill only with 5 parts existing soil or sandy loam and 1 part bed preparation. When the hole is dug in solid rock, topsoil from the same area should not be used. Carefully settle by watering to prevent air pockets. Remove the burlap from the top 1/3 of the ball as well as all nylon, plastic string and wire mesh. Container trees will usually be pot bound, if so follow standard nursery practice of 'root scoring'.
- J. Do not wrap trees
- K. Do not over prune.
- Mulch the top of the ball. Do not plant grass all the way to the trunk of the tree. Leave the area above the top of the ball and mulch with at least two (2") inches of specified mulch.
- M. All plant beds and trees to be mulched with a minimum settled thickness of two (2")
- Obstruction below ground: In the event that rock, or underground construction work or obstructions are encountered in any plant pit excavation work to be done under this section, alternate locations may be selected by the Owner. Where locations cannot be changed, the obstructions shall be removed to a depth of not less than three (3') feet pelow grade and no less than six (6") inches below the bottom of ball when plant is properly set at the required grade. The work of this section shall include the removal from
- Trees and large shrubs shall be staked as site conditions require. Position stakes to secure tree against seasonal prevailing winds.
- Pruning and Mulching: Pruning shall be directed by the Architect and shall be pruned in accordance with standard horticultural practice following Fine Pruning, Class I pruning standards provided by National Arborist Association.

the site of such rock or underground obstructions encountered at the cost of the

- 1. Dead wood or suckers and broken badly bruised branches shall be removed. General tipping of the branched is not permitted. Do not cut terminal branches. Pruning shall be done with clean, sharp tools Immediately after planting operations are completed, all tree pits shall be covered with a layer of organic material two (2") inches in depth. This limit of the organic material
- Steel Curbing Installation: 1. Curbing shall be aligned as indicated on plans. Stake out limits of steel curbing and obtain Owners approval prior to installation
- All steel curbing shall be free of kinks and abrupt bends. Top of curbing shall be 3/4" maximum height above grade Stakes are to be installed on the planting bed side of the curbing, as opposed to the
- Do not install steel edging along sidewalks. . Cut steel edging at 45 degree angle where edging meets sidewalk.

3.3 CLEANUP AND ACCEPTANCE

Cleanup: During the work, the premises shall be kept neat and orderly at all times. Storage areas for all materials shall be so organized that they, too, are neat and orderly. All trash and debris shall be removed from the site as work progresses. Keep paved areas clean by sweeping or hosing at end of each days work.

END OF SECTION

- 2. The Owner agrees that for the guarantee to be effective, he will water plants at least twice a week during dry periods and cultivate beds once a month after final
- 3. The above guarantee shall not apply where plants die after acceptance because of injury from storms, hail, freeze, insects, diseases, injury by humans, machines or
- 4. Acceptance for all landscape work shall be given after final inspection by the Owner provided the job is in a completed, undamaged condition, and there is a stand of grass in all lawn areas. At this time, the Owner will assume maintenance on the
- Repairs: Any necessary repairs under the Guarantee must be made within ten (10) days after receiving notice, weather permitting, and in the event the Landscape Contractor does not make repairs accordingly, the Owner, without further notice to Contractor, may provide materials and men to make such repairs at the expense of the Landscape

1.7 QUALITY ASSURANCE

- General: Comply with applicable Federal, State, County and Local regulations governing landscape materials and work
- Personnel: Employ only experienced personnel who are familiar with the required work. Provide full time supervision by a qualified foreman acceptable to Landscape Architect.
- Selection of Plant Material:
 - 1. Make contact with suppliers immediately upon obtaining notice of contract acceptance to select and book materials. Develop a program of maintenance (pruning and fertilization) which will insure the purchased materials will meet and/or exceed project
 - specifications. 2. Landscape Architect will provide a key identifying each tree location on site. Written
 - verification will be required to document material selection, source and delivery schedules to site. 3. Owner and/or Architect shall inspect all plant materials when reasonable at place of
- growth for compliance with requirements for genus, species, cultivar/variety, size and 4. Owner and/or Architect retains the right to further inspect all plant material upon arrival at the site and during installation for size and condition of root balls, limbs,
- branching habit, insects, injuries, and latent defects. 5. Owner and/or Architect may reject unsatisfactory or defective material at any time during the process of work. Remove rejected materials from the site immediately. Plants damaged in transit or at job site shall be rejected.

1. Balled and Burlapped (B&B) Plants: Dig and prepare shipment in a manner that will

2X DIAMETER

OF ROOTBALL

SPACING PER PLANT LIST

NOT TO SCALE

NOT TO SCALE

TREE PLANTING DETAIL

SHRUB PLANTING DETAIL

STEEL EDGING DETAIL

1.8 PRODUCT DELIVERY, STORAGE AND HANDLING

4" DIA. PERFORATED

PVC PIPE W/ CAP -

PAINTED BLACK

not damage roots, branches, shape, and future development. 2. Container Grown Plants: Deliver plants in rigid container to hold ball shape and protect root mass.

- A. Delivery:
- 1. Deliver packaged materials in sealed containers showing weight, analysis and name of manufacturer. Protect materials from deterioration during delivery and while stored
- 2. Deliver only plant materials that can be planted in one day unless adequate storage and watering facilities are available on job site.
- 3. Protect root balls by heeling in with sawdust or other approved moisture retaining material if not planted within 24 hours of delivery.
- 4. Protect plants during delivery to prevent damage to root balls or desiccation of leaves. Keep plants moist at all times. Cover all materials during transport.
- 5. Notify Architect of delivery schedule 72 hours in advance so plant material may be observed upon arrival at job site.
- 6. Remove rejected plant material immediately from site. 7. To avoid damage or stress, do not lift, move, adjust to plumb, or otherwise

manipulate plants by trunk or stems.

Architect and his decision as to their acceptability shall be final.

PART 2 - PRODUCTS

— DO NOT CUT CENTRAL LEADER

'TREE STAKE SOLUTIONS'

— 2" HIGH WATERING RING

FINISH GRADE SCARIFY SIDES

ROOTBALL, DO NOT DISTURB. TOP

EXISTING GRADE. REMOVE TOP 1/3 BURLAP.

OF ROOTBALL TO BE SET 1" ABOVE

-NATIVE SOIL, REF. SPECIFICATIONS

-CRUSHED ROCK

REF. PLAN FOR SHRUB TYPE

FINISH GRADE

SHRUBS AND GROUNDCOVER REFER TO PLANS FOR PLANT TYPES

3" DOUBLE SHREDDED HARDWOOD

1/8" X 4" GREEN STEEL EDGING

PREPARED SOIL MIX PER SPECIFICATIONS

WITH STAKES

NOTE: POCKET PLANTING NOT

NOTE: NO STEEL EDGING TO BE INSTALLED

ALONG SIDEWALKS

NOT TO SCALE

3" DOUBLE SHREDDED HARDWOOD

ROOTBALL, DO NOT DISTURB PREPARED SOIL MIX PER SPECS. 6" MIN. OF PREPARED SOIL MIX TILLED INTO EXISTING SOIL TO

-3" LAYER MULCH, REF. SPECIFICATIONS

REFERENCE PLAN FOR TREE TYPE

- General: Well-formed No. 1 grade or better nursery grown stock. Listed plant heights are from tops of root balls to nominal tops of plants. Plant spread refers to nominal outer width of the plant, not to the outer leaf tips. Plants will be individually approved by the
- Quantities: The drawings and specifications are complimentary. Anything called for on one and not the other is as binding as if shown and called for on both. The plant schedule is an aid to bidders only. Confirm all quantities on plan.
- Quality and size: Plant materials shall conform to the size given on the plan, and shall be healthy, symmetrical, well-shaped, full branched, and well rooted. The plants shall be free from injurious insects, diseases, injuries to the bark or roots, broken branches, objectionable disfigurements, insect eggs and larvae and are to be of specimen quality.
- Approval: All plant materials shall be subject to the approval of the Owner. All plants which are found unsuitable in growth, or in any unhealthy, badly shaped, or undersized condition, will be rejected by the Landscape Architect, either before or after planting, and shall be removed at the expense of the Landscape Contractor and replaced with acceptable plants as specified.
- Trees shall be healthy, full-branched, well-shaped and shall meet the trunk diameter and height requirements of the plant schedule. Balls shall be firm, neat, slightly tapered, and well wrapped in burlap. Any tree loose in the ball or with broken ball at time of planting will be rejected. Balls shall be ten (10") inched in diameter for each one (1") inch of trunk diameter, Measured six (6") inched above ball.
- "multi-trunk" defines a plant having three (3) or more trunks of nearly equal diameter Pruning: All pruning of trees and shrubs, as directed by the Landscape Architect, shall be executed by the Landscape Contractor at no additional cost to the Owner.

Nomenclature conforms to the customary nursery usage: for clarification, the term

A = ROW SPACING B = ON CENTER SPACING

SPACE PLANTS IN A TRIANGULAR

FROM EACHOTHER AT SPACING

HARDWOOD MULCH IN BED PRIOR TO -

PREPARE GROUNDCOVER

ARFA PROVIDE SOIL MIX

SPECIFICATIONS

ENGINEER / SURVEYOR

Spiars Engineering, Inc. 501 W. President George Bush Hwy, Suite 200

Richardson, TX 75080

Telephone: (972) 422-0077

TBPELS No. F-2121 And No. F-10043100

Contact: David Bond

B GROUNDCOVER PLANTING DETAIL

BED BY TILLING ENTIRE BED-

AS DEFINED IN THE LANDSCAPE

PLANTING GROUNDCOVER/ANNUALS.

INDICATED ON PLANT LIST.

3" MULCH DOUBLE SHREDED

PATTERNAS SHOWN, SPACED EQUALLY

2.2 SOIL PREPARATION MATERIALS

A. Sandy Loam:

- 1. Friable, fertile, dark, loamy soil, free of clay lumps, subsoil, stones and other extraneous material and reasonably free of weeds and foreign grasses. Loam containing Dallasgrass or Nutgrass shall be rejected. Physical properties as follows:
 - Clay between 7-27 percent Silt - between 15-25 percent Sand - less than 52 percent
- 3. Organic matter shall be 3%-10% of total dry weight. 4. If requested, provide a certified soil analysis conducted by an approved soil testing laboratory verifying that sandy loam meets the above requirements
- Organic Material: Compost with a mixture of 80% vegetative matter and 20% animal vaste. Ingredients should be a mix of course and fine textured material.
- Premixed Bedding Soil as supplied by Vital Earth Resources, Gladewater, Texas; Professional Bedding Soil as supplied by Living Earth Technology, Dallas, Texas or Acid Gro Municipal Mix as supplied by Soil Building Systems, Dallas, Texas or approved equal.
- Sharp Sand: Sharp sand must be free of seeds, soil particles and weeds.
- Mulch: Double Shredded Hardwood Mulch, partially decomposed, dark brown. Living Earth Technologies or approved equal.
- Organic Fertilizer: Fertilaid, Sustane, or Green Sense or equal as recommended for required applications. Fertilizer shall be delivered to the site in original unopened containers, each bearing the manufacturer's guaranteed statement of analysis.
- Commercial Fertilizer: 10-20-10 or similar analysis. Nitrogen source to be a minimum 50% slow release organic Nitrogen (SCU or UF) with a minimum 8% sulphur and 4% iron,
- Peat: Commercial sphagnum peat moss or partially decomposed shredded pine bark or other approved organic material.

2.3 MISCELLANEOUS MATERIALS

- Steel Edging: Shall be Ryerson "Estate Curbing", 1/8" x 4" with stakes 4' on center.
- B. Staking Material for Shade Trees: 1. Post: Studded T-Post, #1 Armco with anchor plate; 6'-0" length; paint green. 2. Wire: 12 gauge, single strand, galvanized wire.
- 3. Rubber hose: 2 ply, fiber reinforced hose, minimum ½ inch inside diameter. Color:

Co., (214) 631-5250 or approved equal.

PLANNING & ZONING COMISSION, CHAIRMAN

<u>OWNER</u> / <u>APPLICANT</u>

YMCA of Dallas

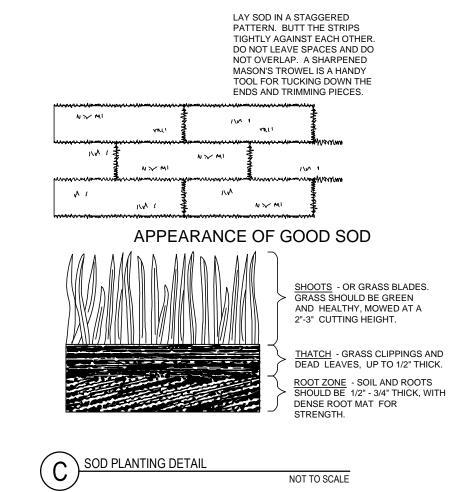
1621 W. Walnut Hill Ln.

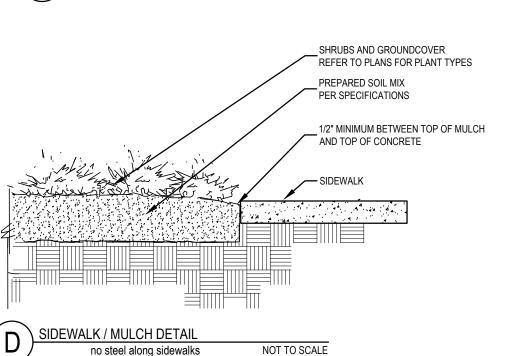
Irving, TX 75038

Todd Baker

tbaker@YMCADALLAS.org

Gravel: Washed native pea gravel, graded 1 in. to 1-1/2 in. Filter Fabric: Mirafi 140N by Celanese Fibers Marketing Company, available at Loftland





EDGE OF BED

PLANT ROW SPACING 'D' ROW SPACING 'A' PLANTS/10SF

APPROVED: I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWALL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE __ DAY OF_____, ____. WITNESS OUR HANDS, THIS __ DAY OF____, ____

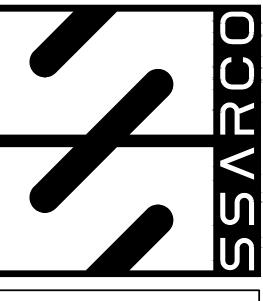
> City Case No. LANDSCAPE SPECIFICATIONS / DETAILS

DIRECTOR OF PLANNING AND ZONING

YMCA ROCKWALL PARKING LOT EXPANSION

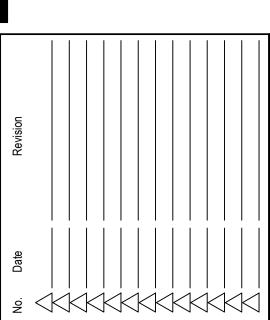
LOT 2, BLOCK A, ROCKWALL COUNTY Y.M.C.A. ADDITION OUT OF THE

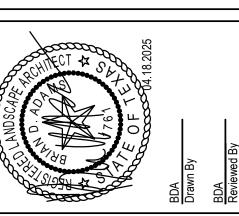
SAMUEL S. McCURRY ~ ABSTRACT NO. 146 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS Current Zoning: PD-5 w/North-SH205 Overlay



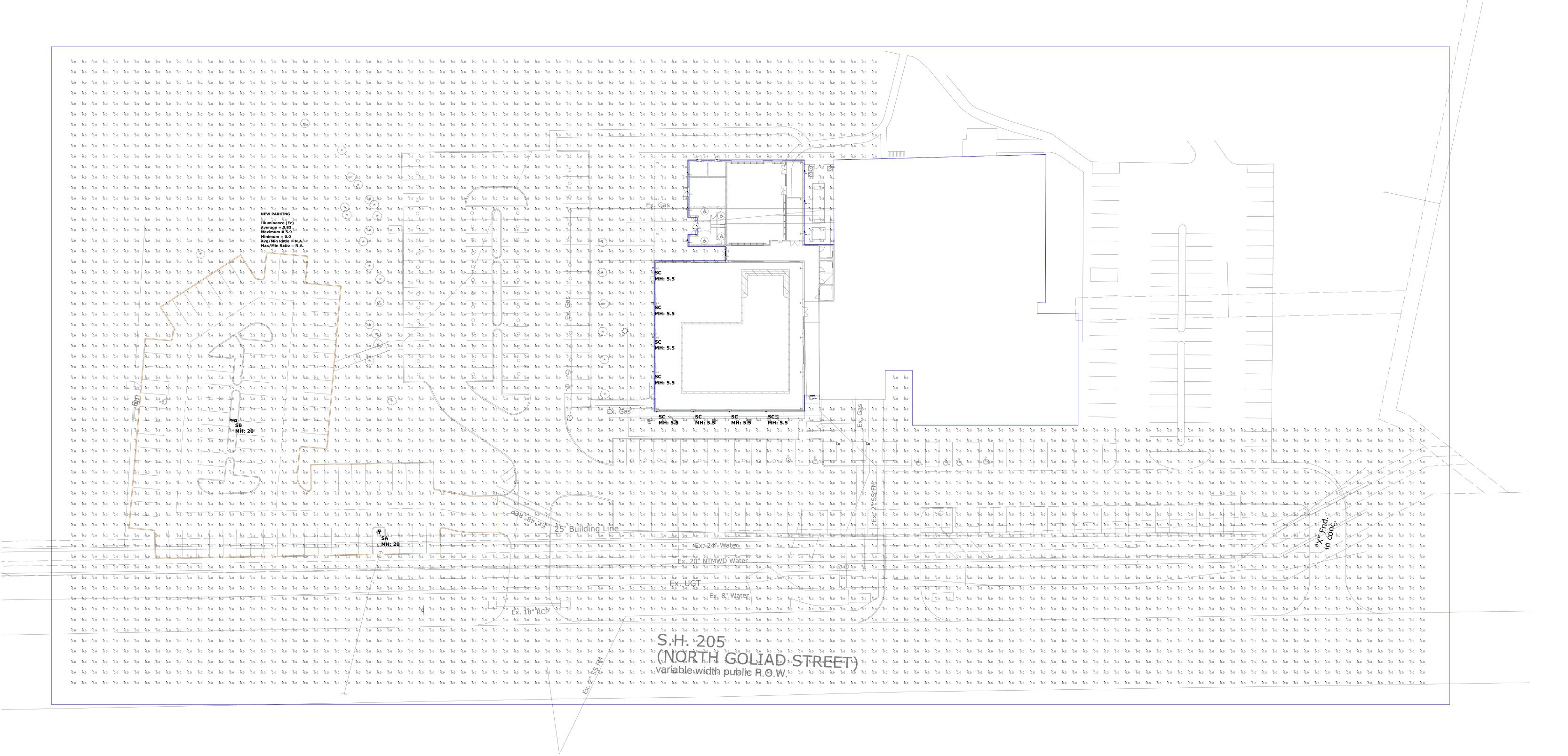
landscape architects, inc. 1708 N. Griffin Street Dallas, Texas 75202 Tel 214.871.0083 Fax 214.871.0545 Email smr@smr-la.com

불





PE ATIONS



Symbol	Schedule Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Light Loss Factor	User Defined Factor
3 y i i i i i i i i	Type	Qty		•	Total Input Watts		
H	K	2	LUMINAIRE LED BLD 36IN MIN10 40 MVOLT DP [FINISH]15W 40K DP	1537	14.7	0.855	1.000
-	Н	10	BEGA B22261 + K4 + [FINISH]	362	6	0.855	1.000
$-\Box$	SA	1	LITHONIA RSX1 LED P3 40K R3 [VOLTAGE] [MOUNTING] HS [CONTROLS]	9841	109.44	0.855	1.000
			FINISH]/ DM19AS @ 20FT				
	SB	1	LITHONIA RSX1 LED P2 40K R3 [VOLTAGE] [MOUNTING][CONTROLS]	19686	145.9	0.855	1.000
			FINISH]/ DM28AS @ 20FT				
\bigcirc	SC	8	BEGA B24518 + K4 + [FINISH]	1034	12	0.855	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height	Units	Avg	Max	Min	Avg/Min
	(Ft.)					
SITE	0	Fc	0.11	11.8	0.0	N.A.
NEW PARKING		Fc	0.83	5.9	0.0	N.A.
	·	•	•		•	

1. Surface reflectances: Vertical/Horizontal - 40/20. 2. Calculation values are at height indicated in summary table.

3. Mounting heights are designated on drawing with "MH."

4. Luminaire description does not necessarily reflect specification model number. Contact salesperson for verification. 5. Sylvania lamp data used unless otherwise noted. LED luminaires use integrated photometric lamp data provided by manufacturer.

6. Lighting power density is calculated based on estimated ballast/driver energy consumption. Engineer to verify. 7. For lumen output of scaled luminaires, multiply Total Lumen Output by User Defined Factor.

PROJECT: YMCA ROCKWALL SALESPERSON: COLE COVINGTON SCALE: I" = 30'-0" CALC BY: KB

FILE: 250409_YMCA ROCKWALL_SITE_V4





RSX1 LED Area Luminaire

















Introduction

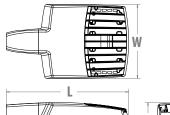
Catalog

Notes

Туре

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.



3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm

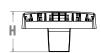
0.57 ft² (0.05 m²)

21.8" (55.4 cm)

13.3" (33.8 cm)

(SPA mount)

Weight: 22.0 lbs (10.0 kg) (SPA mount):





ds design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

Design Select options indicated by this color background.

Specifications

EPA

(ft2@0°):

Length:

Width:

Height:

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED									
Series	Performance Package			Voltage		Mounting			
RSX1 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	R2 R3 R3S R4 R4S R5 R5 AFR AFRR90	Type 2 Wide Type 3 Wide Type 3 Short Type 4 Wide Type 4 Short Type 5 Short Type 5 Short Type 5 Short Type 5 Short The Short Automotive Front Row Automotive Front Row Automotive Front Row Left Rotated		(120V-277V) ² (347V-480V) ³ (277V-480V) ⁴ cific voltage for as noted) 277 ⁵ 347 ⁵ 480 ⁵	SPA RPA MA IS WBA WBASC AASP AARP AAWB	Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) Mast arm adaptor (fits 2-3/8" 0D horizontal tenon) Adjustable slipfitter (fits 2-3/8" 0D tenon) 6 Wall bracket 1 Wall bracket with surface conduit box Adjustable tilt arm square pole mounting 6 Adjustable tilt arm vith wall bracket 6 Adjustable tilt arm wall bracket and surface conduit box 6	

Options				Finish	
Shipped Installed			Installed	DDBXD	Dark Bronze
HS	House-side shield ⁷	*Standal	one and Networked Sensors/Controls (factory default settings, see table page 9)	DBLXD	Black
PE	Photocontrol, button style 8,9	NLTAIR2 PII	RHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor 9, 12, 13, 14	DNAXD	Natural Aluminum
PER7	Seven-wire twist-lock receptacle only (no controls) 9,10,11	BAA	Buy America(n) Act and/or Build America Buy America Qualified	DWHXD	White
SF	Single fuse (120, 277, 347) ⁵	CCE	Coastal Construction ¹⁵	DDBTXD	Textured Dark Bronze
DF	Double fuse (208, 240, 480) 5	*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor		DBLBXD	Textured Black
SPD20KV	20KV Surge pack (10KV standard)	coverage	coverage pattern is affected when luminaire is tilted.		Textured Natural Aluminum
FA0	Field adjustable output 9	Shipped :	Separately (requires some field assembly)	DWHGXD	Textured White
DMG	0-10V dimming extend out back of housing for external	EGS	External glare shield ⁷		
	control (control ordered separate) 9	EGFV	External glare full visor (360° around light aperture) 7		
		BS	Bird spikes ¹⁶		



Ordering Information

Accessories

Ordered and shipped separately

RSX1HS RSX1 House side shield (includes 1 shield)

RSX1HSAFRR U RSX1 House side shield for AFR rotated optics (includes 1 shield)

RSX1EGS (FINISH) U External glares hield (specify finish)
RSX1EGFV (FINISH) U External glare full visor (specify finish)

 ${\sf RSXRPA}~({\sf FINISH})~{\sf U}\qquad {\sf RSX}~{\sf Universal}~{\sf round}~{\sf pole}~{\sf adaptor}~{\sf plate}~({\sf specify}~{\sf finish})$

RSXWBA (FINISH) U RSXWBA wall bracket (specify finish) ¹
RSXSCB (FINISH) U RSX Surface conduit box (specify finish, for use with WBA, WBA not included)

DLL127F 1.5 JU Photocell -SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU Photocell -SSL twist-lock (347V) ¹⁷

DLL480F 1.5 CUL JU Photocell -SSL twist-lock (480V) ¹⁷
DSHORT SBK U Shorting cap ¹⁷

NOTES

- Any Type 5 distribution, is not available with WBA.
- 2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 4 XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
- 5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 6 Maximum tilt is 90° above horizontal.
- 7 It may be ordered as an accessory.
- 8 Requires MVOLT or 347V.
- 9 Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
- 10 Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming
- signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- 12 Must be ordered with PIRHN.
- 13 Requires MVOLT or HVOLT.
- 14 Must be ordered with NLTAIR2. For additional information on PIRHN visit here
- 15 CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGFV and BS.
- 16 Must be ordered with fixture for factory pre-drilling.
- 17 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

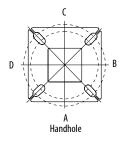


External 360 Full Visor

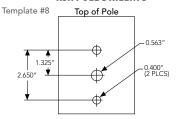
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

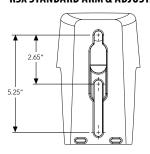
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

		-			**		-1-
Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - Luminaire EPA

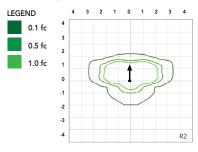
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

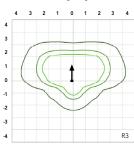
Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt	-	-			Y		•		m
SPA - Square Pole Adaptor		0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor	0°	0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
IS - Integral Slipfitter	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
AASP/AARP - Adjustable	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
Arm Square/Round Pole	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

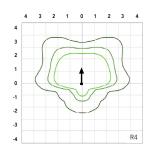
Photometric Diagrams

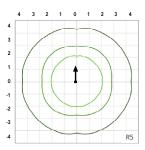
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

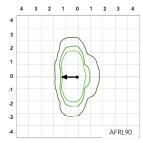
Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').

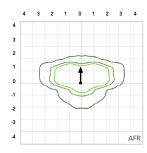


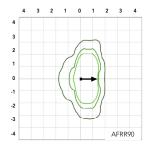












Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15℃	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35℃	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)							
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V		
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11		
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15		
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23		
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27		

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40° C.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution.	30K (3000K, 70 CRI)				40K (4000K, 70 CRI)				50K (5000K, 70 CRI)						
rackage		Туре	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
		R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
	51W	R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
P1		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
l ri		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
P2		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
D2		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
P3		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
D4		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
P4		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

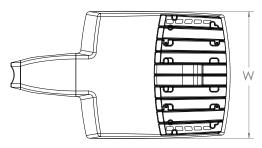


Dimensions & Weights

Luminaire Weight by Mounting Type

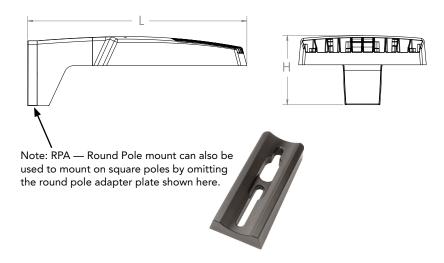
Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

RSX1 with Round Pole Adapter (RPA)

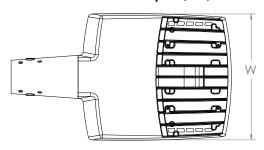


Length: 22.8" (57.9 cm) Width: 13.3" (33.8 cm)

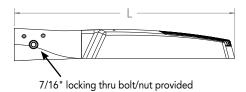
Height: 3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm



RSX1 with Mast Arm Adapter (MA)



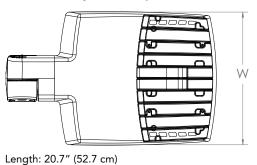
Length: 23.2" (59.1 cm) Width: 13.3" (33.8 cm) Height: 3.0" (7.6 cm) Main Body





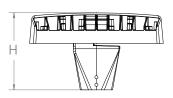
RSX1 with Adjustable Slipfitter (IS)

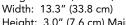
3.5" (8.9 cm) Arm



Height: 3.0" (7.6 cm) Main Body 7.6" (19.3 cm) Arm

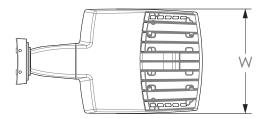
7/8" KO - fits 1/2" NPT water- tight fitting

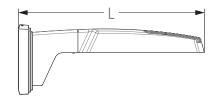


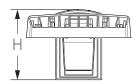




RSX1 with Wall Bracket (WBA)



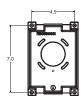


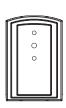


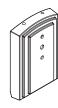
Wall Bracket (WBA) Mounting Detail

Length: 23.6" (59.9 cm) Width: 13.3" (33.8 cm)

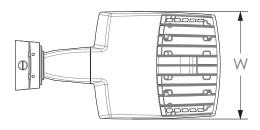
Height: 3.0" (7.6 cm) Main Body 8.9" (22.6 cm) Arm

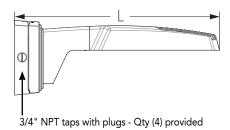


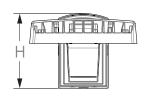




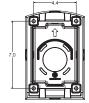
RSX1 with Wall Bracket with Surface Conduit Box (WBASC)

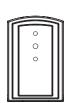


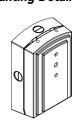




Surface Conduit Box (SCB) Mounting Detail



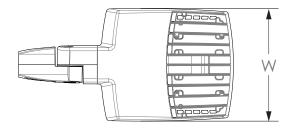


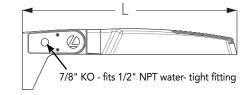


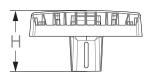
Length: 25.3" (64.3 cm) Width: 13.3" (33.8 cm)

Height: 3.0" (7.6 cm) Main Body 9.2" (23.4 cm) Arm

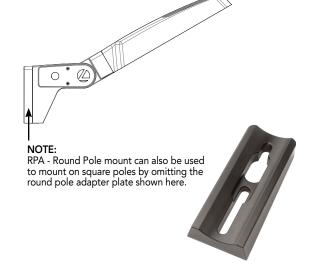
RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)







Length: 25.3" (65.3 cm) **AASP**26.3" (66.8 cm) **AARP**Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

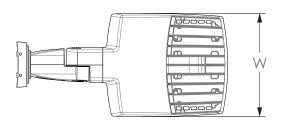


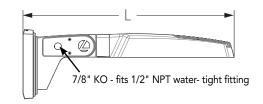
Notes

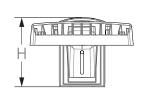
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

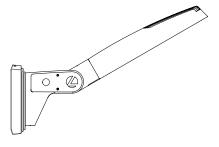
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)

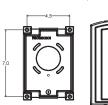




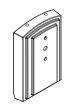










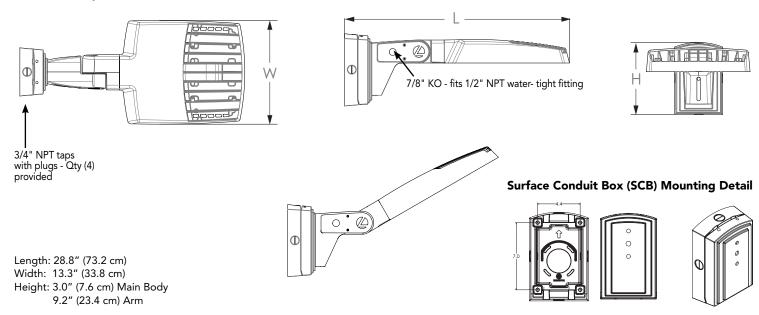


Length: 27.1" (68.8 cm) Width: 13.3" (33.8 cm)

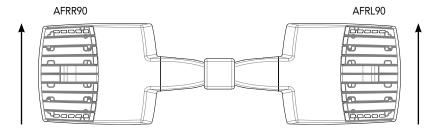
Height: 3.0" (7.6 cm) Main Body 8.9" (22.6 cm) Arm



RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



Automotive Front Row - Rotated Optics (AFRL90/R90)



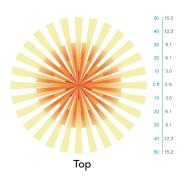
(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

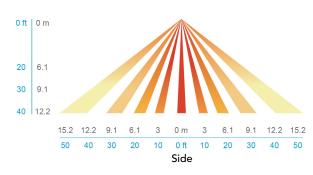
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN







Motion Sensor Default Settings - Option PIRHN										
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied)				
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes				

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is titled.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the onefor-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

COASTAL CONSTRUCTION (CCE)

Optional corrosion-resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead times apply.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 35, Type 4, Type 45, Type 55, AFR (Automotive Front Row), and AFR rotated AFRR90 and ARFL90.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >192/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTING

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882, 146S

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

