



DEVELOPMENT APPLICATION

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

STAFF USE ONLY

PLANNING & ZONING CASE NO. _____

NOTE: THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING: _____

CITY ENGINEER: _____

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

PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE) ¹
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE) ¹
- FINAL PLAT (\$300.00 + \$20.00 ACRE) ¹
- REPLAT (\$300.00 + \$20.00 ACRE) ¹
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE) ¹
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE) ¹
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE) ^{1 & 2}
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE) ¹

OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00) ²

NOTES:

¹: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.
²: A ~~\$1,000.00~~ FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS Northwest corner of FM 3549 & I-30

SUBDIVISION Rockwall Commercial

LOT 1, 1R, 1 BLOCK A,B,C

GENERAL LOCATION _____

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING Commercial (C)

CURRENT USE Vacant

PROPOSED ZONING Planned Development

PROPOSED USE Large Format Retail

ACREAGE 18.663

LOTS [CURRENT] _____

LOTS [PROPOSED] _____

SITE PLANS AND PLATS: BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER ROCKWALL 549/I-30 PARTNERS LP / CONVEYOR I-30 PARTNERS LP

APPLICANT Winkelmann & Associates, Inc.

CONTACT PERSON JAMES J. MELINO

CONTACT PERSON Will Winkelmann

ADDRESS 8750 N. CENTRAL EXPRESSWAY
SUITE 1735

ADDRESS 6750 Hillcrest Plaza Dr.
Suite 215

CITY, STATE & ZIP DALLAS, TX 75231

CITY, STATE & ZIP Dallas, TX 75230

PHONE 214-532-3924

PHONE 214-549-7296

E-MAIL jim@CAMBRIDGECOS.COM

E-MAIL will@winkelmann.com

NOTARY VERIFICATION [REQUIRED]

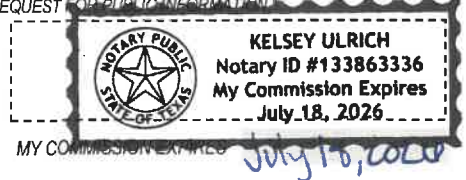
BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED James J. Melino, Authorized Representative of [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING: Rockwall 549/I-30 Partners, L.P. and Conveyor/I-30 Partners, L.P.

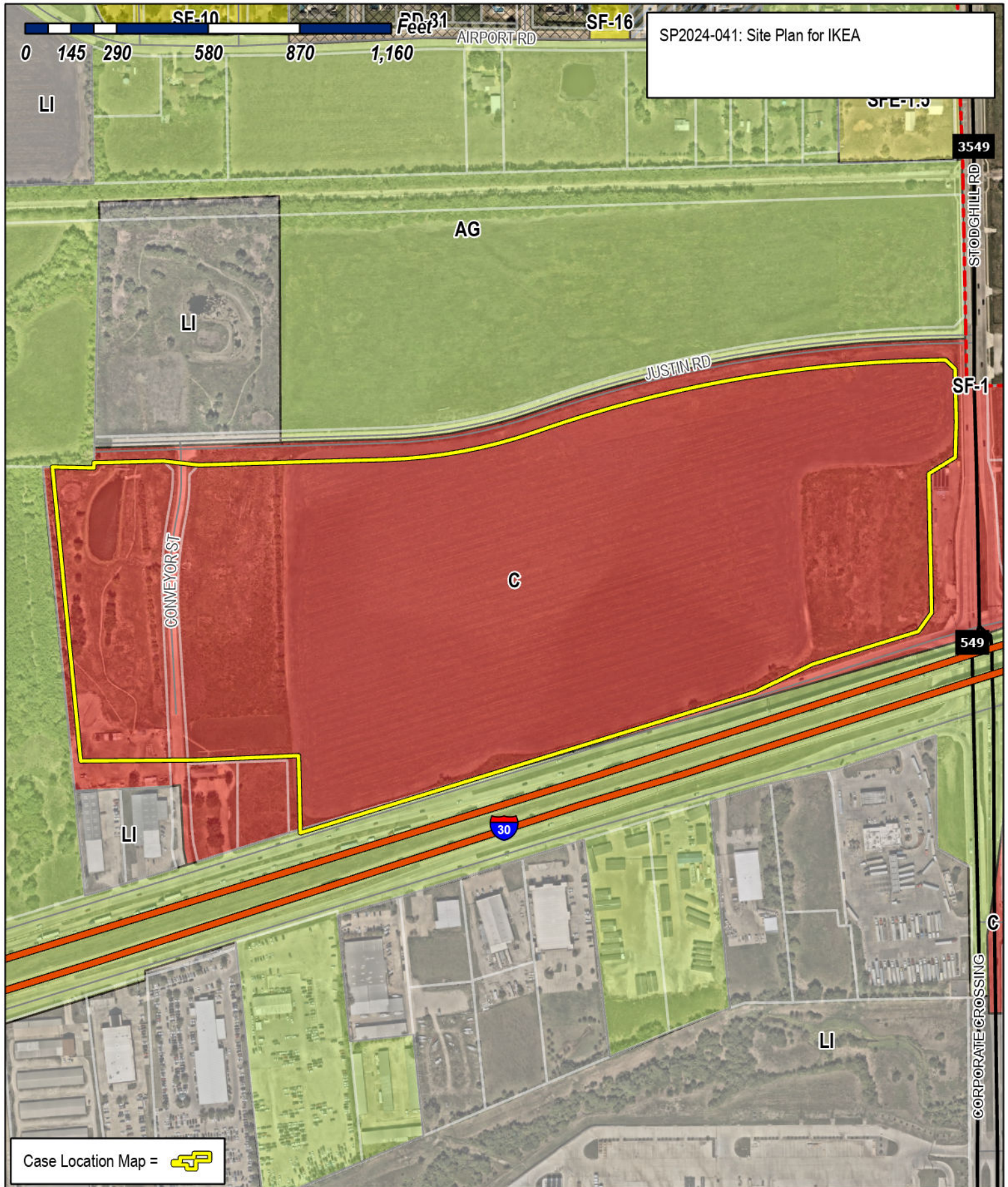
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ _____ TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 4th DAY OF September, 2024. BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 4th DAY OF September, 2024.


OWNER'S SIGNATURE *James J. Melino*

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS *Kelsey Ulrich*





SP2024-041: Site Plan for IKEA

Case Location Map = 



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.



CC #2021000008470

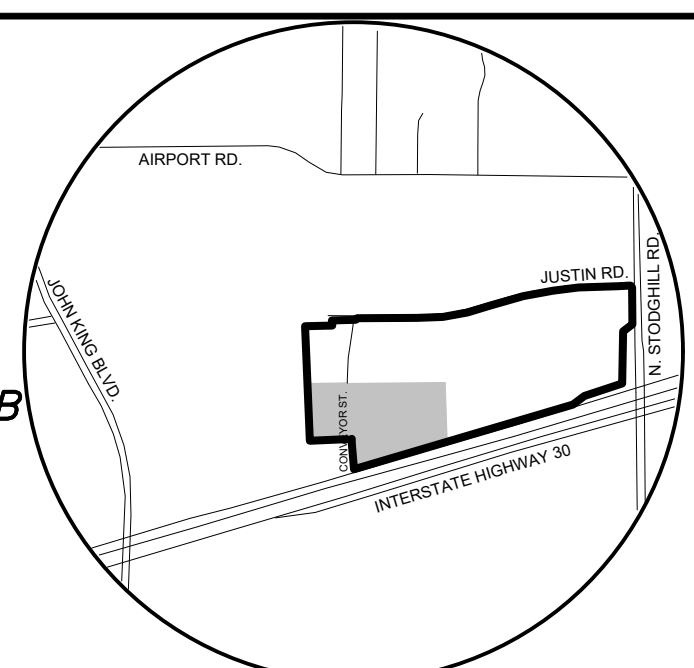
LEGEND	
	PROPERTY BOUNDARY/R.O.W.
	FIRE LANE CONCRETE PAVEMENT

LOT 1R-A, BLOCK B
4.639 AC.
(202,072 S.F.)

SITE PLAN NOTES:

- DIMENSIONS ARE TO FACE OF CURB OTHERWISE NOTED.
- ALL NEW PAVEMENT IS CONCRETE.
- TYPICAL PARKING STALL DIMENSIONS ARE AS FOLLOWS, UNLESS OTHERWISE NOTED:
-TYPICAL PARKING SPACES: 9'x20'
-CUSTOMER LOADING PARKING SPACES: 10'x20'
-FAMILY SPACES: 12'x20'
-ADA VAN SPACE: 8'x20' & 8' AISLE
-ADA STANDARD SPACE: 9'x20' & 5' AISLE
-EV PARKING SPACE: 9'x20' & 3' AISLE
-EV PARKING SPACE: 9'x20' & 3' AISLE
- FRONT LANDSCAPE BUFFER: 20'
- FRONT BUILDING SETBACK: 25'
- MINIMUM SIDE & REAR SETBACKS: 10'

LOT 2, BLOCK B
10.924 AC.
(475,849 S.F.)



VICINITY MAP
NOT TO SCALE

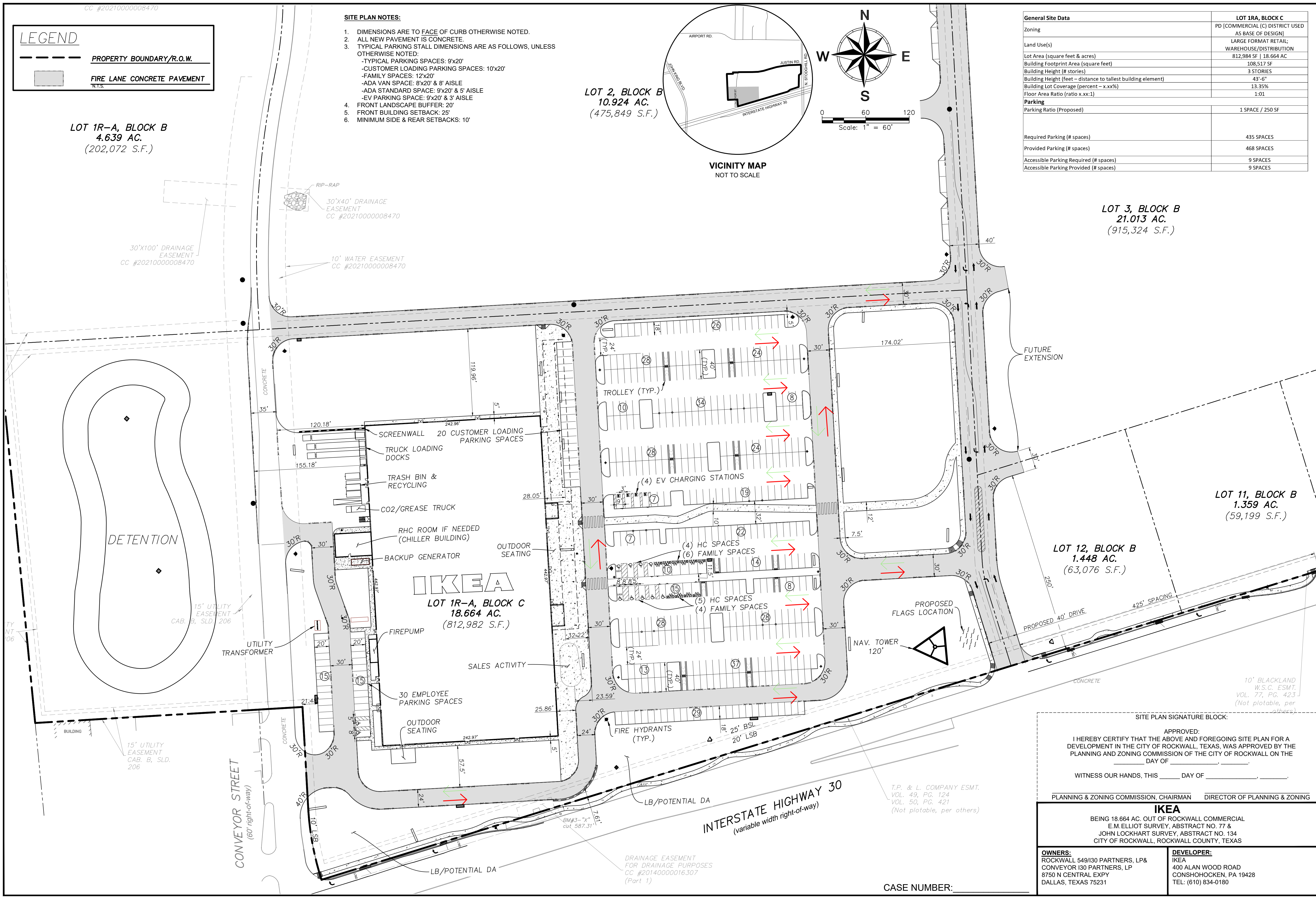
General Site Data	LOT 11A, BLOCK C
Zoning	PD [COMMERCIAL (C) DISTRICT USED AS BASE OF DESIGN]
Land Use(s)	LARGE FORMAT RETAIL; WAREHOUSE/DISTRIBUTION
Lot Area (square feet & acres)	812,984 SF 18.664 AC
Building Footprint Area (square feet)	108,517 SF
Building Height (# stories)	3 STORIES
Building Height (feet - distance to tallest building element)	43'-6"
Building Lot Coverage (percent - x.xx%)	13.35%
Floor Area Ratio (ratio x.xx:1)	1:01
Parking	
Parking Ratio (Proposed)	1 SPACE / 250 SF
Required Parking (# spaces)	435 SPACES
Provided Parking (# spaces)	468 SPACES
Accessible Parking Required (# spaces)	9 SPACES
Accessible Parking Provided (# spaces)	9 SPACES

LOT 3, BLOCK B
21.013 AC.
(915,324 S.F.)

LOT 11, BLOCK B
1.359 AC.
(59,199 S.F.)

LOT 12, BLOCK B
1.448 AC.
(63,076 S.F.)

IKEA
LOT 1R-A, BLOCK C
18.664 AC.
(812,982 S.F.)



No.	DATE	REVISION	APPROV
6.			
5.			
4.			
3.			
2.			
1.			

CIVIL ENGINEER
Winkelmann & Associates, Inc.
 CONSULTING CIVIL ENGINEERS & SURVEYORS
 6750 HILGREET PLAZA, SUITE 215
 ROCKWALL, TEXAS 75087
 (972) 960-7090
 (972) 960-7099 FAX
 Texas Surveyors Registration No. 107866-00
 Civil Engineer Registration No. 107866-00
 Contractor Registration No. 107866-00

10-08-2024

SITE PLAN
 NWC OF I-30 & STODGILL RD.
 ROCKWALL, TEXAS 75087

1

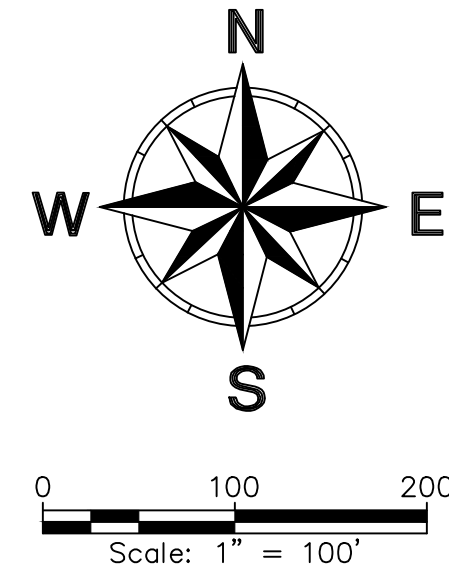
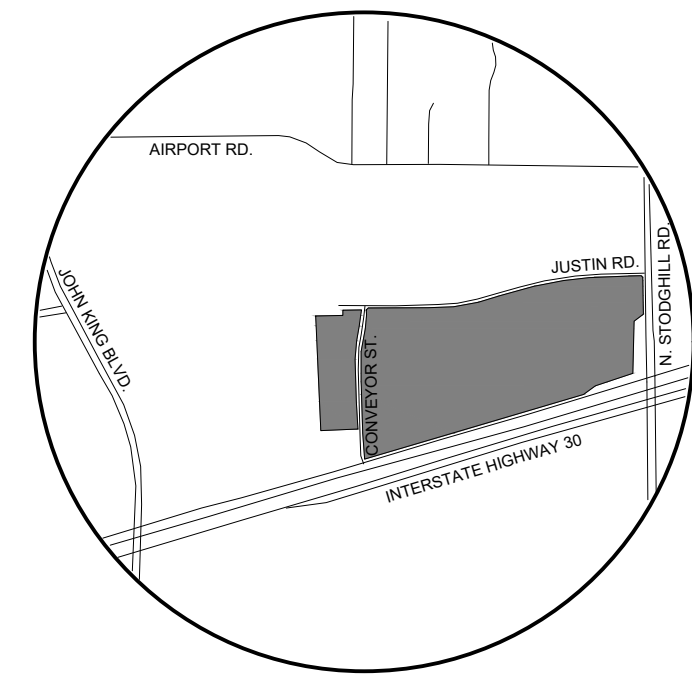
SITE PLAN SIGNATURE BLOCK:
 APPROVED:
 I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWALL, TEXAS, WAS APPROVED BY THE PLANNING AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____
 WITNESS OUR HANDS, THIS _____ DAY OF _____

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING
IKEA
 BEING 18.664 AC. OUT OF ROCKWALL COMMERCIAL
 E.M. ELLIOT SURVEY, ABSTRACT NO. 77 &
 JOHN LOCKHART SURVEY, ABSTRACT NO. 134
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

OWNERS:
 ROCKWALL 549/130 PARTNERS, LP &
 CONVEYOR 130 PARTNERS, LP
 8750 N CENTRAL EXPY
 DALLAS, TEXAS 75231

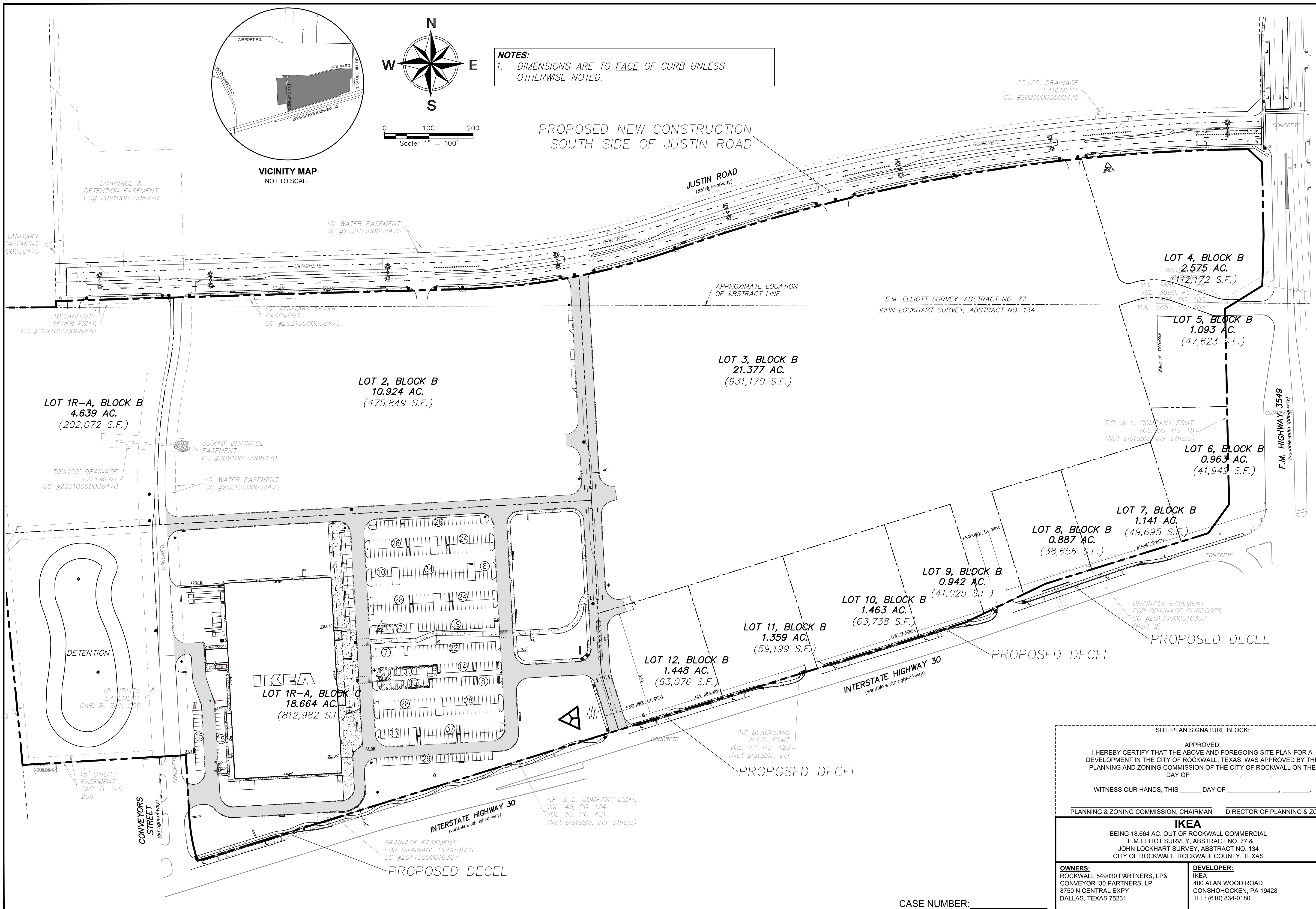
DEVELOPER:
 IKEA
 400 ALAN WOOD ROAD
 CONSHOHOCKEN, PA 19428
 TEL: (610) 834-0180

CASE NUMBER:



NOTES:
 1. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

PROPOSED NEW CONSTRUCTION
 SOUTH SIDE OF JUSTIN ROAD



SITE PLAN SIGNATURE BLOCK:
 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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____
 WITNESS OUR HANDS, THIS _____ DAY OF _____

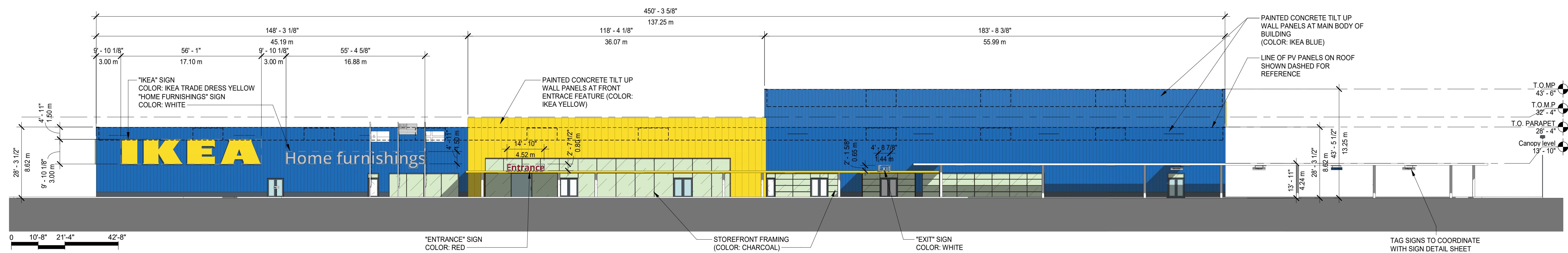
PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING
IKEA
 BEING 18.664 AC. OUT OF ROCKWALL COMMERCIAL
 E.M. ELLIOTT SURVEY, ABSTRACT NO. 77 &
 JOHN LOCKHART SURVEY, ABSTRACT NO. 134
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

OWNERS:
 ROCKWALL 549/130 PARTNERS, LP &
 CONVEYOR 130 PARTNERS, LP
 8750 N CENTRAL EXPY
 DALLAS, TEXAS 75231

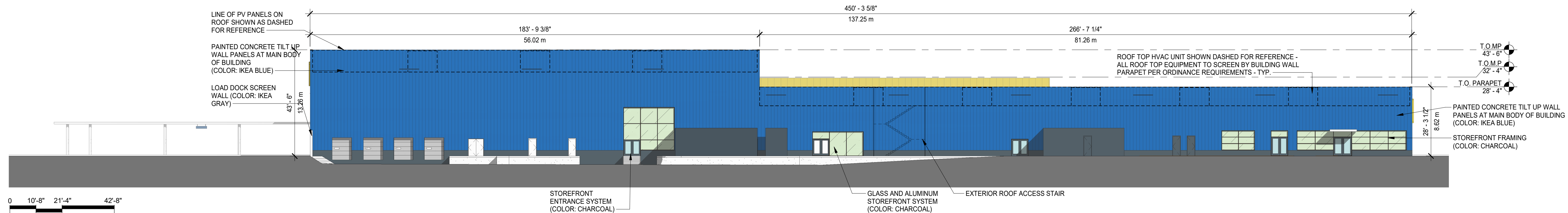
DEVELOPER:
 IKEA
 400 ALAN WOOD ROAD
 CONSHOHOCKEN, PA 19428
 TEL: (610) 834-0180

CASE NUMBER:

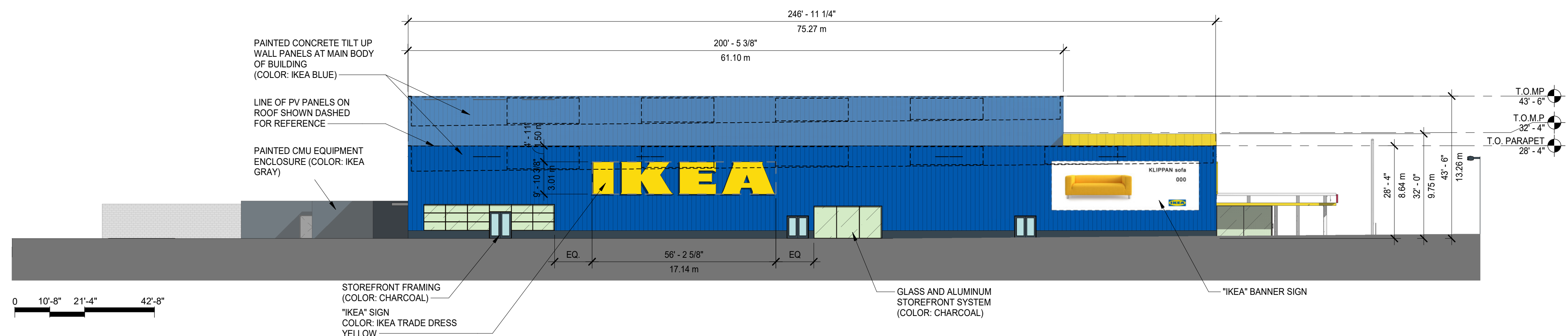
CIVIL ENGINEER: Winkelmann & Associates, Inc. <small>CONSULTING CIVIL ENGINEERS & SURVEYORS 6750 HILGREET PLAZA DRIVE, SUITE 215 ROCKWALL, TEXAS 75087 Phone: (972) 460-7090 Fax: (972) 460-7099 Texas Surveyors Registration No. 107866-00 Contractor Registration No. 100866-00 Contractor: E. Winkelmann & Associates, Inc.</small>	No.	1.	DATE	APPROVED
	REVISION	2.		
		3.		
		4.		
		5.		
		6.		
OVERALL CITY SITE PLAN		10-08-2024		
NWC OF I-30 & STODGILL RD.		ROCKWALL, TEXAS 75087		
1				



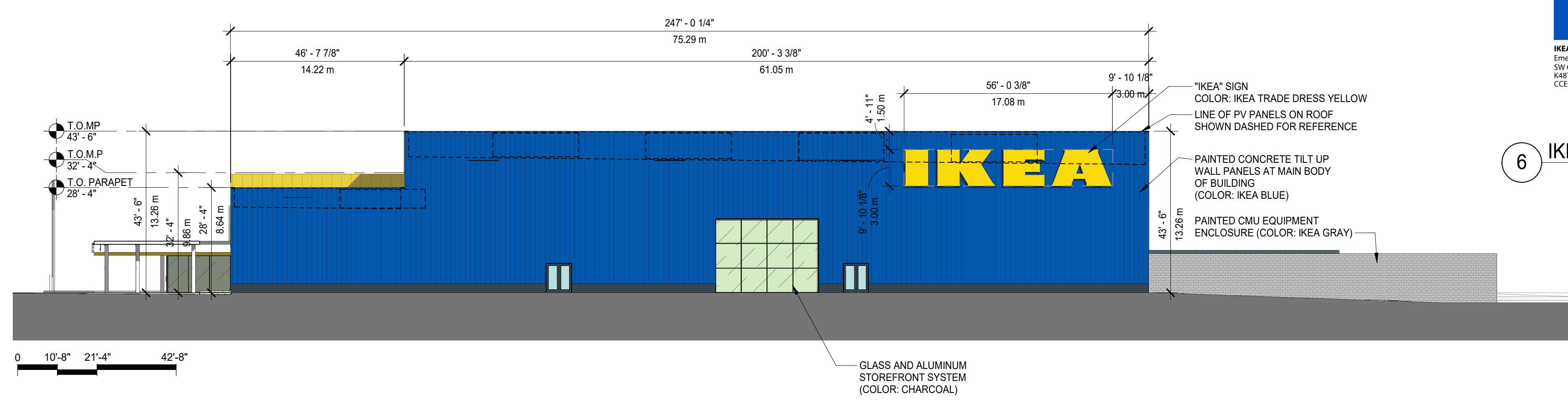
1 EXTERIOR ELEVATION - EAST SCALE: 3/64" = 1'-0"



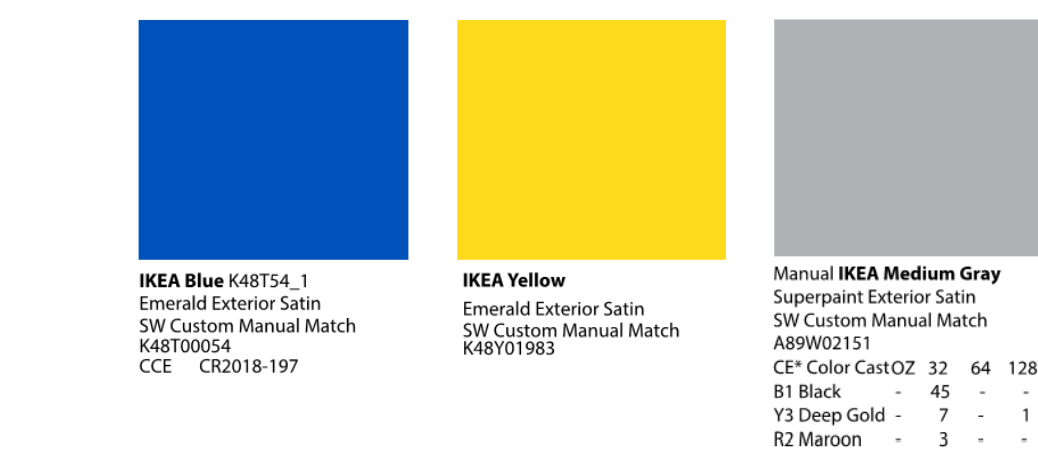
2 EXTERIOR ELEVATION - WEST SCALE: 3/64" = 1'-0"



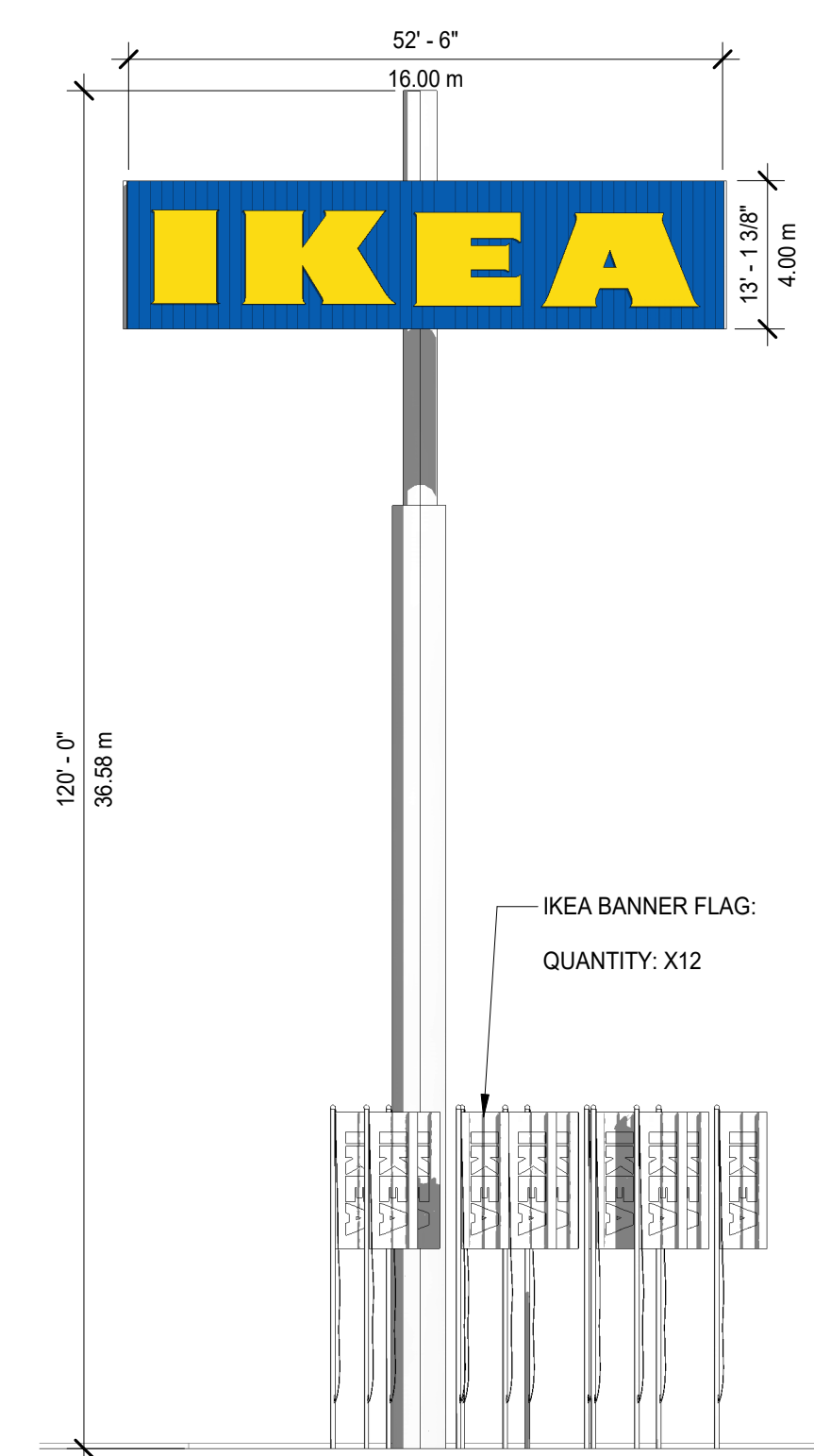
3 EXTERIOR ELEVATION - SOUTH SCALE: 3/64" = 1'-0"



4 EXTERIOR ELEVATION - NORTH SCALE: 3/64" = 1'-0"



6 IKEA BUILDING COLOR SCHEDULE



5 NAVIGATION TOWER SCALE: 1/16" = 1'-0"

Table with columns: REV, DATE, DRAWN BY, DESCRIPTION

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed...

IKEA FOR Ingka Procurement, LLC

NEC of Conveyor Street and Frontage Road (IH-30) Rockwall, Texas

Colliers Engineering & Design 7050 West Saginaw Hwy Suite 200 Lansing, MI 48917 Phone: 517.272.9835

Table with columns: SCALE, DATE, DRAWN BY, CHECKED BY, AS SHOWN, DATE, DRAWING NAME, REVIEWED BY, NUMBER, APPROVER

ELEVATIONS

A-201



30'X100' DRAINAGE EASEMENT
CC #2021000008470

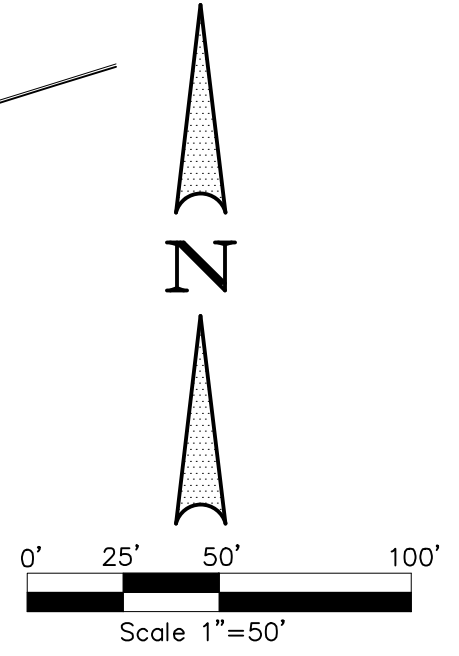
10' WATER EASEMENT
CC #2021000008470

15' UTILITY EASEMENT
CAB. B, SLD. 206

IKEA

PRO
18
(812

T.P. & L. COMPANY ESMT.
VOL. 49, PG. 124
VOL. 50, PG. 421
(Not plotable, per others)



DRAINAGE EASEMENT
FOR DRAINAGE PURPOSES
CC #20140000016307
(Part 1)

FAIN • CUPPETT
LANDSCAPE ARCHITECTS, LLC
8233 Mid Cities Blvd., Suite B
North Richland Hills, TX 76182-4761 817-479-0730
PARKS AND OPEN SPACE PLANNING • LANDSCAPE ARCHITECTURE • IRRIGATION DESIGN

SITE PLAN SIGNATURE BLOCK:

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL
E.M. ELLIOT SURVEY, ABSTRACT NO. 77 &
JOHN LOCKHART SURVEY, ABSTRACT NO. 134
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

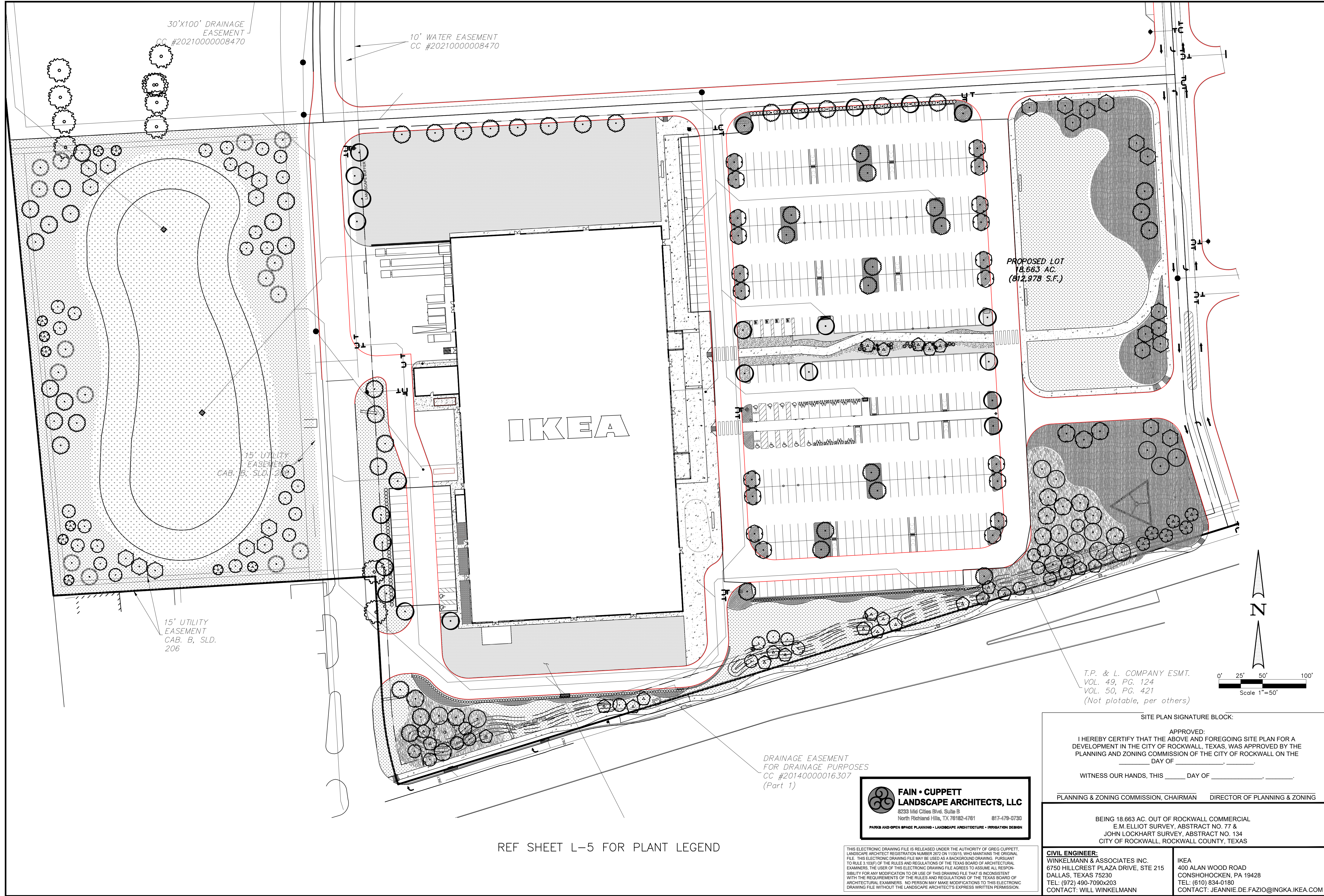
THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPETT, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 11/01/15, WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING. PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS, THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

CIVIL ENGINEER:
WINKELMANN & ASSOCIATES INC.
6750 HILL CREST PLAZA DRIVE, SITE 215
DALLAS, TEXAS 75230
TEL: (972) 490-7090x203
CONTACT: WILL WINKELMANN

DEVELOPER:
IKEA
400 ALAN WOOD ROAD
CONSHOHOCKEN, PA 19428
TEL: (610) 834-0180
CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

REF SHEET L-5 FOR PLANT LEGEND

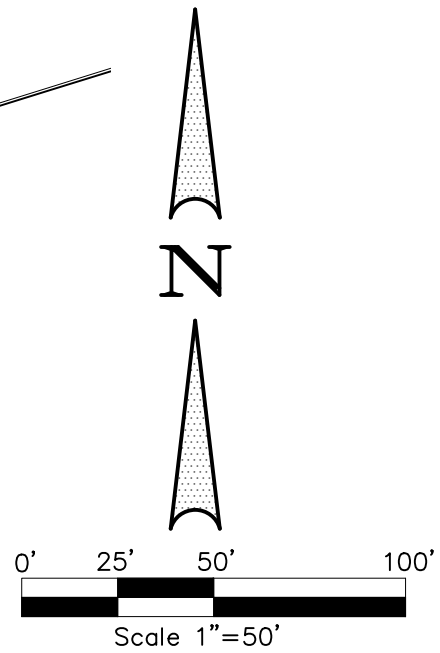
<p>LANDSCAPE PLAN NWC OF I-30 & STODGILL RD. ROCKWALL, TEXAS 75087</p>			
<p>Winkelmann & Associates, Inc. CONSULTING CIVIL ENGINEERS ■ SURVEYORS 6750 HILL CREST PLAZA DRIVE, SUITE 215 DALLAS, TEXAS 75230 TEL: (972) 490-7090 FAX: (972) 490-7099 WWW.WINKELMANNANDASSOCIATES.COM</p>			
<p>Greg Cuppett LANDSCAPE ARCHITECT REGISTRATION NO. 2672 STATE OF TEXAS 09/04/24</p>			
<p>LANDSCAPE PLAN NWC OF I-30 & STODGILL RD. ROCKWALL, TEXAS 75087</p>			
<p>L-1</p>			
No.	DATE	REVISION	APPROV.
6.			
5.			
4.			
3.			
2.			
1.			



PROPOSED LOT
18.663 AC.
(812,978 S.F.)

IKEA

T.P. & L. COMPANY ESMT.
VOL. 49, PG. 124
VOL. 50, PG. 421
(Not plotable, per others)



DRAINAGE EASEMENT
FOR DRAINAGE PURPOSES
CC #20140000016307
(Part 1)

FAIN • CUPPETT
LANDSCAPE ARCHITECTS, LLC
8233 Mid Cities Blvd, Suite B
North Richland Hills, TX 76182-4761 817-479-0730
PARKS AND OPEN SPACE PLANNING • LANDSCAPE ARCHITECTURE • IRRIGATION DESIGN

SITE PLAN SIGNATURE BLOCK:

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL
E.M. ELLIOTT SURVEY, ABSTRACT NO. 77 &
JOHN LOCKHART SURVEY, ABSTRACT NO. 134
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

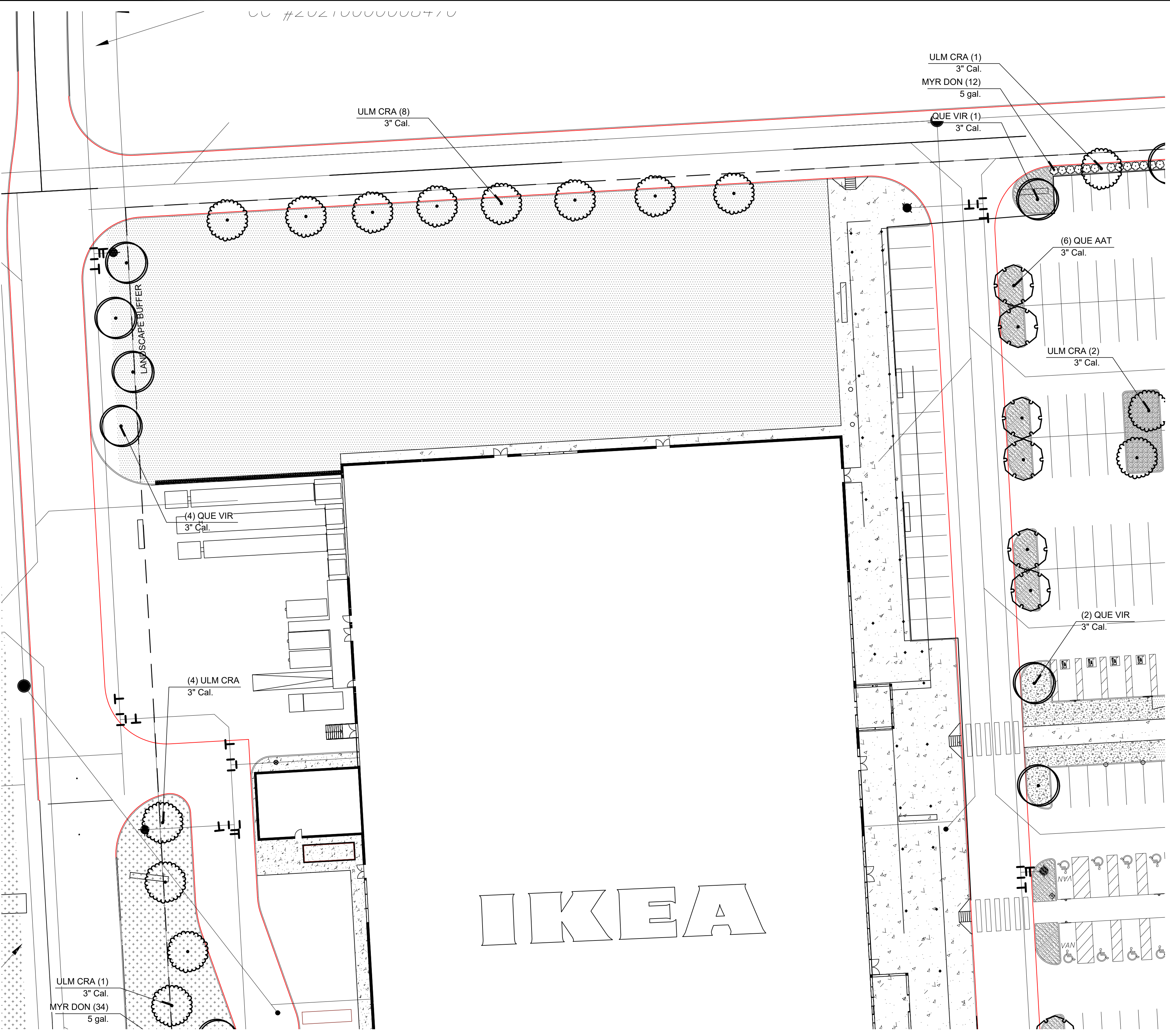
CIVIL ENGINEER:
WINKELMANN & ASSOCIATES INC.
6750 HILL CREST PLAZA DRIVE, SITE 215
DALLAS, TEXAS 75230
TEL: (972) 490-7090x203
CONTACT: WILL WINKELMANN

IKEA
400 ALAN WOOD ROAD
CONSHOHOCKEN, PA 19428
TEL: (610) 834-0180
CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

REF SHEET L-5 FOR PLANT LEGEND

LANDSCAPE PLAN		LANDSCAPE PLAN	
NWC OF I-30 & STODGILL RD.		NWC OF I-30 & STODGILL RD.	
ROCKWALL, TEXAS 75087		ROCKWALL, TEXAS 75087	
L-1		L-1	
No.	DATE	REVISION	APPROV.
6.			
5.			
4.			
3.			
2.			
1.			

Winkelman & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
6750 HILL CREST PLAZA DRIVE, SUITE 215 (972) 490-7090
DALLAS, TEXAS 75230 (972) 490-7090 FAX
CIVIL ENGINEER REGISTRATION NO. 89068-01
SURVEYOR REGISTRATION NO. 100124

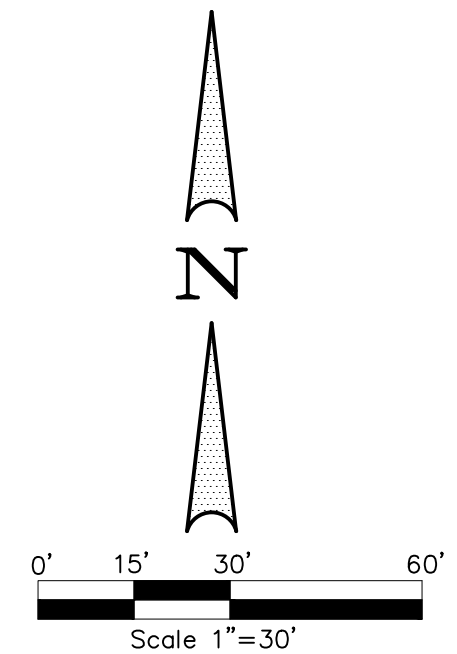
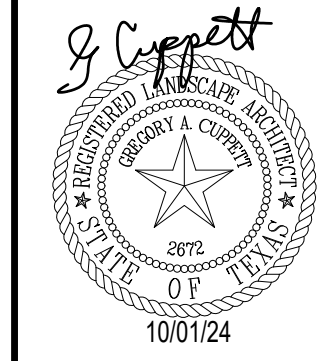


CITY OF ROCKWALL LANDSCAPE REQUIREMENTS		
LANDSCAPE BUFFER	10' LANDSCAPE BUFFER STRIP REQUIRED ALONG PERIMETER	
	REQUIRED	PROVIDED
	10'	10'
STREET LANDSCAPING	1 CANOPY TREE FOR EACH 50' OF STREET FRONTAGE	
	REQUIRED (NORTH)	PROVIDED
	1115'/50 = 22 TREES	XX TREES
	REQUIRED (SOUTH)	PROVIDED
	1156'/50 = 23 TREES	23 TREES
	REQUIRED (EAST)	PROVIDED
	522'/50 = 10 TREES	10 TREES
REQUIRED (WEST)	PROVIDED	
762'/50 = 15 TREES	15 TREES	
PARKING LOT LANDSCAPING	5% OR 200 SF (WHICHEVER IS GREATER) IN INTERIOR LANDSCAPING	
	REQUIRED	PROVIDED
	204,189 X 5% = 10,210 SF	16,529 SF
PARKING LOT TREES	IF PARKING EXCEEDS 20,000 SF THEN 1 TREE PER 10 SPACES	
	REQUIRED	PROVIDED
	448 SPACES/10 = 45 TREES	45 NEW TREES
PARKING LOT TREES	ALL PARKING SPACES SHALL BE WITHIN 80' OF A TREE	
	REQUIRED	PROVIDED
	ALL SPACES WITHIN 80'	ALL SPACES WITHIN 80'
LANDSCAPE AREA	REQUIRED 15% OF TOTAL SITE IN LANDSCAPE AREA	
	REQUIRED	PROVIDED
	812,982 X 15% = 121,947 SF	205,947 SF
LANDSCAPE AREA	50% OF REQUIRED LANDSCAPE AREA IN FRONT YARD	
	REQUIRED	PROVIDED
	92,163 X 50% = 46,082 SF	172,587 SF
DETENTION AREA REQUIRED TREES	ONE (1) TREE PER 750 SQ FT OF DETENTION AREA	
	REQUIRED	PROVIDED
	56,250 SF / 750 = 75 TREES	75 TREES

OVERLAY DISTRICT LANDSCAPE REQUIREMENTS		
STREET LANDSCAPING	(2) 4" CANOPY TREES AND (4) ACCENT TREES FOR EACH 100' OF STREET FRONTAGE	
	REQUIRED	PROVIDED
	1156'/100 X 2 = 23 TREES	23 TREES
	1156'/100 X 4 = 46 ACCENT TREES	46 TREES
	20' LANDSCAPE BUFFER	
	BUILT UP BERM AND/OR SHRUBS 30" - 48" MAX.	

- PLANTING NOTES:**
- PRIOR TO PLANTING, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT TO APPROVE NEW TREES ON SITE. LANDSCAPE ARCHITECT SHALL MAKE ONE TRIP TO SITE TO INSPECT TREES. ALL TREES SHALL BE STORED AND HEeled IF REQUIRED PRIOR TO CONTACTING LANDSCAPE ARCHITECT FOR INSPECTION.
 - ALL PLANT MATERIAL TO BE NURSERY GROWN STOCK.
 - CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF ALL PLANT MATERIAL UNTIL PROJECT ACCEPTANCE.
 - ALL CONTAINER GROWN PLANTS TO HAVE FULL, VIGOROUS ROOT SYSTEM, COMPLETELY ENCOMPASSING CONTAINER.
 - ALL PLANTS WELL ROUNDED AND FULLY BRANCHED. ALL TREES WITH SPREAD 2/3 OF HEIGHT.
 - CONTRACTOR TO PROVIDE OWNER WITH PREFERRED MAINTENANCE SCHEDULE OF ALL PLANTS AND LAWNS.
 - MAINTAIN/PROTECT VISIBILITY TRIANGLE WITH PLANT MATERIAL PER CITY STANDARDS AT ALL ENTRANCES TO SITE.
 - PREP ENTIRE WIDTH OF ALL DEFINED PLANTING BEDS WITH MIX AS OUTLINED IN SPECS. WHERE SHRUBS ARE LOCATED ALONG CURB, SET SHRUBS BACK FROM CURB 3 FT.
 - SEE DETAIL SHEET L-8 FOR PLANTING DETAILS.
 - CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO TELEPHONE, TELECABLE, ELECTRIC, GAS, WATER AND SEWER. ANY DAMAGE TO UTILITIES TO BE REPAIRED BY CONTRACTOR AT NO COST TO OWNER.
 - EXISTING TREES ARE SHOWN TO REMAIN, CONTRACTOR SHALL PRUNE WITH APPROVAL OF OWNER AND CITY ARBORIST. WORK TO INCLUDE REMOVAL OF ALL SUCKER GROWTH; DEAD AND DISEASED BRANCHES AND LIMBS; VINES, BRIARS AND OTHER INVASIVE GROWTH; AND ALL INTERFERING BRANCHES, AS WELL AS BRANCHES THAT OBSTRUCT SIGN VISIBILITY. MAKE ALL CUTS FLUSH TO REMAINING LIMB. RETAIN NATURAL SHAPE OF PLANT. ALL WORK SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
 - QUANTITIES ARE PROVIDED AS A COURTESY AND NOT INTENDED FOR BID PURPOSES. CONTRACTOR TO VERIFY PRIOR TO PRICING.
 - INSTALL EDGING BETWEEN LAWN AND PLANTING BEDS. REFER TO SPECIFICATIONS. FILE ALL CORNERS SMOOTH.
 - INSTALL CURLEX BLANKET (OR EQUAL) PER MANUFACTURER'S INSTRUCTIONS ON ALL GROUNDCOVER/SHRUB BEDS WITH A SLOPE OF 4:1 OR GREATER.
 - AT TIME OF PLAN PREPARATION, SEASONAL PLANT AVAILABILITY CANNOT BE DETERMINED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE AND RESERVE ALL B&B PLANTS WHEN AVAILABLE IN CASE ACTUAL INSTALLATION OCCURS DURING THE OFF-SEASON. PURCHASE AND HOLD B&B PLANTS FOR LATE SEASON INSTALLATION.
 - BERM ALL PARKING LOT ISLANDS AS SHOWN ON ENCLOSED DETAIL SHEET. (BERMS MAY NOT BE SHOWN ON GRADING PLAN.)
 - PRIOR TO TREE PLANTING, CONTRACTOR SHALL STAKE TREE LOCATIONS FOR APPROVAL BY OWNER.

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
6750 HILLCREST PLAZA DR., SUITE 215 (972) 492-7099 FAX (972) 492-7099 FAX
Dallas, Texas Engineers Registration No. 89088-01
Copyright © 2024, Winkelmann & Associates, Inc.



- NOTE:**
- NO TREES SHALL BE PLANTED WITHIN 5' (HORIZONTALLY) FROM ANY PUBLIC UTILITY
 - FOR ALL PLANTING ALONG 18' (LENGTH PARKING SPACES): ALL PLANTS MUST BE PLANTED A MINIMUM OF 4' FROM BACK OF CURB

SITE PLAN SIGNATURE BLOCK:

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL
E.M. ELLIOT SURVEY, ABSTRACT NO. 77 &
JOHN LOCKHART SURVEY, ABSTRACT NO. 134
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

CIVIL ENGINEER:
WINKELMANN & ASSOCIATES, INC.
6750 HILLCREST PLAZA DRIVE, SUITE 215
DALLAS, TEXAS 75230
TEL: (972) 490-7090x203
CONTACT: WILL WINKELMANN

IKEA
400 ALAN WOOD ROAD
CONSHOHOCKEN, PA 19428
TEL: (610) 834-0180
CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

CAUTION!!!
UNDERGROUND UTILITIES ARE LOCATED IN THIS AREA. 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, CONTACT LINE LOCATES FOR FRANCHISE UTILITY INFO. CALL BEFORE YOU DIG.
TEXAS EXCAVATION SAFETY SYSTEM (TESS) 1-800-344-8377
TEXAS ONE CALL SYSTEMS 1-800-245-4545
LONE STAR NOTIFICATION CENTER 1-800-669-8344 EXT. 5

BEFORE YOU DIG...

NOTE:
NO LANDSCAPE PLANTINGS WITHIN 18" OF PARKING LOT CURBS.

REF SHEET L-5 FOR PLANT LEGEND

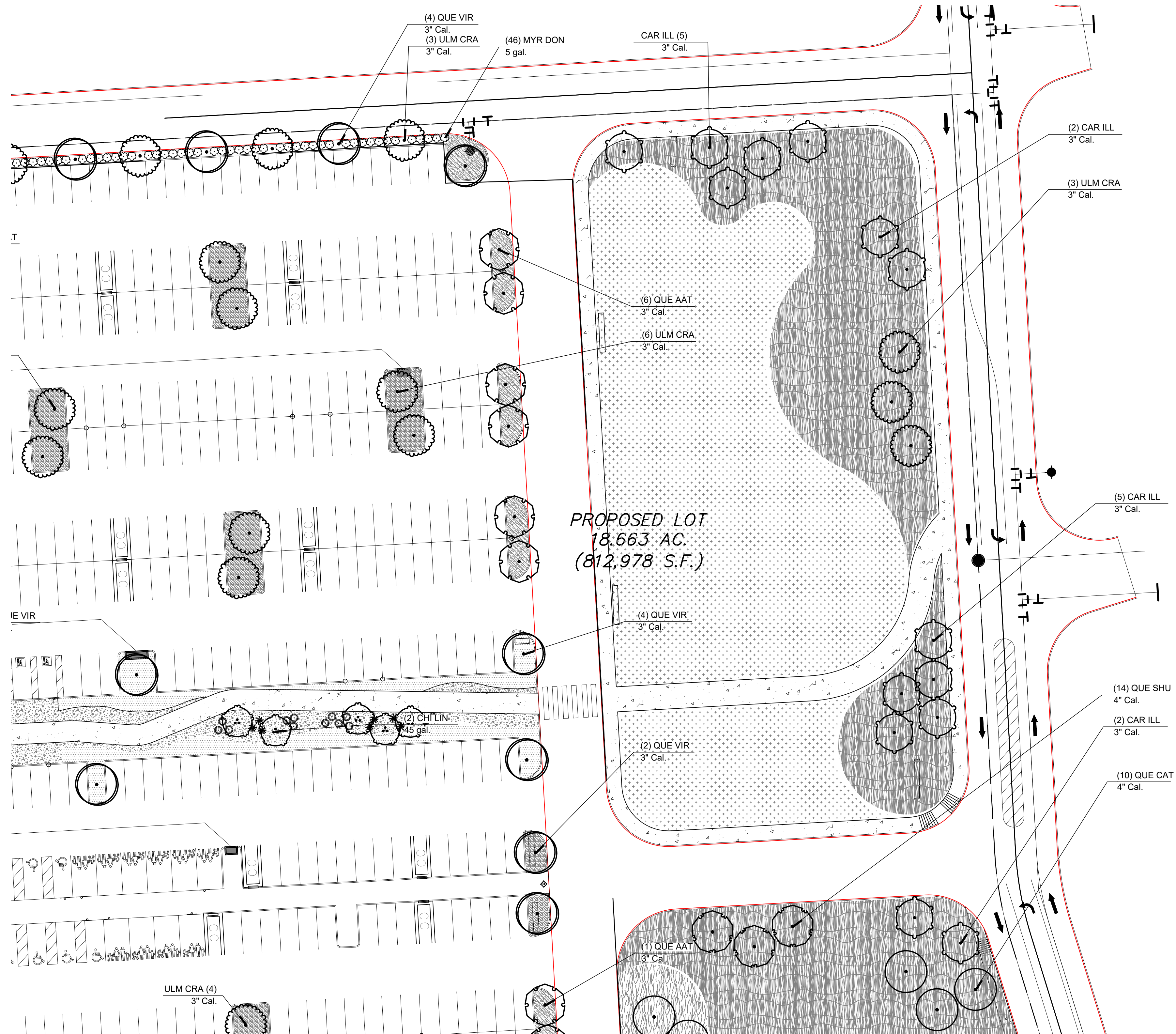


THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPETT, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 11/01/15, WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING. PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS, THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

NO.	DATE	REVISION	APPROV.
6.			
5.			
4.			
3.			
2.			
1.			

LANDSCAPE PLAN
NWC OF I-30 & STODGILL RD.
ROCKWALL, TEXAS 75087

L-2



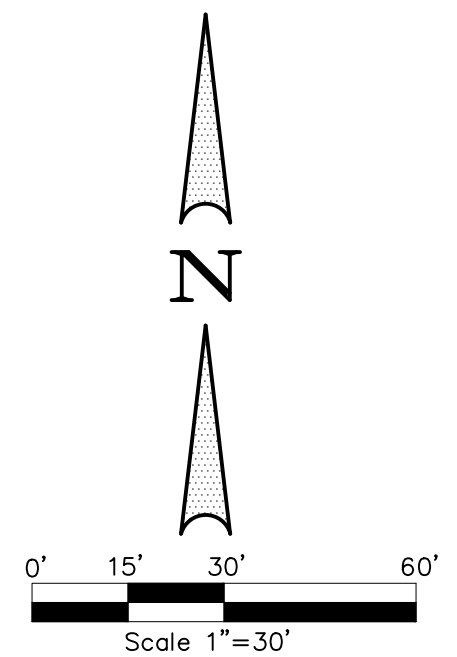
PROPOSED LOT
18.663 AC.
(812,978 S.F.)

REF SHEET L-5 FOR PLANT LEGEND

CAUTION!!!
UNDERGROUND UTILITIES ARE LOCATED IN THIS AREA. 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, CONTACT LINE LOCATES FOR FRANCHISE UTILITY INFO. CALL BEFORE YOU DIG:
TEXAS EXCAVATION SAFETY SYSTEM (TESS) 1-800-344-8377
TEXAS ONE CALL SYSTEMS 1-800-245-4545
LONE STAR NOTIFICATION CENTER 1-800-669-8344 EXT. 5



BEFORE YOU DIG...



FAIN • CUPPET
LANDSCAPE ARCHITECTS, LLC
8233 Mid Cities Blvd., Suite B
North Richland Hills, TX 76182-4761 817-479-0730
PARKS AND OPEN SPACE PLANNING • LANDSCAPE ARCHITECTURE • IRRIGATION DESIGN

THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPETT, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 1/20/15, WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING. PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS, THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

SITE PLAN SIGNATURE BLOCK:

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL
E.M. ELLIOT SURVEY, ABSTRACT NO. 77 &
JOHN LOCKHART SURVEY, ABSTRACT NO. 134
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

CIVIL ENGINEER:
WINKELMANN & ASSOCIATES INC.
6750 HILL CREST PLAZA DRIVE, SITE 215
DALLAS, TEXAS 75230
TEL: (972) 490-7090x203
CONTACT: WILL WINKELMANN

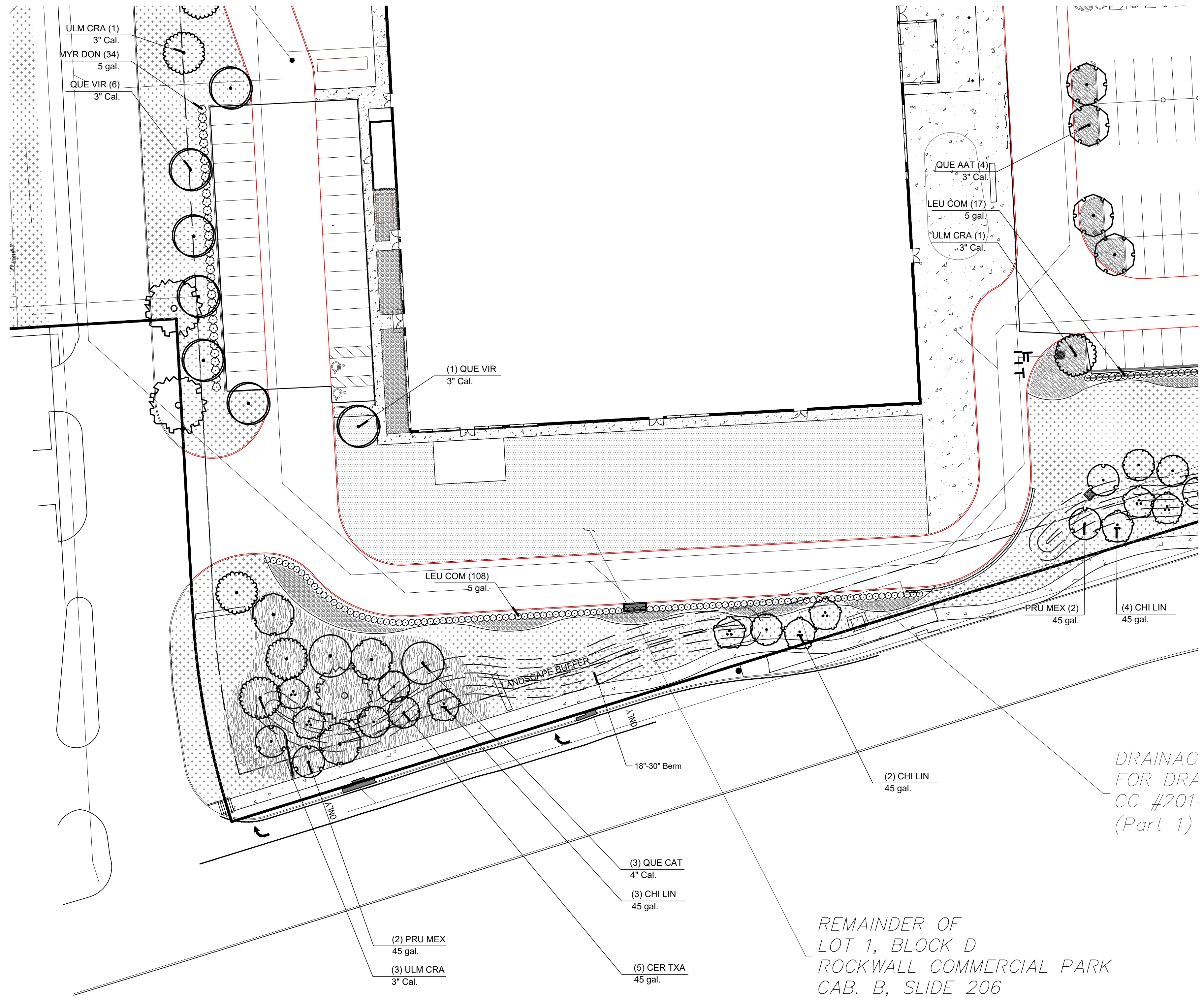
IKEA
400 ALAN WOOD ROAD
CONSHOHOCKEN, PA 19428
TEL: (610) 834-0180
CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

LANDSCAPE PLAN
NWC OF I-30 & STODGILL RD.
ROCKWALL, TEXAS 75087

L-3

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
6750 HILL CREST PLAZA DRIVE, SUITE 215 (972) 490-7090
DALLAS, TEXAS 75230 (972) 490-7090 FAX
CIVIL ENGINEER REGISTRATION NO. 2672 GREG CUPPETT
SURVEYOR REGISTRATION NO. 100124


No.	DATE	REVISION	APPROV.
6.			
5.			
4.			
3.			
2.			
1.			



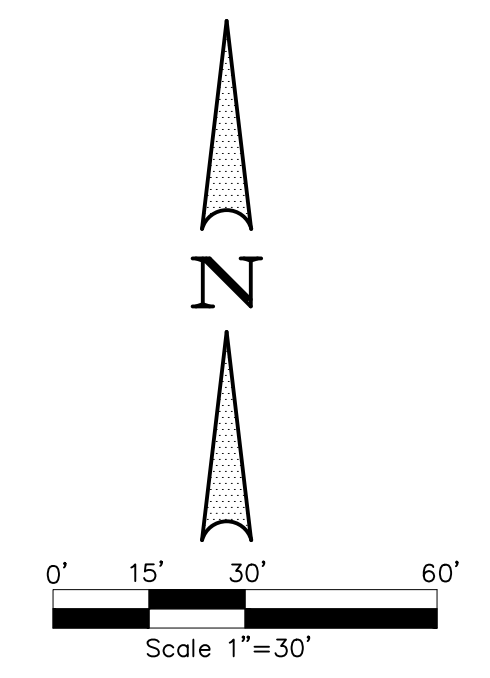
REMAINDER OF LOT 1, BLOCK D
 ROCKWALL COMMERCIAL PARK
 CAB. B, SLIDE 206

REF SHEET L-5 FOR PLANT LEGEND

CAUTION!!!
 UNDERGROUND UTILITIES ARE LOCATED IN THIS AREA. 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, CONTACT LINE LOCATES FOR FRANCHISE UTILITY INFO. CALL BEFORE YOU DIG:
 TEXAS EXCAVATION SAFETY SYSTEM (TESS) 1-800-344-8377
 TEXAS ONE CALL SYSTEMS 1-800-245-4545
 LONE STAR NOTIFICATION CENTER 1-800-669-8344 EXT. 5



BEFORE YOU DIG...




FAIN • CUPPETT
LANDSCAPE ARCHITECTS, LLC
 8233 Mid Cities Blvd., Suite B
 North Richland Hills, TX 76182-4761 817-479-0730
 PARKS AND OPEN SPACE PLANNING • LANDSCAPE ARCHITECTURE • IRRIGATION DESIGN

THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPETT, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 1/20/15, WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING. PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS, THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

SITE PLAN SIGNATURE BLOCK:

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____.

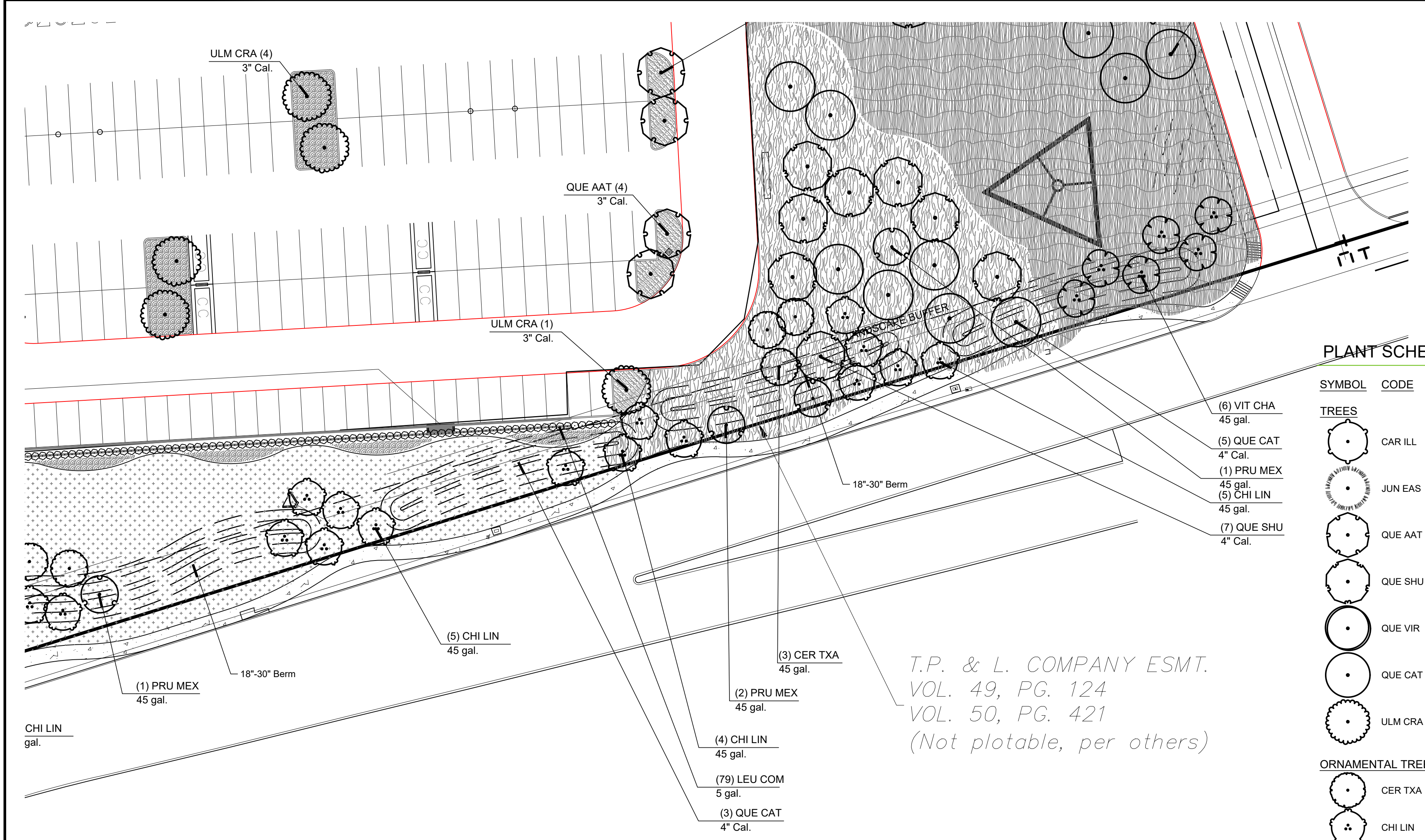
 PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL
 E.M. ELLIOTT SURVEY, ABSTRACT NO. 77 &
 JOHN LOCKHART SURVEY, ABSTRACT NO. 134
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

CIVIL ENGINEER:
 WINKELMANN & ASSOCIATES INC.
 6750 HILL CREST PLAZA DRIVE, SITE 215
 DALLAS, TEXAS 75230
 TEL: (972) 490-7090x203
 CONTACT: WILL WINKELMANN

IKEA
 400 ALAN WOOD ROAD
 CONSHOHOCKEN, PA 19428
 TEL: (610) 834-0180
 CONTACT: JEANNIE.DEFAZIO@INGKA.IKEA.COM

<p>LANDSCAPE PLAN</p> <p>NWC OF I-30 & STODGILL RD. ROCKWALL, TEXAS 75087</p> <p>L-4</p>	<p>Winkelmann & Associates, Inc.</p> <p>CONSULTING CIVIL ENGINEERS ■ SURVEYORS</p> <p>6750 HILLCREST PLAZA DRIVE, SUITE 215 DALLAS, TEXAS 75230 (972) 490-7090 FAX (972) 490-7099 FAX Copyright © 2015 Winkelmann & Associates, Inc.</p>	<p>100124</p>
	<p>6.</p>	<p>5.</p>
	<p>4.</p>	<p>3.</p>
	<p>2.</p>	<p>1.</p>
	<p>No.</p>	<p>DATE</p>
	<p>APPROV.</p>	<p>REVISION</p>



T.P. & L. COMPANY ESMT.
VOL. 49, PG. 124
VOL. 50, PG. 421
(Not plotable, per others)

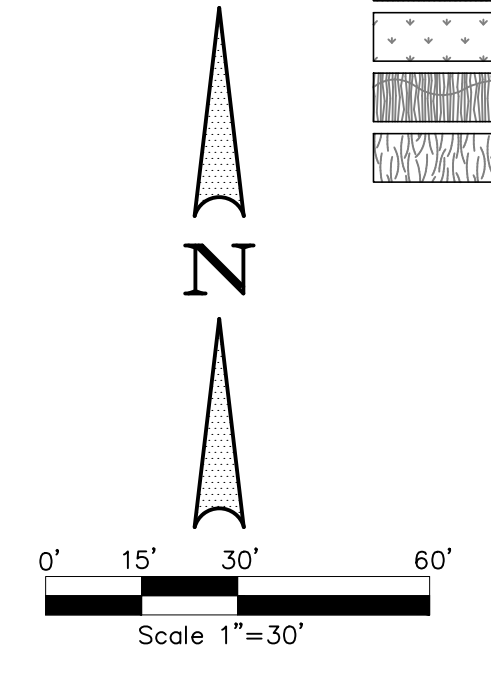
RAINAGE EASEMENT
OR DRAINAGE PURPOSES
#20140000016307
(art 1)

REFERENCE NOTES SCHEDULE

SYMBOL	ROCK DESCRIPTION	QTY	DETAIL
K-101	Decomposed Granite	34.39 cy	

CAUTION!!!
UNDERGROUND UTILITIES ARE LOCATED IN THIS AREA. 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, CONTACT LINE LOCATES FOR FRANCHISE UTILITY INFO. CALL BEFORE YOU DIG!
TEXAS EXCAVATION SAFETY SYSTEM (TESS)
1-800-344-8377
TEXAS ONE CALL SYSTEMS
1-800-245-4545
LONE STAR NOTIFICATION CENTER
1-800-669-8344 EXT. 5

BEFORE YOU DIG...



PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	SPACING	SPACING	REMARKS
TREES									
	CAR ILL	26	Carya illinoensis	Pecan	3" Cal.	12' Height Min	As Shown		Single Straight Trunk
	JUN EAS	15	Juniperus virginiana	Eastern Redcedar	3" Cal.	10' Min.	As Shown		Single Straight Trunk
	QUE AAT	20	Quercus buckleyi	Texas Red Oak	3" Cal.	12' Height Min	As Shown		Single Straight Trunk
	QUE SHU	14	Quercus shumardii	Shumard Oak	4" Cal.	12' Height Min	As Shown		Single Straight Trunk
	QUE VIR	24	Quercus virginiana	Southern Live Oak	3" Cal.	12' Height Min	As Shown		Single Straight Trunk
	QUE CAT	12	Quercus virginiana 'SDLN'	Cathedral™ Live Oak	4" Cal.	12' Height Min	As Shown		Single Straight Trunk
	ULM CRA	50	Ulmus crassifolia	Cedar Elm	3" Cal.	12' Height Min	As Shown		Single Straight Trunk
ORNAMENTAL TREES									
	CER TXA	20	Cercis canadensis texensis	Texas Redbud	45 gal.	6' Min Ht	As Shown		Single Straight Trunk
	CHI LIN	28	Chilopsis linearis	Desert Willow	45 gal.	8' Min.	As Shown		Tree Form
	ILE VOM	10	Ilex vomitoria	Yaupon Holly	45 gal.	6' Min Ht	As Shown		Tree Form
	PRU MEX	21	Prunus mexicana	Mexican Plum	45 gal.	8' Min.	As Shown		Single Straight Trunk
	VIT CHA	6	Vitex agnus-castus	Chaste Tree	45 gal.	6' Min Ht	As Shown		
SHRUBS									
	HES PAR	7	Hesperaloe parviflora	Red Yucca	5 gal.	18"-24"	48" O.C.		Apply at recommended rate
	LEU COM	196	Leucophyllum frutescens 'Compacta'	Compact Texas Sage	5 gal.	24" min.	36" O.C.		Apply at recommended rate
	MUH CAP	14	Muhlenbergia capillaris	Pink Muhly Grass	5 gal.	18"-24"	48" O.C.		Apply at recommended rate
	MYR DON	87	Myrica cerifera 'Don's Dwarf'	Don's Dwarf Wax Myrtle	5 gal.	18"-24"	48" O.C.		Native
GROUND COVERS									
	BUC DAC	146,862 sf	Buchloe dactyloides	Buffalo Grass	seed				Spread at recommended rate
	CAR CHE	2,580	Carex cherokeensis	Cherokee Sedge	1 gal.		18" O.C.	18" o.c.	Native
	CYN DA2	61,462 sf	Cynodon dactylon	Bermudagrass	Solid Sod				Spread at recommended rate
	NAS TEN	1,813	Nassella tenuissima	Mexican Feather Grass	1 gal.		24" O.C.	24" o.c.	Spread at recommended rate
	NAT LSX	86,785 sf	Native American Seed drainfield mix	Native American Seed 'Drainfield Mix'	seed				Apply at recommended rate
	NAT DTD	35,545 sf	Native American Seed eastern savannah mix	Native American Seed 'eastern savannah mix'	seed				Apply at recommended rate
	NAT NLH	21,386 sf	Native American Seed shade friendly grass mix	Native American Seed 'Shade Friendly Grass mix'	seed				Apply at recommended rate

FAIN • CUPPET
LANDSCAPE ARCHITECTS, LLC
8233 Mid Cities Blvd., Suite B
North Richland Hills, TX 76182-4761 817-479-0730
PARKS AND OPEN SPACE PLANNING • LANDSCAPE ARCHITECTURE • IRRIGATION DESIGN

THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPET, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 11/01/15, WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING. PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS, THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____, 2015.
WITNESS OUR HANDS, THIS _____ DAY OF _____, 2015.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL E.M.ELLIOT SURVEY, ABSTRACT NO. 77 & JOHN LOCKHART SURVEY, ABSTRACT NO. 134 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

CIVIL ENGINEER:
WINKELMANN & ASSOCIATES INC.
6750 HILL CREST PLAZA DRIVE, SITE 215
DALLAS, TEXAS 75230
TEL: (972) 490-7090x203
CONTACT: WILL WINKELMANN

IKEA
400 ALAN WOOD ROAD
CONSHOHOCKEN, PA 19428
TEL: (610) 834-0180
CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

6.	5.	4.	3.	2.	1.	No.	DATE	REVISION	APPROV.

Winkelman & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
6750 HILLCREST PLAZA DRIVE, SUITE 215 DALLAS, TEXAS 75230
(972) 490-7090 FAX (972) 490-7099 FAX
Texas Engineers Registration No. 008686-01
Professional Seal of Will Winkelman, Inc.
Professional Seal of Greg Cuppet, Landscape Architect

100124

LANDSCAPE PLAN
NWC OF I-30 & STODGILL RD.
ROCKWALL, TEXAS 75087

L-5



PLANT SCHEDULE


SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	SPACING	REMARKS
TREES								
	CAR ILL	26	Carya illinoensis	Pecan	3" Cal.	12' Height Min	As Shown	Single Straight Trunk
	JUN EAS	15	Juniperus virginiana	Eastern Redcedar	3" Cal.	10' Min.	As Shown	Single Straight Trunk
	QUE AAT	20	Quercus buckleyi	Texas Red Oak	3" Cal.	12' Height Min	As Shown	Single Straight Trunk
	QUE SHU	14	Quercus shumardii	Shumard Oak	4" Cal.	12' Height Min	As Shown	Single Straight Trunk
	QUE VIR	24	Quercus virginiana	Southern Live Oak	3" Cal.	12' Height Min	As Shown	Single Straight Trunk
	QUE CAT	12	Quercus virginiana 'SDLN'	Cathedral™ Live Oak	4" Cal.	12' Height Min	As Shown	Single Straight Trunk
	ULM CRA	50	Ulmus crassifolia	Cedar Elm	3" Cal.	12' Height Min	As Shown	Single Straight Trunk

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	SPACING	REMARKS
ORNAMENTAL TREES								
	CER TXA	20	Cercis canadensis texensis	Texas Redbud	45 gal.	6' Min Ht	As Shown	Single Straight Trunk, 3" Cal'
	CHI LIN	28	Chilopsis linearis	Desert Willow	45 gal.	8' Min.	As Shown	Tree Form
	ILE VOM	10	Ilex vomitoria	Yaupon Holly	45 gal.	6' Min Ht	As Shown	Tree Form
	PRU MEX	21	Prunus mexicana	Mexican Plum	45 gal.	8' Min.	As Shown	Single Straight Trunk
	VIT CHA	6	Vitex agnus-castus	Chaste Tree	45 gal.	6' Min Ht	As Shown	

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	SPACING	REMARKS
SHRUBS								
	HES PAR	7	Hesperaloe parviflora	Red Yucca	5 gal.	18"-24"	48" O.C.	
	LEU COM	196	Leucophyllum frutescens 'Compacta'	Compact Texas Sage	5 gal.	24" min.	36" O.C.	
	MUH CAP	14	Muhlenbergia capillaris	Pink Muhly Grass	5 gal.	18"-24"	48" O.C.	
	MYR DON	87	Myrica cerifera 'Don's Dwarf'	Don's Dwarf Wax Myrtle	5 gal.	18"-24"	48" O.C.	Native

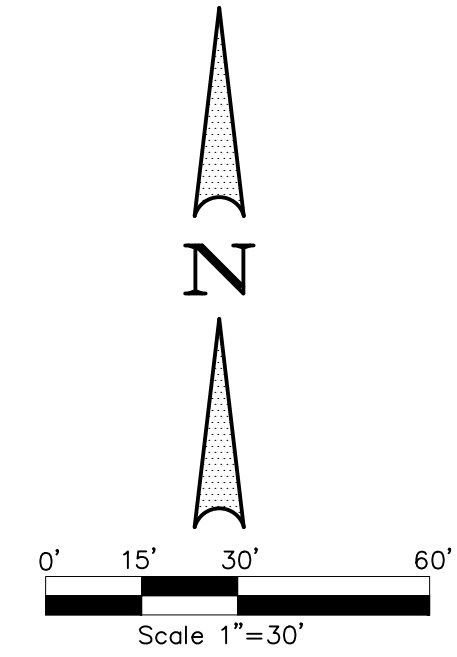
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	SPACING	REMARKS
GROUND COVERS								
	BUC DAC	146,862 sf	Buchloe dactyloides	Buffalo Grass	seed			Spread at recommended rate
	CAR CHE	2,580	Carex cherokeensis	Cherokee Sedge	1 gal.		18" O.C.	18" o.c. Native
	CYN DA2	61,462 sf	Cynodon dactylon	Bermudagrass	Solid Sod			
	NAS TEN	1,813	Nassella tenuissima	Mexican Feather Grass	1 gal.		24" O.C.	24" o.c.
	NAT LSX	86,785 sf	Native American Seed drainfield mix	Native American Seed 'Drainfield Mix'	seed			Apply at recommended rate
	NAT DTD	35,545 sf	Native American Seed eastern savannah mix	Native American Seed 'Eastern Savannah Mix'	seed			Spread at recommended rate
	NAT NLH	21,386 sf	Native American Seed shade friendly grass mix	Native American Seed 'Shade Friendly Grass mi	seed			Spread at recommended rate

CAUTION!!!
 UNDERGROUND UTILITIES ARE LOCATED IN THIS AREA. 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, CONTACT LINE LOCATES FOR FRANCHISE UTILITY INFO. CALL BEFORE YOU DIG:
 TEXAS EXCAVATION SAFETY SYSTEM (TESS) 1-800-344-8377
 TEXAS ONE CALL SYSTEMS 1-800-245-4545
 LONE STAR NOTIFICATION CENTER 1-800-669-8344 EXT. 5



BEFORE YOU DIG...

FAIN • CUPPET LANDSCAPE ARCHITECTS, LLC
 8233 Mid Cities Blvd., Suite B
 North Richland Hills, TX 76182-4761 817-479-0730
 PARKS AND OPEN SPACE PLANNING • LANDSCAPE ARCHITECTURE • IRRIGATION DESIGN



SITE PLAN SIGNATURE BLOCK:

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL E.M. ELLIOT SURVEY, ABSTRACT NO. 77 & JOHN LOCKHART SURVEY, ABSTRACT NO. 134 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

CIVIL ENGINEER:
 WINKELMANN & ASSOCIATES, INC.
 6750 HILL CREST PLAZA DRIVE, SITE 215
 DALLAS, TEXAS 75230
 TEL: (972) 490-7090x203
 CONTACT: WILL WINKELMANN

IKEA
 400 ALAN WOOD ROAD
 CONSHOHOCKEN, PA 19428
 TEL: (610) 834-0180
 CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

LANDSCAPE PLAN
 NWC OF I-30 & STODGILL RD.
 ROCKWALL, TEXAS 75087

WinkelmANN & Associates, Inc.
 CONSULTING CIVIL ENGINEERS ■ SURVEYORS
 6750 HILLCREST PLAZA DRIVE, SUITE 215
 DALLAS, TEXAS 75230
 (972) 490-7090
 (972) 490-7099 FAX
 COPYRIGHT © 2024 WinkelmANN & Associates, Inc.

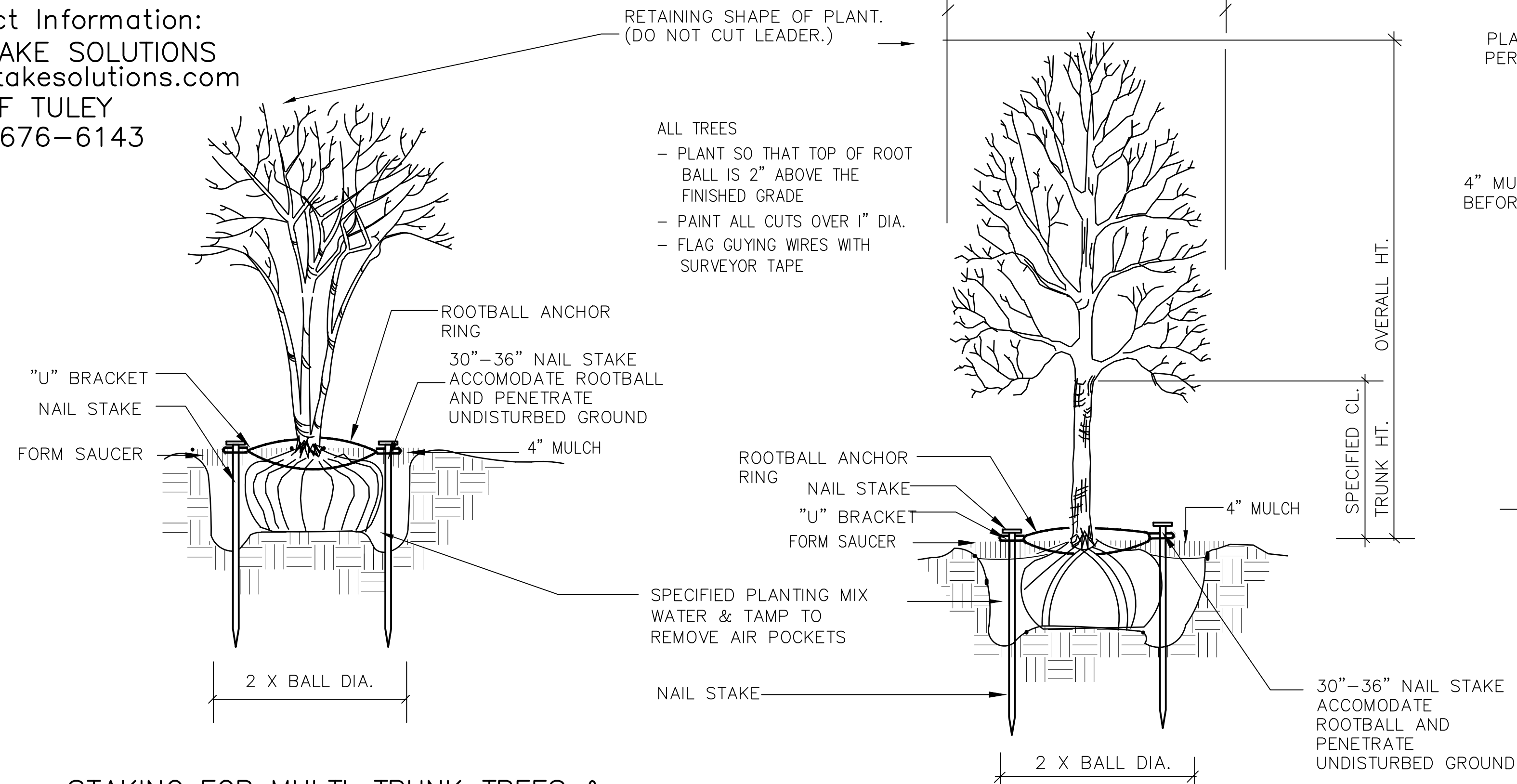
100124

REVISION

No.	DATE	REVISION
6.		
5.		
4.		
3.		
2.		
1.		

APPROV

Contact Information:
TREE STAKE SOLUTIONS
 www.treestakesolutions.com
 JEFF TULEY
 903-676-6143

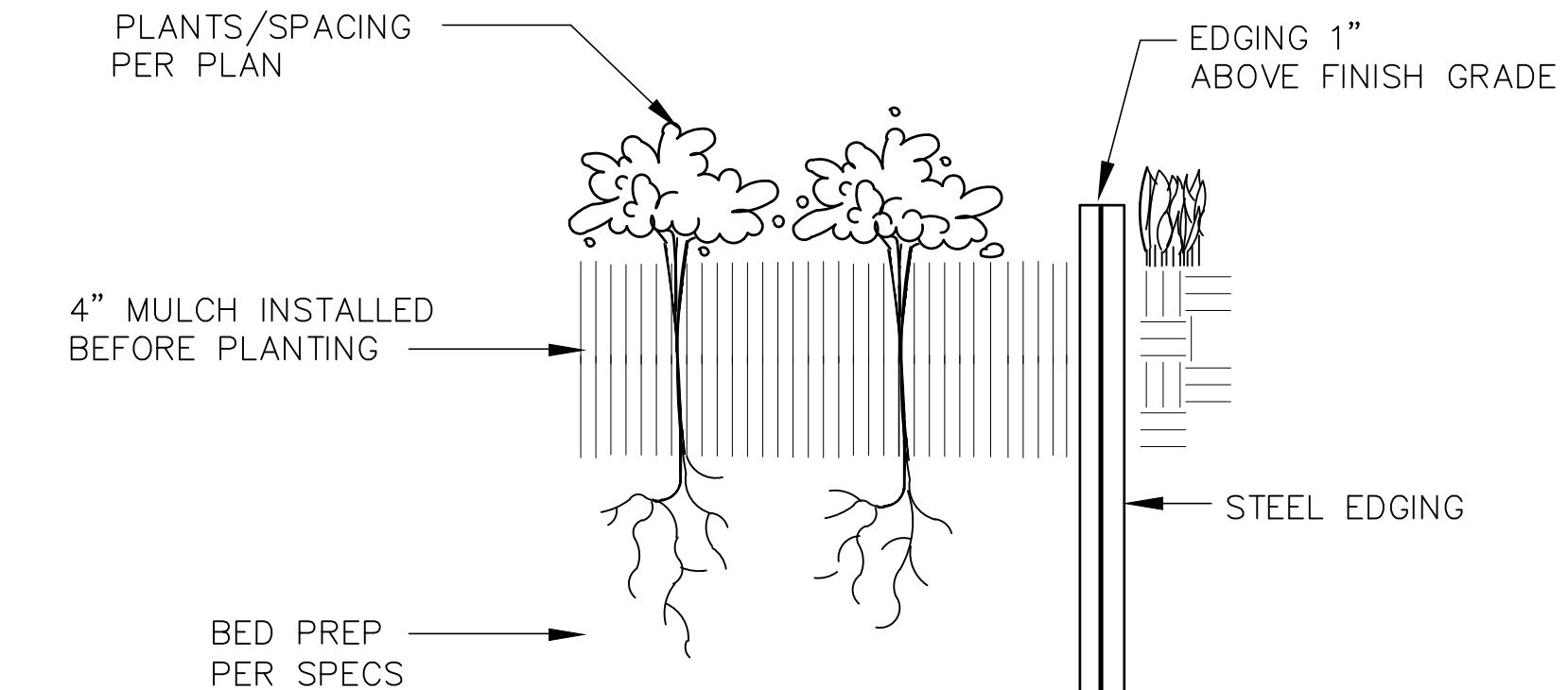


STAKING FOR MULTI-TRUNK TREES & TREES 2" CAL. & UNDER

SCALE: NOT TO SCALE

SAFETY STAKE BY TREE STAKE SOLUTIONS

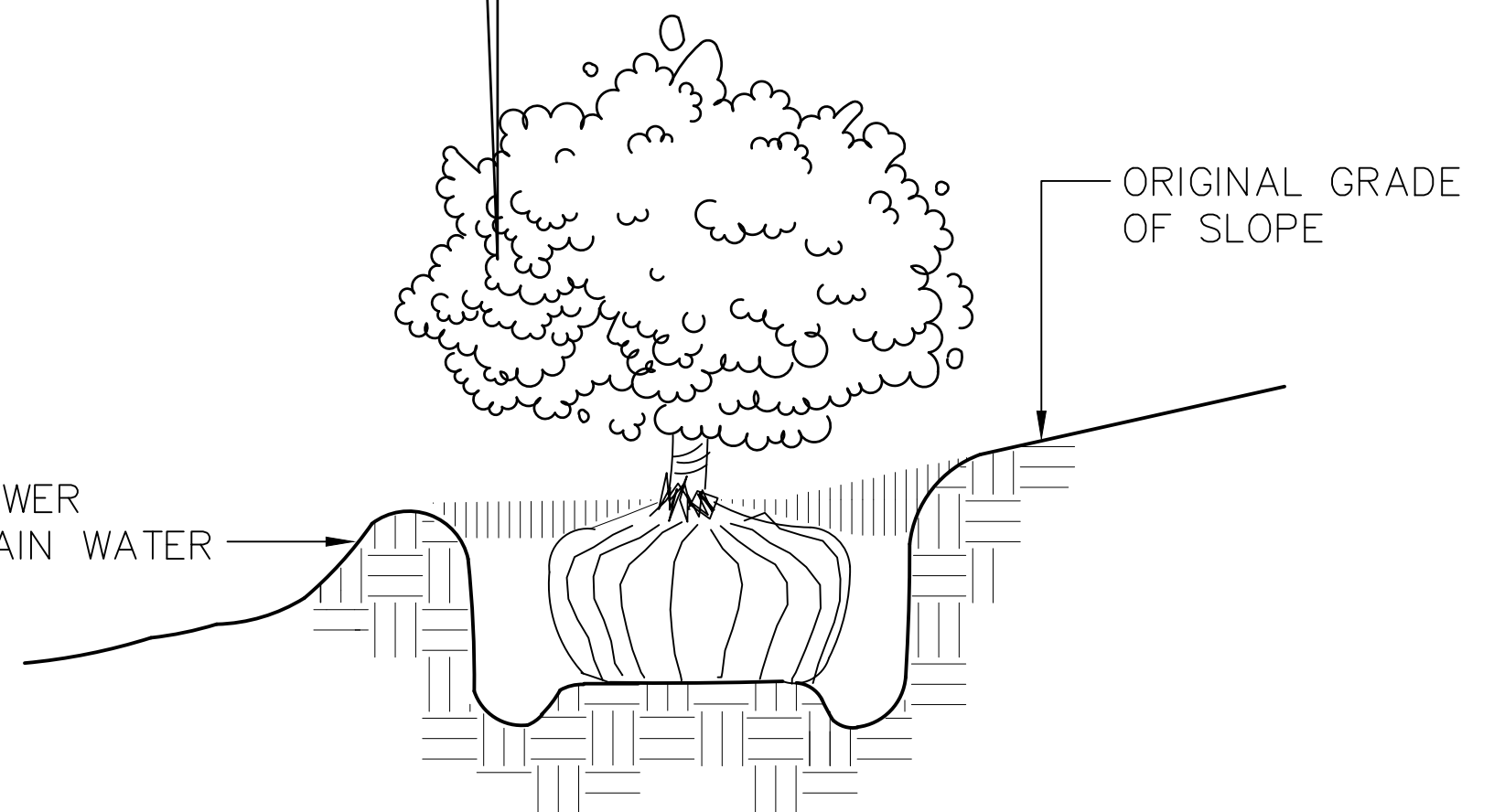
SCALE: NOT TO SCALE



BEDDING PLANTS/ EDGING DETAIL

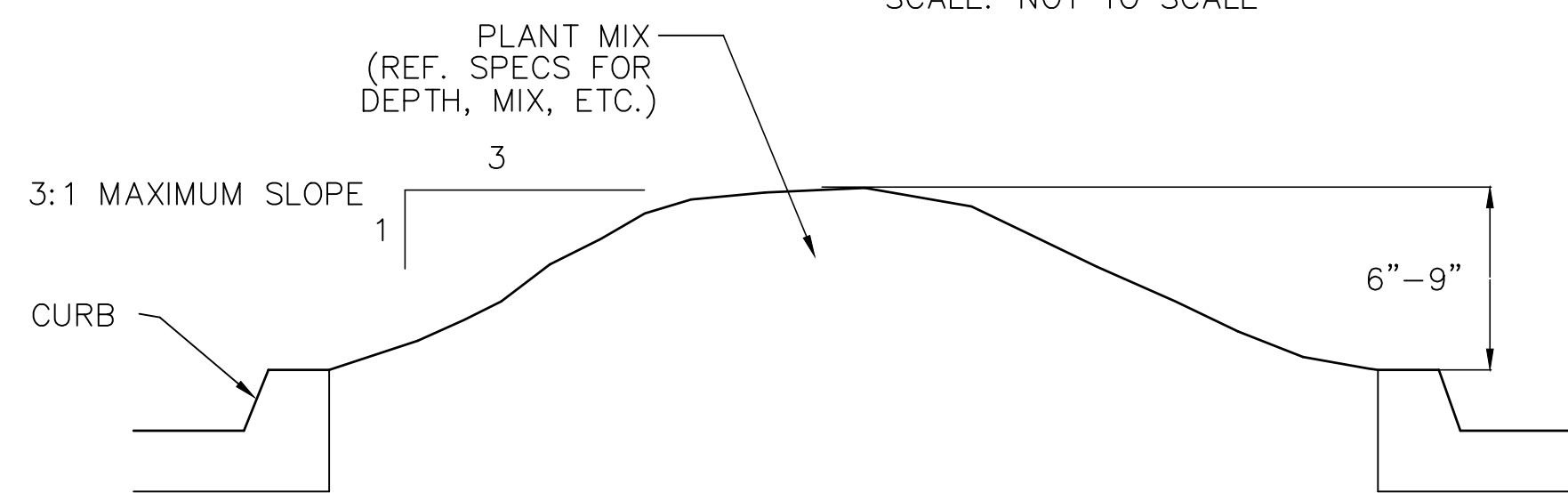
SCALE: NOT TO SCALE

MAINTAIN SAUCER ON LOWER SIDES OF PLANT TO RETAIN WATER



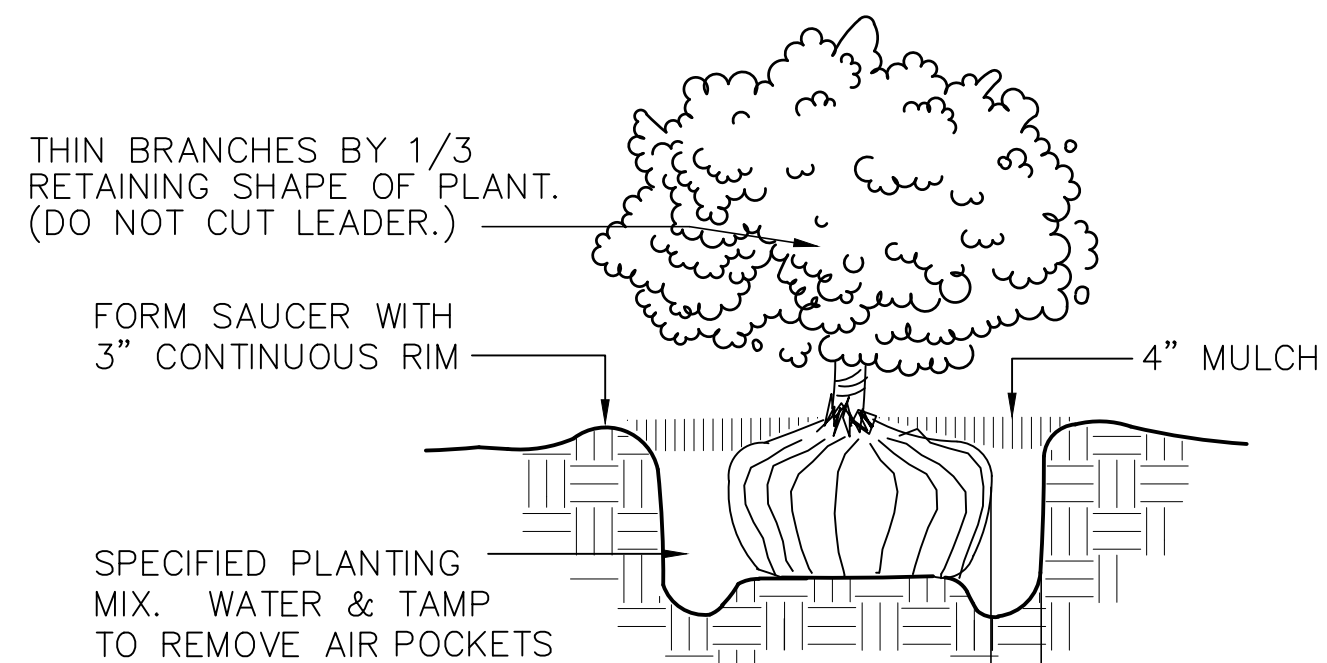
TREE/SHRUB PLANTING ON SLOPES

SCALE: NOT TO SCALE



TYPICAL PARKING LOT ISLAND MOUNDING

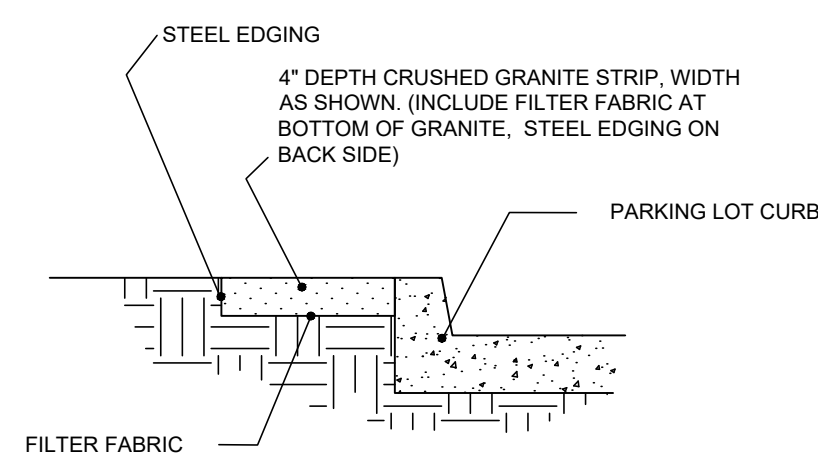
SCALE: NOT TO SCALE



NOTE: 6" WIDTH IS MINIMUM. IF PLANTED IN DEFINED BED, PREP, ENTIRE BED AS SHOWN ON DRAWINGS.

SHRUB PLANTING

SCALE: NOT TO SCALE



GRANITE STRIP

NTS



THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPETT, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 1/20/15, WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING. PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS, THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

SITE PLAN SIGNATURE BLOCK:

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL
 E.M. ELLIOT SURVEY, ABSTRACT NO. 77 &
 JOHN LOCKHART SURVEY, ABSTRACT NO. 134
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

CIVIL ENGINEER:
 WINKELMANN & ASSOCIATES INC.
 6750 HILL CREST PLAZA DRIVE, SITE 215
 DALLAS, TEXAS 75230
 TEL: (972) 490-7090x203
 CONTACT: WILL WINKELMANN

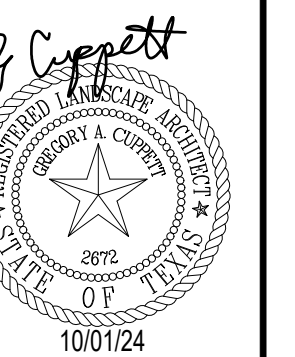
IKEA
 400 ALAN WOOD ROAD
 CONSHOHOCKEN, PA 19428
 TEL: (610) 834-0180
 CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

PLANTING DETAILS
 NWC OF I-30 & STODGILL RD.
 ROCKWALL, TEXAS 75087

L-7

No.	DATE	REVISION	APPROV.
6.			
5.			
4.			
3.			
2.			
1.			

Winkelmann & Associates, Inc.
 CONSULTING CIVIL ENGINEERS ■ SURVEYORS
 6750 HILL CREST PLAZA DRIVE, SUITE 215
 DALLAS, TEXAS 75230
 (972) 490-7090
 (972) 490-1099 FAX
 COPYRIGHT © 2015, Winkelmann & Associates, Inc.



SECTION 02830

TREES SHRUBS, AND GROUNDCOVERS

PART I GENERAL

1.01 DESCRIPTION OF WORK

A. Scope

- 1. Bed prep
2. Metal edging
3. Topsoil
4. Planting
5. Mulching
6. Guarantee

B. Related Work Specified Elsewhere

- 1. General Requirements -All locations
2. Section 02740 -Irrigation Trenching
3. Section 02750 -Irrigation
4. Section 02800 - Lawns

1.02 QUALITY ASSURANCE

A. Contractor Qualifications

Minimum of three (3) years experience on projects of similar characteristics and size.

B. Reference Standards:

- 1. American Joint Committee Of Horticultural Nomenclature: Standardized Plant Names, Second Edition, 1942;
2. American Association Of Nurserymen: American Standard For Nursery Stock, 1973

C. Substitutions

- 1. Substitutions accepted only upon written approval of Landscape Architect and Owner.
2. Submit substitutions possessing same characteristics as indicated on plans and specifications.

D. Inspection and Testing

- 1. The project Owner's representative reserves the right to inspect and tag plants at the place of growth with the Contractor.
2. Inspection at place of growth does not preclude the right of rejection due to improper digging or handling.
3. Owner's representative reserves the right to request soil samples and analysis of soil and plant mix. Remove or correct unacceptable soil. Cost of testing by Contractor.

1.03 SUBMITTALS

A. Certificates

- 1. Submit State and Federal certificates of inspection with invoice. (Only if required by Landscape Architect.)
2. File certificates with Owner's representative prior to material acceptance.

1.04 PRODUCT DELIVERY, STORAGE, & HANDLING

A. Preparation of Delivery

1. Balled & Burlaped (B&B) Plants

- a. Dig and prepare for shipment in manner that will not damage roots, branches, shape, and future development after replanting.
b. Ball with firm, natural ball of soil, wrapped tightly with burlap covering entire ball.
c. Ball size and ratios: conform to American Association of Nurserymen standards unless otherwise shown on plant list.

- 2. Pack plant material to protect against climatic & seasonal damage, as well as breakage injuries during transit.
3. Securely cover plant tops with ventilated tarpaulin or canvas to minimize wind-whipping and drying in transit.
4. Pack and ventilate to prevent sweating of plants during transit. Give special attention to insure prompt delivery and careful handling to point of delivery at job site.

B. Delivery

- 1. Deliver fertilizer, fertilizer tablets, peat, mulch, soil additives, and amendment materials to site in original, unopened containers, bearing manufacturer's guaranteed chemical analysis, name, trade name, trademark, and conformance to State law.
2. Deliver plants with legible identification and size labels on example plants.
3. Protect during delivery to prevent damage to root ball or desiccation of leaves.
4. Notify Owner's representative of delivery schedule in advance so plant material may be inspected upon arrival at job site.
5. Deliver plants to job site only when areas are prepared.

C. Storage

- 1. Protect roots of plant material from drying or other possible injury with wetted mulch or other acceptable material.
2. Protect from weather.
3. Maintain and protect plant material not to be planted immediately upon delivery.

D. Handling

- 1. Do not drop plants.
2. Do not damage ball, trunk, or crown.
3. Lift and handle plants from bottom of container or ball.

1.05 JOB CONDITIONS

- E. Planting Season Perform actual planting only when weather and soil conditions are suitable in accordance with locally acceptable practices.
F. Protection Before excavations are made, take precautionary measures to protect areas trucked over and where soil is temporarily stacked.

1.06 GUARANTEE

- A. Guarantee new plant material for one year after acceptance of final installation (ie Final Acceptance of project).
B. Make replacement (one per plant) during one year guarantee period at appropriate season with original plant type, size and planting mixture.
C. Repair damage to other plants, lawns, & irrigation caused during plant replacement at no cost to Owner.
D. Use only plant replacements of indicated size and species.

PART II PRODUCTS

2.01 MATERIALS

A. Plant Materials

- 1. Hardy under climatic conditions similar to locality of project.
2. True to botanical and common name variety.
3. Sound, healthy, vigorous, well branched, and densely foliated when in leaf; with healthy well-developed root system.
4. Free from disease, insects, and defects such as knots, sun-scald, windburn, injuries, disfigurement, or abrasions.
5. Conform to measurements after pruning with branches in normal positions.
6. Conform to American Association of Nurserymen standards unless shown differently on plant list.
7. Trees:
a. Single, straight trunks, unless indicated otherwise
b. Trees with weak, thin trunks not capable of support will not be accepted.
8. All multi-stem trees are to have a minimum of three stems, similar in size and shape, with a spread of approximately 2/3 of the height. All youpons to be female. Grape myrtle color selection by Landscape Architect.
8. Nursery grown stock only.
9. Subject to approval of Landscape Architect.
10. Seasonal color
a. Annuals in 4' pots or as specified
b. Perennials in 4' pots, clumps, bulbs as specified

B. Topsoil

- 1. Natural, fertile, friable soils having a textural classification of loam or sandy loam possessing characteristics of soils in vicinity which produce heavy growth of crops, grass, or other vegetation.
2. Free of subsoil, brush, organic litter, objectionable weeds, clods, shale, stones 3/4" diameter or larger, stumps, roots or other material harmful to grading, planting, plant growth, or maintenance operations.
3. Presence of vegetative parts of Bermuda grass (Cynodon dactylon), Johnson grass, nut grass (Cyperus rotundus), and other hard to eradicate weeds or grass will be cause for rejection of topsoil.
4. Test topsoil (cost by Contractor):

- a. Available nitrogen
b. Available phosphorus
c. Available potash
d. Iron
e. Ph. 5.5 to 7.0
f. Decomposed organic matter: 6-10%

C. Mulch

- 1. Top Dressing Mulch -Shredded cypress or hard wood only
2. Mulch for soil prep -Shredded pine bark
3. In pre-packaged bags only; bulk shredded material is unacceptable.

- D. Peat Moss Commercially available baled peat moss or approved equivalent.
E. Staking Material

1. Stakes for tree support

- a. Construction grade yellow pine, stain brown
b. Size as noted on plans

2. Wires

- a. Padded with rubber hose to protect tree
b. Galvanized
c. With galvanized turnbuckle
d. Evenly tighten turnbuckles with plant in vertical position.

F. Water

- 1. Free of oils, acids, alkali, salt, and other substances harmful to plant growth
2. Location: Furnish temporary hoses and connections on site.

G. Sand Washed builders sand

H. Antidesicant - "Wilt-proof" or equal.

- I. Edging -3/16" X 4" green, new and unused; with stakes.

2.02 MIXES

A. Planting Mixture

- Existing topsoil -50%
3. Shredded pine bark -50%
4. Fertilizer 10:20:10 at 30 lb./1000 SF

B. Planting Mix for Annuals/Perennials

- 1. Prepare above mix
2. Add 2" of sand

- C. Azalea mix: solid peat in hole 9" wider than root ball each direction. Plant in moist peat moss and provide mound at base of plant to allow for drainage.
D. Japanese maple, dogwood, camellias: Provide 50/50 peat moss to topsoil mix, raise for drainage.

PART III - EXECUTION

- 3.01 UTILITIES - verify location of all utilities prior to initiating construction; repair any damage caused by construction at no cost to owner.

3.02 INSPECTION

- A. Inspect plants for injury and insect infestation; prune prior to installation.
B. Inspect site to verify suitable job conditions.

3.03 FIELD MEASUREMENTS

- A. Location of all trees and shrubs to staked in the field and approved by Owner's representative prior to installation.
B. Location of all groundcover and seeding limits as shown on plans.

3.04 EXCAVATION FOR PLANTING

A. Pits

- 1. Shape - Vertical hand scarified sides and flat bottom.
2. Size for trees -2 feet wider or twice the root ball, whichever is greater.
3. Size for shrubs -Size of planting bed as shown on drawings.
4. Rototill soil mix thoroughly, full depth.
5. NOTE: If beds are proposed beneath drip line of existing tree canopy, pocket prep plants. Do not roto-till beneath existing trees.

B. Obstructions Below Ground

- 1. Remove rock or underground obstructions to depth necessary to permit planting.
2. If underground obstructions cannot be removed, notify Owner's representative for instruction.

- C. Excess Soil Dispense of unacceptable or excess soil away from the project site at Contractor's expense.

3.05 PLANTING

A. General

- 1. Set plants 2" above existing grade to allow for settling.
2. Set plants plumb and rigidly braced in position until planting mixture has been tamped solidly around ball.
3. Apply soil in accordance with standard industry practice for the region.
4. Thoroughly settle by water jetting and tamping soil in 6" lifts.
5. Prepare 3" dish outside root ball after planting.
6. Thoroughly water all beds and plants.
7. Stake trees and large shrubs as indicated on plans.
8. Apply anti-desicant according to manufacturer's instructions.
9. Apply commercially manufactured root stimulator as directed by printed instruction.
10. Plant and fertilize bedding plants per trade standards.
11. Apply 3" mulch top dressing.

B. Balled Plants

- 1. Place in pit of planting mixture that has been hand tamped prior to placing plant.
2. Place with burlap intact to ground line. Top of ball to be 2" above surrounding soil to allow for settling.
3. Remove binding at top of ball and lay top of burlap back 6".
4. Do not pull wrapping from under ball, but cut all binding cord.
5. Do not plant if ball is cracked or broken before or during planting process or if stem or trunk is loose.
6. Backfill with planting mixture in 6" lifts.

C. Container Grown Plants

- 1. Place in pit on planting mixture that has been hand tamped prior to placing plant.
2. Cut cans on two sides with an acceptable can cutter, and remove root ball from can.

- Do not injure root ball.
3. Carefully remove plants without injury or damage to root balls.
4. Backfill with planting mixture in 6" lifts.

D. Mulching

- 1. Cover planting bed evenly with 3" of mulch.
2. Water immediately after mulching.
3. Where mulch has settled, add additional mulch to regain 3" thickness.
4. Hose down planting area with fine spray to wash leaves of plants.

D. Pruning

- 1. Prune minimum necessary to remove injured twigs and branches, dead wood, and succors; remove approximately 1/3 of twig growth as directed by landscape architect; do not cut leaders or other major branches of plant unless directed by landscape architect.
2. Make cuts flush, leaving no stubs.
3. Paint cuts over 1" diameter with approved tree wound paint.
4. Do not prune evergreens except to remove injured branches.

3.06 EDGING

- A. Stake edging alignment with string line prior to installation. Use framing square to insure right angles are true.
B. Install all edging straight and true as indicated on drawings. Where edging layout is circular in design, maintain true and constant radii as shown.
C. When required on slopes, make vertical cuts (approximately 6" on center) on bottom of edging to allow bending without crimping edging.
D. Install edging so that approximately 1" is exposed on lawn side. Edging should not be visible from bed side after application of mulch.
E. Align edging with architectural features (ie pavement joints, windows, columns, wall, etc.) when drawings indicate.
F. Bend all corners, do not cut corners.
G. Interlock all pieces with pre-fabricated connectors.
H. Install with all stakes on inside of planting bed.
I. Remove, file off all sharp corners and burrs.

3.07 CLEAN-UP

- A. Sweep and wash all paved surfaces.

Remove all planting and construction debris from site, including rocks, trash and all other miscellaneous materials.

3.08 MAINTENANCE

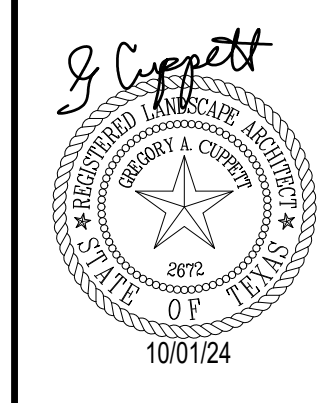
- A. Contractor responsible for routine, and regular maintenance of site until Final Acceptance is awarded by Owner. Work includes:

- 1. Weeding (weekly)
2. Watering (as required)
3. Pruning
4. Spraying
5. Fertilizing
6. Mulching
7. Mowing (weekly)

- B. Provide Owner and Landscape Architect with preferred maintenance schedule in writing. Schedule shall include the above-listed tasks and shall address all frequencies, rates, times, levels, etc.

Table with 6 columns: No., DATE, REVISION, APPROV. (rows 1-6)

Winkelmann & Associates, Inc. CONSULTING CIVIL ENGINEERS SURVEYORS
6750 HILLCREST PLAZA DRWC, SUITE 215 DALLAS, TEXAS 75230
(972) 490-7090 (972) 490-7099 FAX



PLANTING SPECIFICATIONS
NWC OF I-30 & STODGILL RD.
ROCKWALL, TEXAS 75087

FAIN • CUPPETT LANDSCAPE ARCHITECTS, LLC
8233 Mid Cities Blvd., Suite B North Richland Hills, TX 76182-4761 817-479-0730

THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPETT, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 1/30/15, WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING, PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

SITE PLAN SIGNATURE BLOCK:
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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE DAY OF ...
WITNESS OUR HANDS, THIS ... DAY OF ...
PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING
BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL E.M.ELLIOT SURVEY, ABSTRACT NO. 77 & JOHN LOCKHART SURVEY, ABSTRACT NO. 134 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

CIVIL ENGINEER: WINKELMANN & ASSOCIATES, INC. 6750 HILL CREST PLAZA DRIVE, STE 215 DALLAS, TEXAS 75230 TEL: (972) 490-7090x203 CONTACT: WILL WINKELMANN
IKEA 400 ALAN WOOD ROAD CONSHOHOCKEN, PA 19428 TEL: (610) 834-0180 CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

1-00

SECTION 02800

FINISH GRADING, LAWN WORK, WILD FLOWERS

PART I - GENERAL

1.01 DESCRIPTION

A. Work includes turf establishment (sod, hydromulch, etc.) as described on drawings.

B. Make required analysis and material tests for topsoil, fertilizers, and other materials of similar character per current methods of the Association of Official Agricultural Chemists, when required.

C. Grass seed shall conform to tolerances for germination and purity per applicable standards of U.S. Department of Agriculture.

D. The turf contractor shall have a stand of grass established prior to substantial completion of the project. If this is not possible due to time of year or schedule, he shall maintain and protect the seeded areas until the grass is established.

PART II - PRODUCTS

2.01 TOPSOIL MATERIAL

A. Topsoil material (stockpiled, as specified in Specifications) has been saved for use in finish grading. After sifting out all plant growth, rubbish, and stones, use for areas designated to receive grass. If stockpiled topsoil is not sufficient quantity to complete work, furnish acceptable topsoil from another approved source to provide four inches (4") of topsoil for grass areas unless otherwise noted on drawings. Grass areas shall be defined as the graded areas disturbed during construction not to be paved or built upon.

B. Acceptable topsoil material shall be defined as natural, fertile, agricultural soil, capable of sustaining vigorous plant growth, uniform composition throughout admixture of subsoil, free of stones, lumps, plants, and their roots, sticks, or other extraneous matter; do not deliver while in a frozen or muddy condition.

2.02 FERTILIZER

A. Provide a commercial balanced fertilizer delivered to the job in bags labeled with manufacturer's guaranteed analysis. Store in weatherproof storage, place in such a manner that its effectiveness will not be impaired.

B. Fertilizer shall be a grade containing the percentages of plant food elements by weight as specified elsewhere in these specifications.

C. Availability of various elements shall be per Standards of the Association of Official Agricultural Chemists.

2.03 GRASS SEED

A. Grass seed shall be of the previous season's crop and the date of analysis shown on each bag shall be within nine (9) months of the time of delivery to the project. When requested by the Owner or Representative, the seeding contractor shall furnish a sample of seed from each bag for testing.

B. The seed shall comply with all provisions of the U.S. Department of Agriculture as to labeling, purity, and germination.

2.04 MULCHING

A. Dry straw or hay of good quality, free of seeds of competing plants and at such rate of 1 1/2 - 2 tons per acre; or,

B. Wood cellulose or cane fiber mulch at a rate of 1,000 pounds per acre when the slope is 3/4:1 and steeper; or,

C. A combination of good quality dry straw or hay free of seeds of competing plants at a rate of 2 1/2 tons per acre and wood cellulose or cane fiber mulch at a rate of 500 pounds per acre. This combination shall be used when the slope is flatter than 3/4:1; or,

D. Sericea lespedza seed bearing hay at a rate of 3 tons per acre. This mulch may be applied green or air dried, but must contain mature seed.

E. Manufactured mulch materials, such as soil retention blankets, erosion control netting, or others that may be required on special areas of high water concentration or unstable soils. When these materials are used, follow the manufacturer's recommendations for installation.

2.05 HYDRO-MULCHING

Wood cellulose fiber or cane fiber mulch will be applied with hydraulic seeding and fertilizing equipment. All slurry ingredients shall be mixed to form a homogeneous slurry and spray applied within one hour after the mixture is made.

When wood cellulose or cane fiber mulch is used at the 500 pound per acre rate, straw or hay mulch with asphalt emulsion is applied over this to complete the mulch.

Wood cellulose or cane fiber mulch at the 1,000 pound per acre rate is used alone where other mulch material will not stick.

Wood cellulose or cane fiber mulch is self anchoring.

PART III - EXECUTION

3.01 RESPONSIBILITY

The site grading contractor will be responsible to stockpile acceptable topsoil in a sufficient quantity to provide four inches (4") minimum cover for all grass areas, including but not limited to all curbed islands, and topsoil planting mounds/berms at the appropriate height and width as defined and shown on the landscaping and/or planting drawings. The topsoil and grass areas shall be further defined as any area disturbed during the grading and construction process.

The site grading contractor, shall be responsible to spread the topsoil within all perimeter graded areas and future building areas only.

The site grading contractor shall be responsible for backfilling of all curbed islands and planting mounds/berms. They shall also be responsible for removal of all stones, roots, and raking of all topsoil areas that are to be seeded and/or planted. It will also be the site grading contractor's responsibility to provide fertilizer, grass seed, and any additional topsoil required and mulching.

3.02 GRASS SEEDING

A. Remove stones, roots, rubbish and other deleterious materials from topsoiled areas that are to be seeded.

B. Immediately prior to sowing seed, scarify ground as necessary; rake until surface is smooth and friable. Sow seed evenly, lightly wood rake into 02800-3

C. ground, then roll ground with suitable roller; water thoroughly with fine

spray. During any weather, keep lawn watered with sprinklers or other approved methods. Re-seed any areas not doing well or damaged. At intervals as may be required according to seasonal conditions, mow and water grass and execute necessary weeding until acceptable and full stand of grass has been obtained.

D. Provide permanent grass seeding for lawn areas so indicated. Seed in accordance with the following schedule (unless otherwise directed by Owner or Owner's Representative):

1. Sow areas ready for seeding between March 1 and October 1 with Hulled Common Bermuda at a rate of 85 pounds per acre.

2. Sow areas ready for seeding between October 1 and March 1 with Unhulled Common Bermuda at a rate of 90 pounds per acre, and Annual Rye Grass at the rate of 50 pounds per acre.

3. Apply fertilizer at a rate of 20/25 pounds per 1,000 square feet.

3.03 WILD FLOWERS

A. Areas indicated on plans to receive wild flower coverage shall be fine graded, fertilized, and prepared in a manner similar to traditional turf establishment.

B. Area to be hydromulched with seed mix as follows:

Table with 2 columns: Seed type and rate (pounds/acre). Includes Tickseed (10), Cosmos (15), Ox-Eyed Daisy (5), Side Oats Grama (4), Showy Primrose (0.5), Plains Coreopsis (2), Black Eyed Susan (2), Indian Blanket (10), Texas Bluebonnet (4), Little Bluestem (4).

3.04 MULCH

A. All areas to be seeded shall be mulched. B. Mulch materials shall be applied uniformly over the seeded area. Mulch shall be straw and shall be at the rate of 1 1/2 - 2 tons per acre.

B. Mulch shall be anchored with an emulsified asphalt binder at the rate of 10 gallons per 1,000 square feet.

3.05 PROTECTION

Provide, at no additional cost to Owner, fencing, railing, wire or other types of protection for topsoiled and seeded areas against trespassing and damage. If lawns are damaged prior to Final Acceptance, treat or replace them as directed. Remove protection when so directed.

3.06 MAINTENANCE

Provide maintenance from start of work until Final Acceptance. Maintenance includes watering of lawns, weeding, mowing, edging, repairs of wash-outs and gullies, repairs to protection, and other necessary work of maintenance. Maintain slopes against erosion.

3.07 REHYDROMULCHING

The Owner's representative will designate areas to be replanted. Areas on which a stand of growing grass is not present in a reasonable length of time, (Bermuda grass seed should be germinating in 6-8 days) shall be prepared, reseeded and remulched, as specified for original planting at no additional cost to Owner. A stand shall be defined as live plants from seed occurring at a rate of not less than 1,000 growing plants per square foot. Replanting required because of faulty operations or negligence on the part of the Contractor shall be performed without cost to Owner.

3.08 FINAL CLEAN-UP

A. At time of final inspection of work, and before final acceptance, clean paved areas that are soiled or stained by operations of work of this section. Clean by sweeping or washing, and remove all defacements or stains.

B. Remove construction equipment, excess material and tools. Cart away from site any debris resulting from work of this section and dispose of as directed.

SECTION 02922

SODDING

PART I - GENERAL

1.01 DESCRIPTION

A. Work included

- 1. Sod bed preparation
2. Fertilizing
3. Sodding
4. Miscellaneous management practices
B. Related Work Specified Elsewhere

- 1. Finish Grading, Section 02800
2. Lawns and Grasses, Section 02930

1.02 REFERENCE STANDARDS

A. Standardized Plant Names

American Joint Committee of Horticultural Nomenclature, Second Edition, 1942.

B. Texas Highway Department - Standard Specifications for Construction, Item 164, Seeding for Erosion Control.

1.03 SUBMITTALS

A. Vendors Certification That Sod Meets Texas State Sod Law

- 1. Include labeling requirements.
2. Include purity and type.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Sod:

- 1. Previous season's crop with date of analysis on each bag.
2. Furnish and deliver each variety in separate bags or containers.
3. Sod to be cut no more than three days before delivery.

B. Fertilizer:

- 1. Unopened bags labeled with the analysis.
2. Conform to Texas Fertilizer Law.

1.05 JOB CONDITIONS

A. Planting Season:

- 1. Only during suitable weather and soil conditions.
2. As specifically authorized by the Owner's Representative.

B. Schedule - Only after all other construction is complete.

C. Protect and Maintain Sodded Areas

- 1. From traffic and all other use.
2. Until sodding is complete and accepted.

PART II - PRODUCTS

2.01 MATERIALS

A. Sod:

- 1. Sod: As specified on drawings, weed, insect, and disease free having a minimum of 1 inch of topsoil attached to the roots and cut no more than three days prior to installation.
2. The sod shall be cut in strips of at least 1/2 sq. yd. and not more than 1 sq. yd. Sod shall be cut into strips not less than 12" in width or more than 9' in length. At the time of harvest, the top growth shall not exceed 3" in length.
3. All sod shall conform to the laws of the State and shall be obtained from sources meeting the approval of the Department of Agriculture, Division of Entomology.

B. Fertilizer:

- 1. Uniform in composition, free flowing.
2. Suitable for application in approved equipment.
3. Analysis of 16-20-0, 16-8-8 or as directed.

C. Water:

- 1. Free of oil, acid, alkali, salts or other substances harmful to growth of grasses.

PART III - EXECUTION

3.01 SOD BED PREPARATION

A. Cultivate to a depth of four (4") inches by disking and tilling with a power tiller.

B. Clear surfaces of all materials:

- 1. Stumps, stones, and other objects larger than one inch (1").
2. Roots, brush, wire, stakes, etc.
3. Any objects that may interfere with sodding or maintenance.

C. Prepare sod bed:

- 1. Remove soil clods larger than one inch (1").
2. Grade areas to smooth, even surface, removing ridges and filling depressions. Final grade to be below finish grade of curbing and edging as shown on details. All grades shall meet approval of Owner's Representative before sodding.

3.02 SODDING

A. Sodding:

- 1. Lightly water prepared grade, lay sod with staggered joints and with edges touching. Topdress with topsoil at edges if necessary to provide smooth surface. On slopes of 2 to 1 and greater, fasten sod in place with wood pegs (two each piece) or other approved method. Sod damaged by storage or during installation shall be rejected. Following settling, topdress with screened, approved topsoil.
2. Water and fertilize at 5 lbs. per 1,000 sq. ft.
3. Sod shall not be placed during a drought, nor during periods when sod is not normally placed in the area, and shall not be placed on frozen ground. No dry or frozen sod is acceptable.
4. The contractor shall keep all sodded areas moist and growing until Final Acceptance. All areas shall be maintained in an acceptable condition until acceptance by Owner.

B. Rolling:

- 1. After placing sod, roll with a hand roller, weighing not more than 100 lbs. per foot of width, in two directions.
2. Eliminate all air pockets; finished surface should be free of excessive undulations.

3.05 MAINTENANCE AND MANAGEMENT

A. Includes protection, replanting, maintaining grades, repair of erosion damage. Also includes weekly mowing at 1 1/2" height until final acceptance.

B. Resodding:

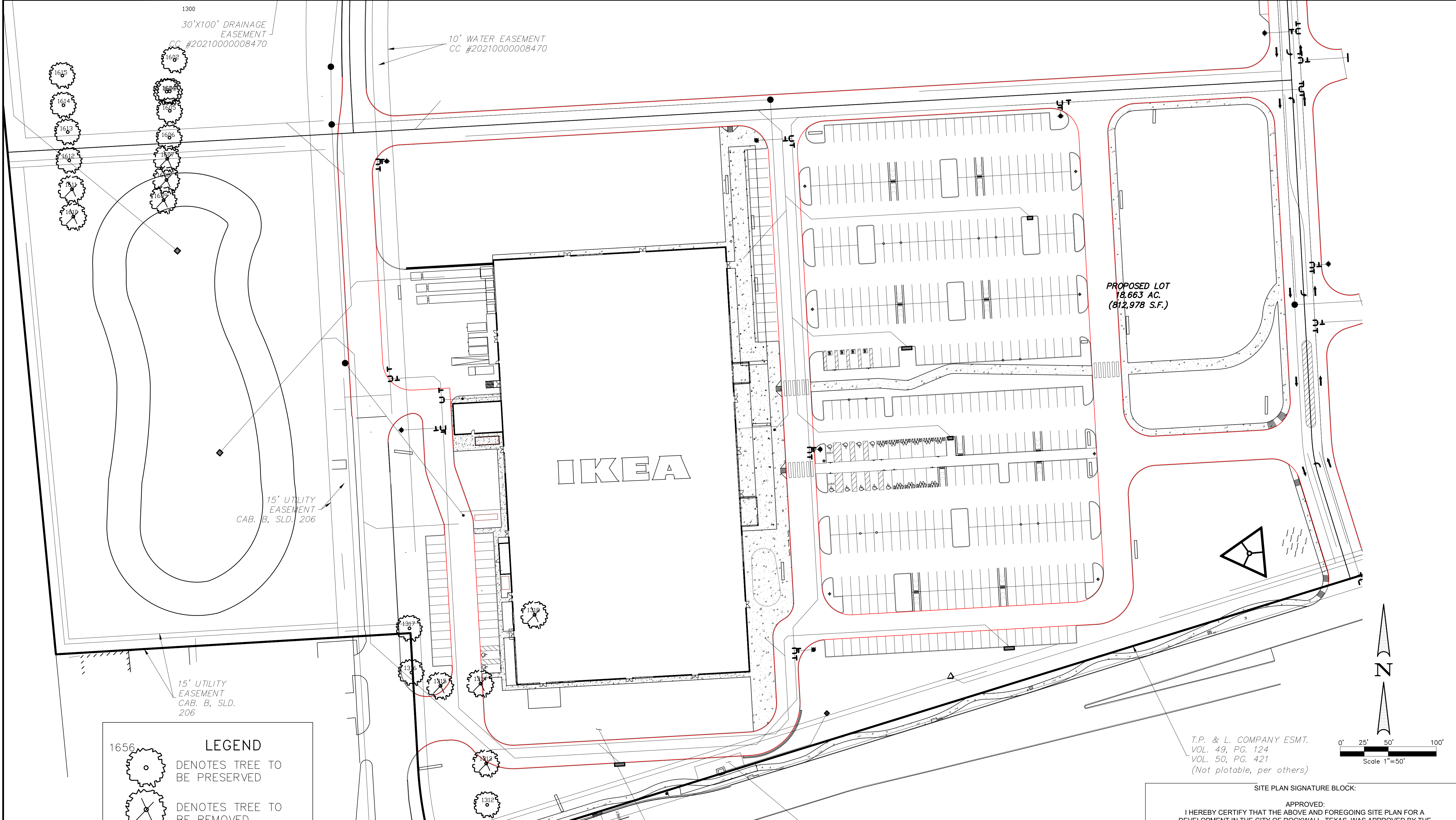
- 1. Resod damaged or unacceptable areas.
2. Ruts, ridges, and other surface irregularities shall be corrected.



THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPETT, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 1/30/15, WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING, PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

SITE PLAN SIGNATURE BLOCK: 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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE DAY OF... WITNESS OUR HANDS, THIS DAY OF... PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL E.M.ELLIOTT SURVEY, ABSTRACT NO. 77 & JOHN LOCKHART SURVEY, ABSTRACT NO. 134 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS CIVIL ENGINEER: WINKELMANN & ASSOCIATES, INC. 6750 HILL CREST PLAZA DRIVE, STE 215 DALLAS, TEXAS 75230 TEL: (972) 490-7090x203 CONTACT: WILL WINKELMANN IKEA 400 ALAN WOOD ROAD CONSHOHOCKEN, PA 19428 TEL: (610) 834-0180 CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

TURF SPECIFICATIONS NWC OF I-30 & STODGILL RD. ROCKWALL, TEXAS 75087 Winkelmann & Associates, Inc. CONSULTING CIVIL ENGINEERS ■ SURVEYORS 6750 HILL CREST PLAZA DRIVE, SUITE 215 DALLAS, TEXAS 75230 (972) 490-7090 (972) 490-7099 FAX (972) 490-7099 www.winkelmanna.com CONSULTING ENGINEERS & ARCHITECTS 100124



PROPOSED LOT
18.663 AC.
(812,978 S.F.)

IKEA

LEGEND

1656 DENOTES TREE TO BE PRESERVED

1657 DENOTES TREE TO BE REMOVED

LOCATION OF PROTECTIVE FENCE

TOTAL

TOTAL CALIPER INCHES	221"
TOTAL CALIPER INCHES PRESERVED	78" (35%)
TOTAL CALIPER INCHES REMOVED	143" (65%)

TOTAL TREES TO BE REMOVED: 143" CALIPER INCHES

TOTAL MITIGATION REQUIRED: 143"
137' 3" = 411"
26' 4" = 104"
411+104 = 515" PLANTED

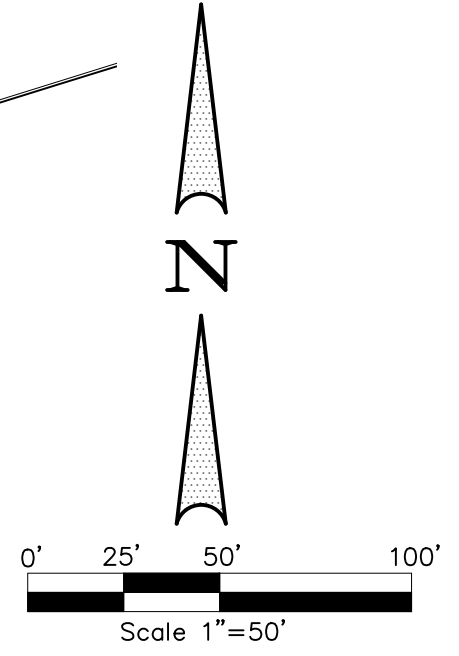
Tag #	Botanical/Common Name	DBH	Canopy	Condition	Status	Reason for Removal	Mitigation
1312	Oak/Quercus spp.	26	2123	Good	Preserve		
1313	Oak/Quercus spp.	23	1661	Good	Remove	Grading	23
1314	Oak/Quercus spp.	16	804	Good	Remove	Grading	16
1315	Oak/Quercus spp.	14	615	Good	Remove	Grading	14
1316	Oak/Quercus spp.	20	1256	Good	Preserve		
1317	Oak/Quercus spp.	20	1256	Good	Preserve		
1318	Oak/Quercus spp.	18	1017	Good	Remove	Building Pad	18
1607	Oak/Quercus spp.	16	804	Good	Remove	Grading	16
1608	Oak/Quercus spp.	11	380	Good	Remove	Grading	11
1609	Oak/Quercus spp.	12	452	Good	Remove	Grading	12
1610	Oak/Quercus spp.	14	615	Good	Remove	Grading	14
1611	Oak/Quercus spp.	19	1134	Good	Remove	Grading	19
1612	Oak/Quercus spp.	12	452	Good	Preserve		

DRAINAGE EASEMENT
PURPOSES
0016307

FAIN • CUPPETT
LANDSCAPE ARCHITECTS, LLC
8233 Mid Cities Blvd., Suite B
North Richland Hills, TX 76182-4761 817-479-0730
PARKS AND OPEN SPACE PLANNING • LANDSCAPE ARCHITECTURE • IRRIGATION DESIGN

THIS ELECTRONIC DRAWING FILE IS RELEASED UNDER THE AUTHORITY OF GREG CUPPETT, LANDSCAPE ARCHITECT REGISTRATION NUMBER 2672 ON 10/01/24 WHO MAINTAINS THE ORIGINAL FILE. THIS ELECTRONIC DRAWING FILE MAY BE USED AS A BACKGROUND DRAWING. PURSUANT TO RULE 3.103(F) OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS, THE USER OF THIS ELECTRONIC DRAWING FILE AGREES TO ASSUME ALL RESPONSIBILITY FOR ANY MODIFICATION TO OR USE OF THIS DRAWING FILE THAT IS INCONSISTENT WITH THE REQUIREMENTS OF THE RULES AND REGULATIONS OF THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS. NO PERSON MAY MAKE MODIFICATIONS TO THIS ELECTRONIC DRAWING FILE WITHOUT THE LANDSCAPE ARCHITECT'S EXPRESS WRITTEN PERMISSION.

T.P. & L. COMPANY ESMT.
VOL. 49, PG. 124
VOL. 50, PG. 421
(Not plotable, per others)



SITE PLAN SIGNATURE BLOCK:

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 AND ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING & ZONING

BEING 18.663 AC. OUT OF ROCKWALL COMMERCIAL
E.M. ELLIOTT SURVEY, ABSTRACT NO. 77 &
JOHN LOCKHART SURVEY, ABSTRACT NO. 134
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

CIVIL ENGINEER:
WINKELMANN & ASSOCIATES INC.
6750 HILL CREST PLAZA DRIVE, SITE 215
DALLAS, TEXAS 75230
TEL: (972) 490-7090x203
CONTACT: WILL WINKELMANN

IKEA
400 ALAN WOOD ROAD
CONSHOHOCKEN, PA 19428
TEL: (610) 834-0180
CONTACT: JEANNIE.DE.FAZIO@INGKA.IKEA.COM

TREESCAPE PLAN
NWC OF I-30 & STODGILL RD.
ROCKWALL, TEXAS 75087

T-1

Winkelman & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
6750 HILL CREST PLAZA DRIVE, SUITE 215
DALLAS, TEXAS 75230
TEL: (972) 490-7090 FAX: (972) 490-7099
WWW.WINKELMAN.COM

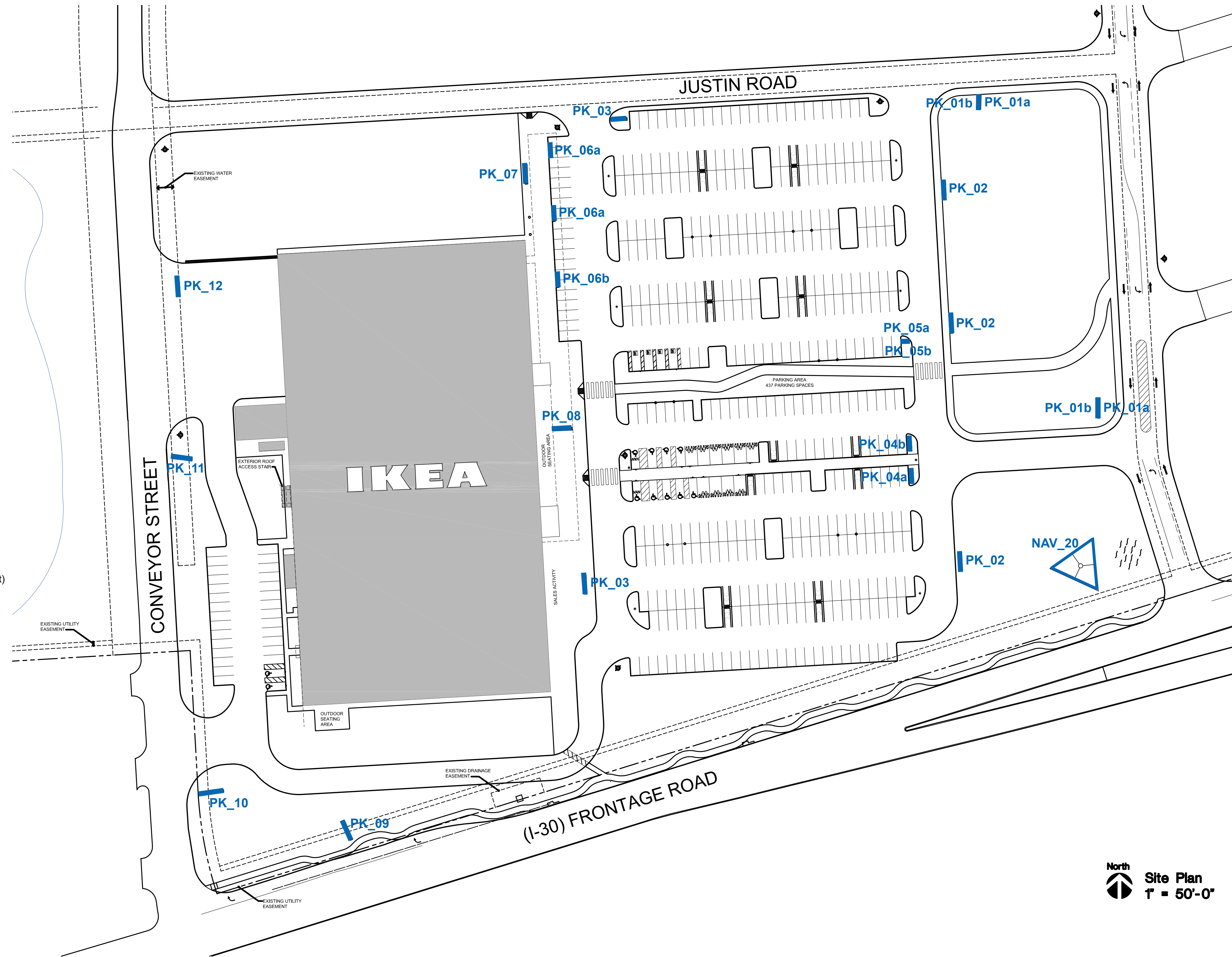
100124

No.	DATE	REVISION	APPROV.
1.			
2.			
3.			
4.			
5.			
6.			

Site Directional Signage Plan Overview

DIRECTIONAL SIGNS

- PK_01a Direction Sign - Welcome (Side 1)
- PK_01b Direction Sign - Thank you (Side 2)
- PK_02 Direction Sign - Exit (Left)
- PK_03 Direction Sign - Exit (Right)
- PK_04a Direction Sign - Family and Disabled
- PK_04b Direction Sign - EC
- PK_05a Direction Sign - EC (Double Sided)
- PK_05b Direction Sign - EC (Double Sided)
- PK_06a Canopy Sign - Loading Zone Sign
- PK_06b Canopy Sign - Click and collect sign
- PK_07 Canopy Sign - Entrance and Click and collect sign (Left)
- PK_08 Canopy Sign - Entrance and Click and collect sign (Up)
- PK_09 Direction Sign - Deliveries and co-worker entrance (Right)
- PK_10 Direction Sign - Deliveries and co-worker entrance (Multiple)
- PK_11 Deliveries Sign
- PK_12 Deliveries Instructions
- NAV_20 Navigation Tower Sign



North
Site Plan
 1" = 50'-0"

811 PROTECT YOURSELF
 ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
 FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN JOB NUMBER: 24003427B

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
 IKEA
 ROCKWALL HEIGHTS
 CITY OF ROCKWALL
 TEXAS

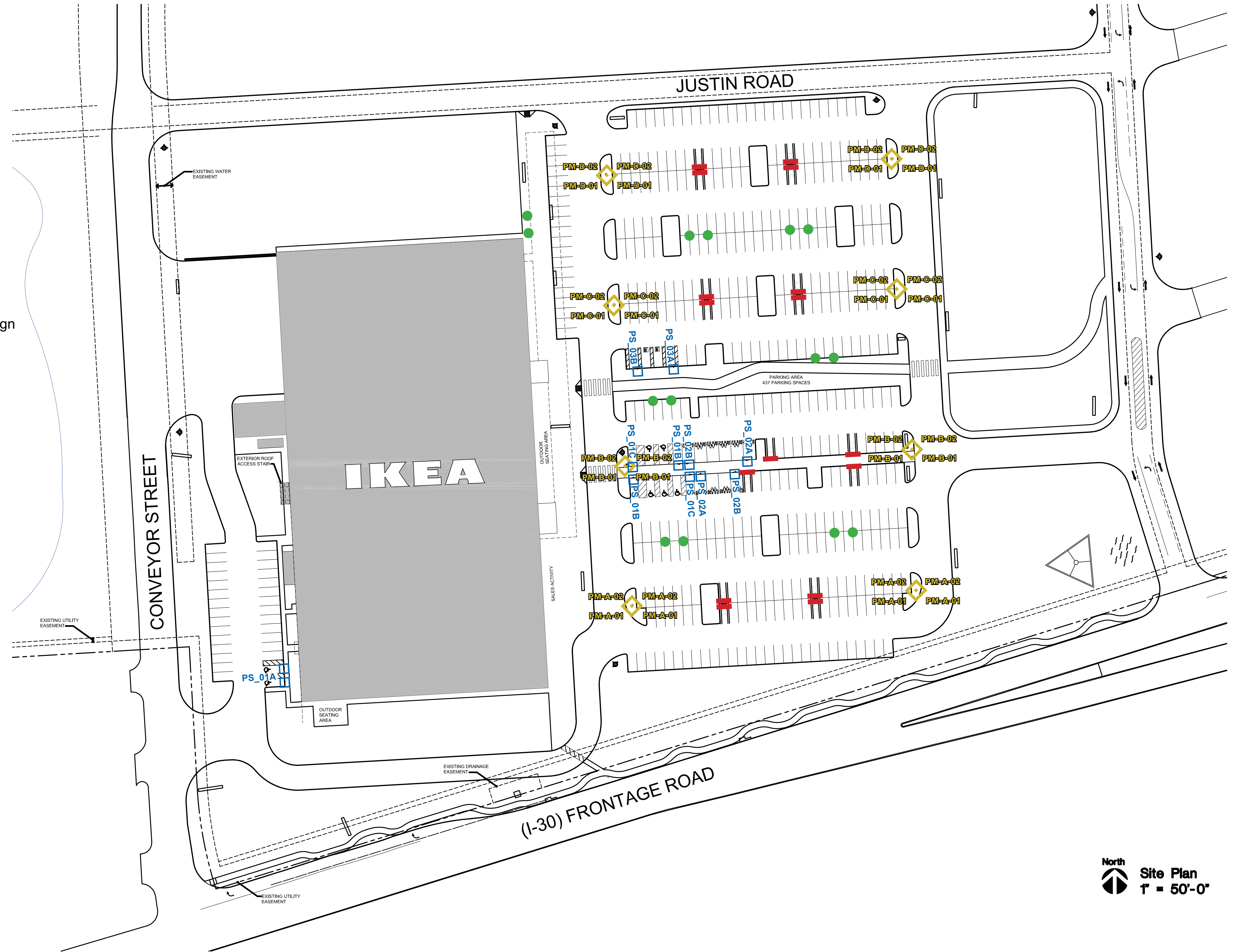
Colliers Engineering & Design
 LANSING (BA)
 7050 West Saginaw Hwy., Suite 200
 Lansing, MI 48917
 Phone: 517.272.9835
 COLLIER ENGINEERING & DESIGN, ARCHITECTURE, LANDSCAPE ARCHITECTURE, SURVEYING, P.C.

SHEET TITLE: ARCHITECTURAL SIGNAGE SITE PLAN

SHEET NUMBER: **AS-101**

Site Signage Plan Overview

- SP** - Special Parking Signs
- PS_01 Disabled Sign
- PS_02 Family Sign
- PS_03 Electric Car Charging Station Sign
- **PKD_00** - Branding Monument Sign
- **TR_01** - Trolley Sign
- ◇ **PM** - Parking Memorizer Sign
- PK_PM_A_01 - Row 1
- PK_PM_A_02 - Row 2
- PK_PM_B_01 - Row 1
- PK_PM_B_02 - Row 2
- PK_PM_C_01 - Row 1
- PK_PM_C_02 - Row 2
- PK_PM_D_01 - Row 1
- PK_PM_D_02 - Row 2



811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE:	JOB NUMBER:
AS SHOWN	24003427B

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

IKEA
ROCKWALL HEIGHTS
CITY OF ROCKWALL
TEXAS

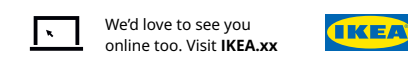
Colliers Engineering & Design
LANSING (BA)
7050 West Saginaw Hwy.
Suite 200
Lansing, MI 48917
Phone: 517.272.9835
COLLIERS ENGINEERING & DESIGN
ARCHITECTURE, LANDSCAPE ARCHITECTURE,
SURVEYING CT, P.C.

SHEET TITLE:
ARCHITECTURAL SIGNAGE SITE PLAN

SHEET NUMBER:
AS-102

Hej!
It's great
to see you

"Hej" is how we say hello in Swedish.



PK_01a Direction Sign - Welcome/ Thank you

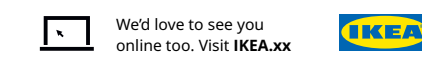
Size: 6'-6" x 8'-2" (2000 mm x 2500 mm)

Qty: x2 Double Sided [side 01]

Lighting: Required

Hej då!
See you
soon

"Hej då" is how we say bye in Swedish.



PK_01b Direction Sign - Welcome/ Thank you

Size: 6'-6" x 8'-2" (2000 mm x 2500 mm)

Qty: x2 Double Sided [side 02]

Lighting: Required



PK_02 Direction Sign - Exit Left

Size: 1'-11 5/8" x 1' (600 mm x 300 mm)

Qty: x3 Single Sided

Lighting: Required



PK_03 Direction Sign - Exit Right

Size: 1'-11 5/8" x 1' (600 mm x 300 mm)

Qty: x2 Single Sided

Lighting: Required

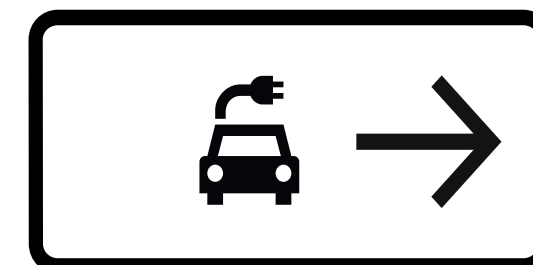


PK_04a Direction Sign - Disabled and Family Straight

Size: 4'-11 1/16" x 1' (600 mm x 300 mm)

Qty: x1 Single Sided

Lighting: Required

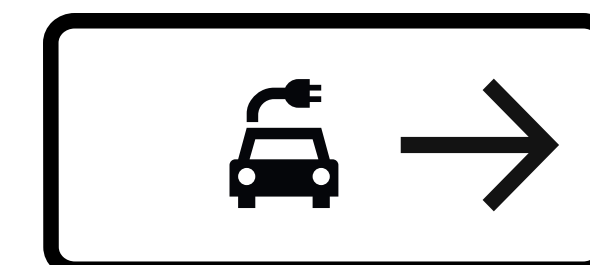


PK_04b Direction Sign - Electric Car Station Right

Size: 1'-11 5/8" x 1' (600 mm x 300 mm)

Qty: x1 Single Sided

Lighting: Required

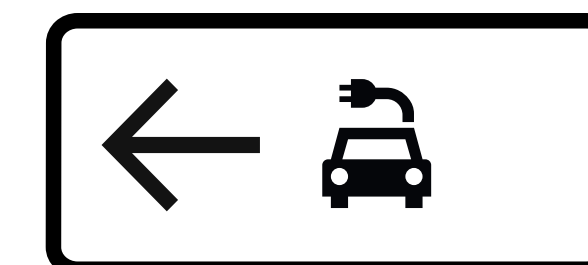


PK_05a Direction Sign - Exit

Size: 1'-11 5/8" x 1' (600 mm x 300 mm)

Qty: x1 Single Sided

Lighting: Required



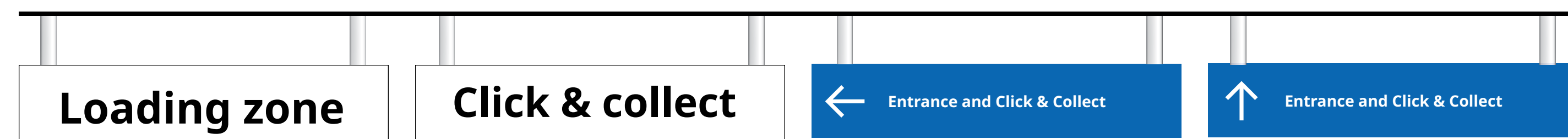
PK_05b Direction Sign - Exit

Size: 1'-11 5/8" x 1' (600 mm x 300 mm)

Qty: x1 Single Sided

Lighting: Required

Directional Signs



PK_06a Canopy Sign - Loading Zone Sign

Size: 4'-11 1/16" x 1' (1500 mm x 300 mm)

Qty: x1 Double Sided

Lighting: Required

Click & collect

PK_06b Canopy Sign - Click and Collect Sign

Size: 4'-11 1/16" x 1' (1500 mm x 300 mm)

Qty: x1 Single Sided

Lighting: Internal

Entrance and Click & Collect

PK_07 Canopy Sign - Entrance + Click and Collect Left

Size: 4'-11 1/16" x 1' (1500 mm x 300 mm)

Qty: x1 Single Sided

Lighting: Internal

Entrance and Click & Collect

PK_08 Canopy Sign - Entrance + Click and Collect Straight

Size: 4'-11 1/16" x 1' (1500 mm x 300 mm)

Qty: x1 Single Sided

Lighting: Internal

Co-worker entrance

Deliveries

PK_09 Directional Sign - Coworker and Deliveries Right

Size: 4'-11 1/16" x 1' (1500 mm x 300 mm)

Qty: x2 Single Sided

Lighting: Required

Deliveries

Co-worker entrance

PK_10 Directional Sign - Coworker and Deliveries Multiple

Size: 4'-11 1/16" x 1' (1500 mm x 300 mm)

Qty: x2 Single Sided

Lighting: Required

Deliveries

PK_11 Deliveries Sign

Size: 4'-11 1/16" x 1' (1500 mm x 300 mm)

Qty: x1 Double Sided

Lighting: Required



PK_12 Delivery Instructions

Size: 2'-7 1/2" x 3'-3 3/8" (800 mm x 1000 mm)

Qty: x1 Double Sided

Lighting: Not Required

Wall Mounted

Canopy Signs

Directional Signs



PS_01A Disabled Sign

Size: 1'-3 3/4" x 1'-3 3/4" (400mm x 400 mm)

Qty: x2 Single Sided

Lighting: Not Required



PS_01B Disabled Sign Right

Size: 1'-3 3/4" x 1'-3 3/4" (400mm x 400 mm)

Qty: x2 Single Sided

Lighting: Not Required



PS_01C Disabled Sign Left

Size: 1'-3 3/4" x 1'-3 3/4" (400mm x 400 mm)

Qty: Single Sided

Lighting: Not Required



PS_02A Family Sign Right

Size: 1'-3 3/4" x 1'-3 3/4" (400mm x 400 mm)

Qty: x2 Single Sided

Lighting: Not Required

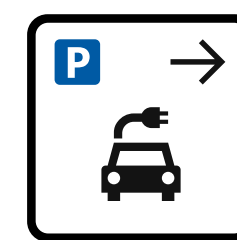


PS_02B Family Sign Left

Size: 1'-3 3/4" x 1'-3 3/4" (400mm x 400 mm)

Qty: x2 Single Sided

Lighting: Not Required

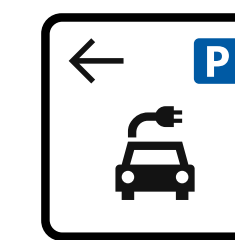


PS_03A Electric Car Charge Station (right)

Size: 1'-3 3/4" x 1'-3 3/4" (400mm x 400 mm)

Qty: x1 Single Sided

Lighting: Not Required



PS_03B Electric Car Charge Station (left)

Size: 1'-3 3/4" x 1'-3 3/4" (400mm x 400 mm)

Qty: x1 Single Sided

Lighting: Not Required

Special Parking Signs

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:
WWW.CALL811.COM

SCALE: AS SHOWN JOB NUMBER: 24003427B

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

IKEA
ROCKWALL HEIGHTS
CITY OF ROCKWALL
TEXAS

LANSING (BA)
7050 West Saginaw Hwy.
Suite 200
Lansing, MI 48917
Phone: 517.272.9835
COLLIERS ENGINEERING & DESIGN
ARCHITECTURE, LANDSCAPE ARCHITECTURE, SURVEYING, ETC.

SHEET TITLE:
ARCHITECTURAL SIGNAGE DETAILS

SHEET NUMBER:
AS-401

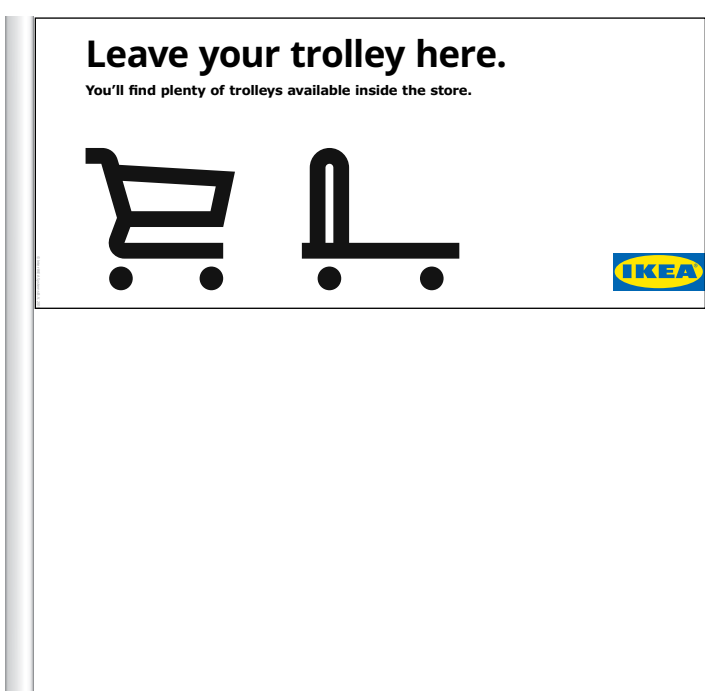


Join our **IKEA Family** club for free and enjoy rewards and instant benefits.

Join us for free online or in store.

PKD_00 Branding Monument Sign
 Size: 5'-3" x 7'-10 1/2" (1600 mm x 2400 mm)
 Qty: x 14
 Lighting: Required

Branding Monument Sign



TR_01_Trolley Signs
 Size: 6'-5" x 3'-1" (1960 mm x 960 mm)
 Qty: x16

Trolley Signs



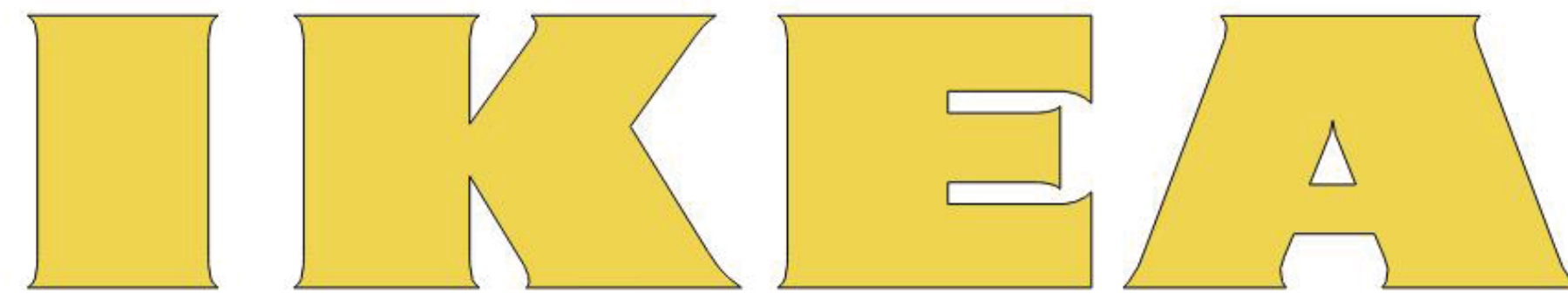
- Article information**
- Flagpole made of aluminium with integrated halyard system.
 - Rotating pole top with pulley.
 - Lockable access door securing the halyard.
 - Set of flag retainer rings (6 pcs.) and flag hooks (6 pcs.).
 - Flag counterweights.
 - Reinforcement tube of pole welded-on to foot flange, fitted with hinge for tilting device.
- Materials**
- Pole made of cylindrical tube of EN AW 6082T6 alloy, silver anodized (6061).
 - Pole top made of cast aluminium, powder coated RAL 9006.
 - Reinforcement tube, foot flange and ground set unit made of grade S355 steel, hot galvanized.



Access door to hoisting system with lock. Flag retainer ring, with flag hook. Flag counterweight.

IKEA Flag and Flagpole
 Flag Size: 6'-6 3/4" x 18'-1/2" (2 m x 5.5 m)
 Flag Pole Height: 39'-4" (12m)
 Qty: x 12
 Lighting: Required

Flag and Flagpole



IKEA Building Sign (Wordmark)
 Size: 9'-10 1/8" x 56'-1" (3 m x 17.1 m)
 Qty: x 3
 Lighting: Required



Building Sign Banner
 Size: 45'-0" x 15'-0" (13.7 m x 4.5 m)
 Qty: x 1

Building Signs



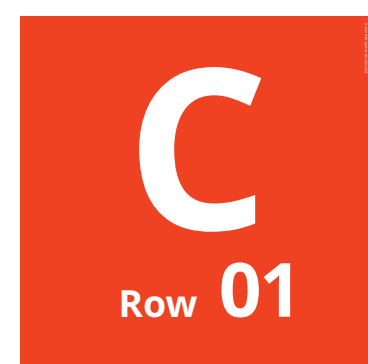
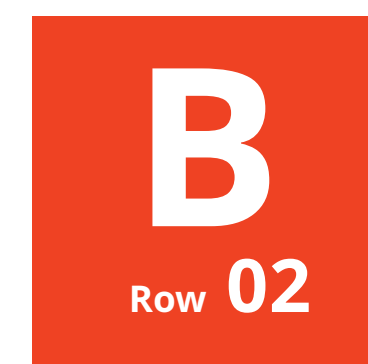
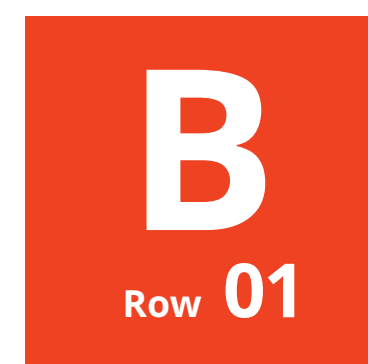
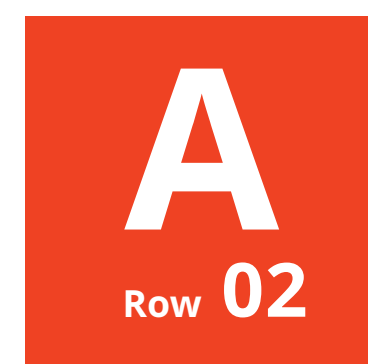
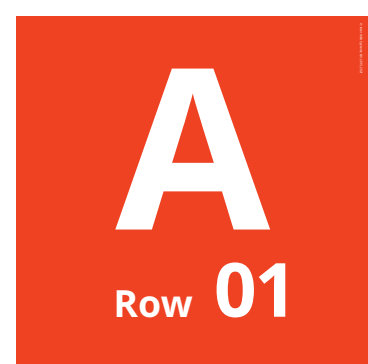
IKEA Home Furnishings Building Sign (Wordmark)
 Size: 4'-11" x 55'-4 5/8" (1 688 m x 1.5 m)
 Qty: x 1
 Lighting: Required

Entrance

Exit

Building Entrance Sign
 Size: 2'-8 1/8" x 14'-10" (4.52 m x 820 mm)
 Qty: x 1
 Lighting: Required

Building Exit Sign
 Size: 2'-1 5/8" x 4'-8 7/8" (1.44 m x 650 mm)
 Qty: x 1
 Lighting: Required



PK_PM_A_01
 Size: 1'-7 11/16" x 1'-7 11/16" (500 mm x 500 mm)
 Qty: x4

PK_PM_A_02
 Size: 1'-7 11/16" x 1'-7 11/16" (500 mm x 500 mm)
 Qty: x4

PK_PM_B_01
 Size: 1'-7 11/16" x 1'-7 11/16" (500 mm x 500 mm)
 Qty: x4

PK_PM_B_02
 Size: 1'-7 11/16" x 1'-7 11/16" (500 mm x 500 mm)
 Qty: x4

PK_PM_C_01
 Size: 1'-7 11/16" x 1'-7 11/16" (500 mm x 500 mm)
 Qty: x4

PK_PM_C_02
 Size: 1'-7 11/16" x 1'-7 11/16" (500 mm x 500 mm)
 Qty: x4

PK_PM_D_01
 Size: 1'-7 11/16" x 1'-7 11/16" (500 mm x 500 mm)
 Qty: x4

PK_PM_D_02
 Size: 1'-7 11/16" x 1'-7 11/16" (500 mm x 500 mm)
 Qty: x4

Parking Memorizer Signs

Colliers Engineering & Design

www.colliersengineering.com

Copyright © 2024, Colliers Engineering & Design. All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is certified. This drawing may not be copied, reused, disclosed, distributed or relied upon for any other purpose without the express written consent of Colliers Engineering & Design.

Formerly Known as **B BERGMANN**

811 PROTECT YOURSELF
 ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
 FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN JOB NUMBER: 24003427B

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
 IKEA
 ROCKWALL HEIGHTS
 CITY OF ROCKWALL
 TEXAS

Colliers Engineering & Design
 LANSING (BA)
 7050 West Saginaw Hwy.
 Suite 200
 Lansing, MI 48917
 Phone: 517.272.9835
 COLLIERS ENGINEERING & DESIGN
 ARCHITECTURE, LANDSCAPE ARCHITECTURE, SURVEYING, E.T.C.

SHEET TITLE: ARCHITECTURAL SIGNAGE DETAILS

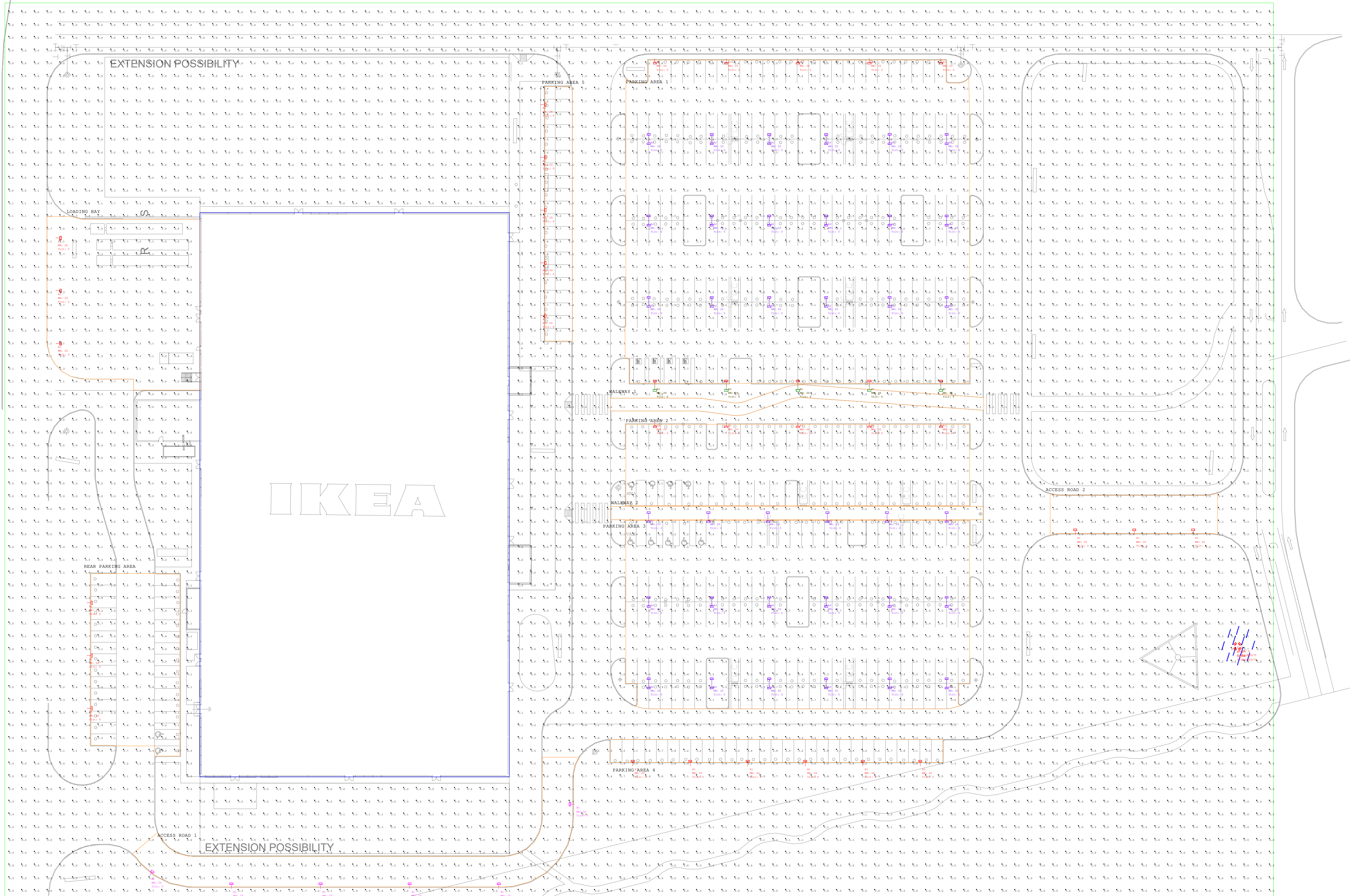
SHEET NUMBER: AS-402

- GENERAL NOTES:
1. NOT FOR CONSTRUCTION PURPOSES.
 2. ALL CALCULATIONS CONTAIN AN ERROR FACTOR OF +/- 10%.
 3. CALCULATION POINT SPACING IS 10' x 10'
 4. ALL CALCULATIONS ARE IN FOOTCANDLE MEASUREMENTS
 5. UNLESS OTHERWISE NOTED - ALL REFLECTANCE VALUES ARE CALCULATED USING THE DEFAULT VALUES OF: SURFACE = .2, WALLS = .5, CEILING = .8



Bell & McCoy
Lighting and Controls
4630 Nall Road
Farmers Branch, TX 75244

IKEA ROCKWALL



Revisions:
X XX/XX/XXXX

Drawn By:
J. FENTON
Date:
9/11/2024
Scale:
N.T.S
Sheet Title:
Site Photometrics
Sheet No.

- GENERAL NOTES:
 1. NOT FOR CONSTRUCTION PURPOSES.
 2. ALL CALCULATIONS CONTAIN AN ERROR FACTOR OF +/- 10%.
 3. CALCULATION POINT SPACING IS 10' x 10'
 4. ALL CALCULATIONS ARE IN FOOTCANDLE MEASUREMENTS
 5. UNLESS OTHERWISE NOTED - ALL REFLECTANCE VALUES ARE CALCULATED USING THE DEFAULT VALUES OF: SURFACE = .2, WALLS = .5, CEILING = .8



Bell & McCoy
 Lighting and Controls
 4630 Nall Road
 Farmers Branch, TX 75244

Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
	35	A1	Single	VP-1-160L-50-3K7-4F		0.900	6757	52	1820	20
	36	A2	Back-Back	VP-1-160L-35-3K7-4F		0.900	4709	35	2520	20
	6	B1	Single	VP-1-160L-50-3K7-3		0.900	6814	52	312	20
	5	C1	Single	VP-1-160L-75-3K7-2		0.900	9584	72	360	20
	4	D	Single	PFMXW43LED		0.900	5191	40.34	161.36	8

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE Planar	Illuminance	Fc	0.99	6.5	0.0	N.A.	N.A.
ACCESS ROAD 1	Illuminance	Fc	1.85	2.9	0.8	2.31	3.63
ACCESS ROAD 2	Illuminance	Fc	2.20	3.0	1.2	1.83	2.50
LOADING BAY	Illuminance	Fc	0.97	3.3	0.0	N.A.	N.A.
PARKING AREA 1	Illuminance	Fc	2.78	4.9	1.6	1.74	3.06
PARKING AREA 2	Illuminance	Fc	2.44	3.6	1.5	1.63	2.40
PARKING AREA 3	Illuminance	Fc	2.63	3.7	1.5	1.75	2.47
PARKING AREA 4	Illuminance	Fc	2.78	3.4	1.6	1.74	2.13
PARKING AREA 5	Illuminance	Fc	2.56	3.3	1.6	1.60	2.06
REAR PARKING AREA	Illuminance	Fc	1.36	3.4	0.1	13.60	34.00
WALKWAY 1	Illuminance	Fc	5.14	6.5	3.1	1.66	2.10
WALKWAY 2	Illuminance	Fc	2.35	3.1	1.1	2.14	2.82

IKEA ROCKWALL

Revisions:
 X XX/XX/XXXX

Drawn By:
 J. FENTON
 Date:
 9/11/2024
 Scale:
 N.T.S.
 Sheet Title:
 Site Photometrics
 Sheet No.



Flood Lights

Optic | Extra-Wide | Extreme

PROJECT INFORMATION	
JOB NAME	
FIXTURE TYPE	Flood Light
CATALOG NUMBER	
APPROVED BY	



Specifications

Construction:
Designed for commercial and industrial applications, providing cooler operating temperatures, brighter light and longer LED life. Apertures for field or factory installed photocontrol. Heavy duty knuckle with 90° adjustment standard. Heavy duty trunnion mount also available.

Optics:
Atlas optic flood lights utilize individual lenses for maximum light intensity. These lenses are made of optical grade acrylic. This guarantees more footcandles, less glare and less wasted light.

Extra Wide Distribution Pattern:
Designed to provide maximum light spread for short set backs when lighting signs and washing walls.

Reduced Glare:
Positioning of the LED modules within the housing result in light directed to desired locations and reduces offensive light.

Thermal Management:
Atlas Flood Lights are designed as a complete system to optimize LED life and light output. The Patent Pending thermal stacking heat removal technology extracts heat from within the housing moving it away from LEDs and components. The lower temperatures result in long LED life (200,000+ hrs¹) and component life and also allows for higher light output.

Listings:
Luminaire is certified to UL/cUL Standards for Wet Locations DesignLights Consortium qualified luminaire, eligible for rebates from DLC member utilities. ²See chart on other last page for qualifying products.

AC Input: 120/208/240/277V

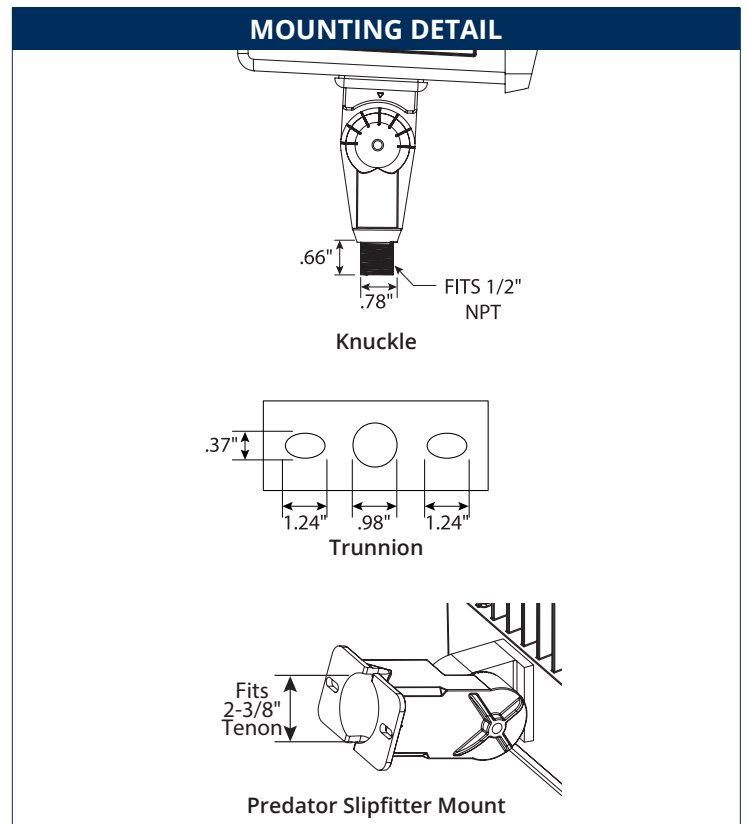
Driver:
Constant current, Class 2, 120-277 VAC, 50-60 Hz
High Efficiency – min. 84%
Off-State Power: 0 Watts
0-10 V Dimming

LEDs:
3000K | 4000K | 4500K | 5000K CCT

Testing:
Atlas LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 & LM-80.

Warranty: Five-year limited warranty

Photo Control: For factory installed 120V button photo control add suffix PC to part number.



Rebates and Incentives are available in many areas. Contact an Atlas Representative for more information.

¹LED Life Span Based Upon LM-70 Test Results



Flood Lights

Optic | Extra-Wide | Extreme

ORDERING INFORMATION

PFS			22LED						
PRODUCT SERIES	DISTRIBUTION	SELECTABLE	OUTPUT	COLOR TEMP.	CONTROLS	VOLTAGE	FIXTURE COLOR	MOUNTING	OPTIONS
PFS - Small	Blank - Wide (with Optics)	blank = Fixed	22LED = 22 System Watts ¹ 27LED = 27 System Watts ²	Blank = 4500K 3K = 3000K 4K = 4000K 5K = 5000K	Blank = Dimming (0-10V) PC = 120V Photocontrol PM = 120-277V Photocontrol	Blank = 120-277 4 = 347-480V* <i>*Not available on PFS</i>	Blank = Bronze WT = White* BK = Black* <i>*optional with adder</i>	Blank = Knuckle ⁵ T = Trunnion ⁵ <i>⁵PFS, PFM only</i>	SP = Surge Protection* <i>*Not available on PFS</i>
PFM - Medium	XW - Extra Wide		43LED = 43 System Watts 64LED = 64 System Watts ¹						
PFL2G - Large (2nd Generation)	H = Extreme High Wattage (with Optics)	blank = Fixed	20L = 20,000 Lumens 25L = 25,000 Lumens	3K = 3000K 4K = 4000K 45K = 4500K 5K = 5000K	PH = 480V Button Photocontrol*			Blank = Trunnion ⁶ S = Predator Mount - Slipfitter/Trunnion ⁶ <i>⁶PFL2G, PFXL2G only</i>	
PFXL2G - Extra Large (2nd Generation)	XW - Extra Wide	blank = Fixed S = Selectable ³	26-50L = 26,000 - 50,000 Lumens Selectable 33L = 33,000 Lumens 40L = 40,000 Lumens 50L = 50,000 Lumens	blank = Selectable ⁴ 4000K, 4500K, 5000K	PR = Photo Receptacle* <i>*Not available on PFS, PFM</i>				

¹Wide/H only | ²Extra-wide only | ³PFXL2GH is Lumen Selectable only | ⁴PFXL2GXW only

PERFORMANCE DATA

FULLY SELECTABLE

UNIT	CRI	4000K CCT		4500K CCT		5000K CCT		WATTAGE	REPLACES UP TO
		DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)		
Extra Wide									
PFXL2GXWS26-50L	70	28,506	160	29,756	167	27,941	157	178	1000W MH
		42,003	151	43,845	158	41,170	148	278	
		52,133	143	54,419	156	51,099	140	365	

LUMEN SELECTABLE

UNIT	CRI	3000K CCT		4000K CCT		4500K CCT		5000K CCT		WATTAGE	REPLACES UP TO
		DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)		
Optic											
PFXL2GHS26-50L	70	24,332	144	25,582	152	25,437	151	25,353	150	169	1000W MH
		36,518	141	38,394	148	38,176	148	38,051	147	259	
		47,818	133	50,275	139	49,989	138	49,825	138	361	

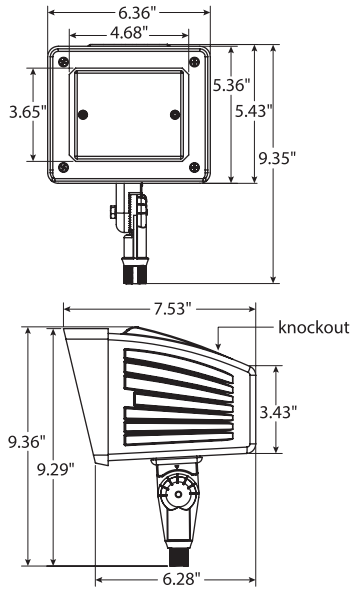
FIXED

UNIT	CRI	3000K CCT		4000K CCT		4500K CCT		5000K CCT		WATTAGE	REPLACES UP TO
		DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)		
Optic											
PFS22	70	1,978	93	1,978	93	1,978	93	2,194	103	21	100W MH
PFM43	70	4,010	97	4,010	97	4,010	97	4,343	105	41	175W MH
PFL2GH20L	70	20,200	142	21,338	150	21,338	150	21,534	152	142	400W MH
PFL2GH25L	70	24,840	138	26,240	147	26,240	147	26,480	148	181	1000W MH
PFXL2GH33L	70	31,190	143	32,849	150	32,849	150	33,408	153	219	1000W MH
PFXL2GH40L	70	37,020	139	38,989	147	38,989	147	39,653	149	266	1000W MH
PFXL2GH50L	70	47,390	132	49,910	141	49,910	141	50,760	142	359	1000W MH
Extra Wide											
PFSXW27	80	3,132	114	3,132	114	3,132	114	3,261	118	28	100W MH
PFMXW43	80	5,025	116	5,025	116	5,025	116	5,229	121	43	175W MH
PFMXW64	80	6,983	114	6,983	114	6,983	114	7,237	118	64	250W MH
PFL2GXW20L	70	20,540	144	20,540	144	20,540	144	21,750	153	142	400W MH
PFL2GXW25L	70	25,040	139	25,040	139	25,040	139	25,040	139	180	1000W MH
PFXL2GXW33L	70	33,210	151	33,210	151	33,210	151	33,210	151	220	1000W MH
PFXL2GXW40L	70	39,430	148	39,430	148	39,430	148	39,430	148	267	1000W MH
PFXL2GXW50L	70	50,130	141	50,130	141	50,130	141	50,130	141	357	1000W MH

DIMENSIONS

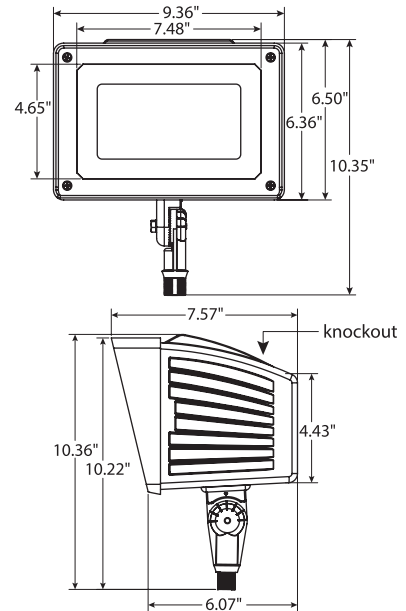
PFS

Weight: 7 lbs.
EPA: 0.33



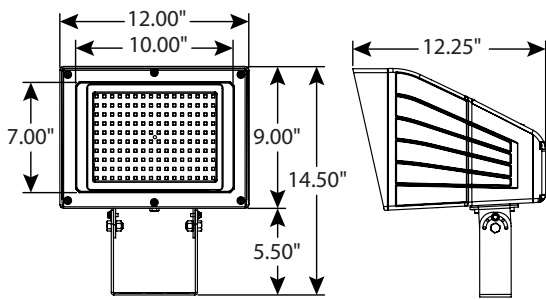
PFM

Weight: 10 lbs.
EPA: 0.47

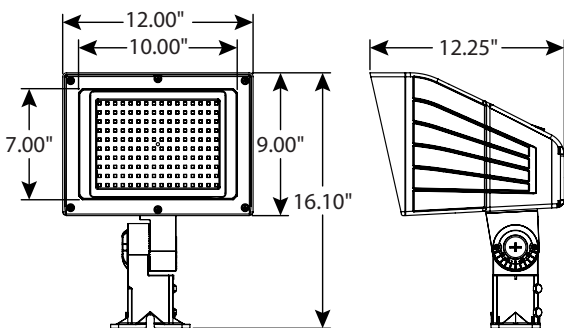


PFL2G

Weight: 26 lbs.
EPA: 1.00



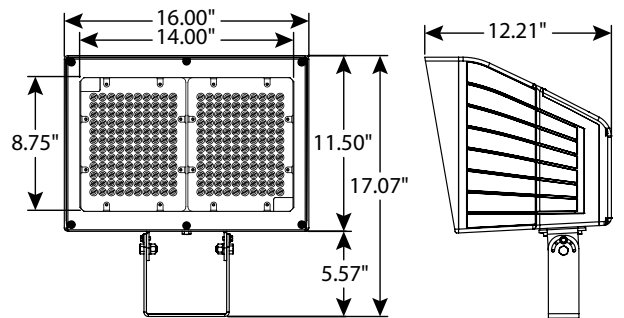
Weight: 27 lbs.



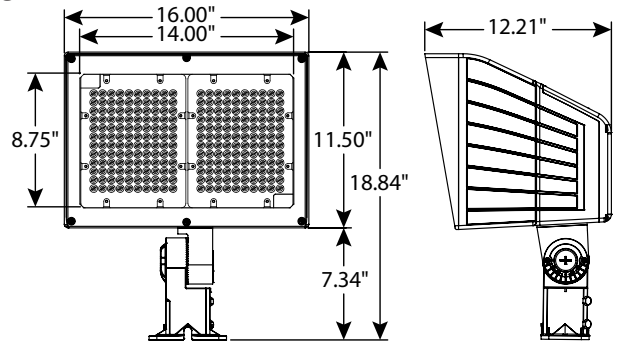
Predator Slipfitter Mount

PFXL2G

Weight: 44 lbs.
EPA: 1.29



Weight: 46 lbs.



Predator Slipfitter Mount



Flood Lights
Optic | Extra-Wide | Extreme

DLC PRODUCT INFORMATION

FIXED

UNIT	3000K CCT		4000K CCT		4500K CCT		5000K CCT	
	DLC PRODUCT ID	CLASSIFICATION	DLC PRODUCT ID	CLASSIFICATION	DLC PRODUCT ID	CLASSIFICATION	DLC PRODUCT ID	CLASSIFICATION
Optic								
PFS22	n/a	n/a	PU6VKAK3	Standard	P0000053U	Standard	P550R0NT	Standard
PFM43	n/a	n/a	PU8IIKR4	Standard	P0000053V	Standard	PBE0VYUZ	Standard
PFL2GH20L	P9DPY9A8	Premium	PXYAN2V	Premium	PXVX6GOY	Premium	PPMF1TG3	Premium
PFL2GH25L	PAOZ3UX6	Standard	P9D3MG0T	Standard	P7DB3PMC	Standard	P45HS3BQ	Standard
PFXL2GH33L	P21MYCMQ	Standard	PPHKNRV6	Standard	PHA1Z49A	Standard	P53FHFVBV	Standard
PFXL2GH40L	P5FNN10Y	Standard	PL90OHII	Standard	PZ73ACRC	Standard	PEEKL7ES	Standard
PFXL2GH50L	PI5RM3HT	Standard	PTK83KDD	Standard	PJA8IFTB	Standard	PK9GAGSY	Standard
Extra Wide								
PFSXW27	PAYQD7J8	Standard	P94MDVWZ	Standard	P87AHLDJ	Standard	PT6Z0U5F	Premium
PFMXW43	P825UL5Y	Standard	PPGDYG1Y	Standard	P22PSA1E	Standard	PR4TUEWL	Premium
PFL2GXW20L	PJDFFSCH	Premium	PQ27J8OP	Premium	P8Y4OK29	Premium	PM79G31X	Premium
PFL2GXW25L	PWQYIBGY	Standard	P8L3DDB0	Standard	PKRX0DR9	Standard	PMARR9HA	Standard
PFXL2GXW33L	PUZUQSMG	Standard	PNOFAYZX	Standard	P72CGKXB	Standard	PYE73KJF	Standard
PFXL2GXW40L	PDRO14D5	Standard	PTQDRWWT	Standard	P0OBNMM	Standard	PPYNOR9N	Standard
PFXL2GXW50L	PWQYIBGY	Standard	P8L3DDB0	Standard	PKRX0DR9	Standard	PMARR9HA	Standard

LUMEN SELECTABLE

UNIT	3000K CCT		4000K CCT		4500K CCT		5000K CCT	
	DLC PRODUCT ID	CLASSIFICATION	DLC PRODUCT ID	CLASSIFICATION	DLC PRODUCT ID	CLASSIFICATION	DLC PRODUCT ID	CLASSIFICATION
Optic								
PFXL2GXW50L	<i>coming soon</i>		<i>coming soon</i>		<i>coming soon</i>		<i>coming soon</i>	

FULLY SELECTABLE

UNIT	DLC Product ID	Classification
Extra Wide		
PFXL2GXWS26-50L	S-N289T1	Premium

VIPER Area/Site

VIPER LUMINAIRE

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as auto dealership, retail, commercial, and campus parking lots
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction
- Rated for high vibration applications including bridges and overpasses. All sizes are rated for 1.5G
- Control options including photo control, occupancy sensing, NX Lighting Controls™, LightGRID+ and 7-Pin with networked controls
- New customizable lumen output feature allows for the wattage and lumen output to be customized in the factory to meet whatever specification requirements may entail
- Field interchangeable mounting provides additional flexibility after the fixture has shipped



CONTROL TECHNOLOGY



SERVICE PROGRAMS



SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

OPTICS

- Micro Strike Optics (160, 320, 480, or 720 LED counts) maximize uniformity in applications and come standard with mid-power LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (36, 72, 108, or 162 LED counts) provide best in class distributions and maximum pole spacing in new applications with high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Both optics maximize target zone illumination with minimal losses at the house-side, reducing light trespass issues. Additional backlight control shields and house side shields can be added for further reduction of illumination behind the pole
- One-piece silicone gasket ensures a weatherproof seal
- Zero up-light at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Mounting patterns for each arm can be found on page 11
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option (ASQU) or accessory for square and round poles
- All mounting hardware included
- Knuckle arm fitter option available for 2-3/8" OD tenon
- For products with EPA less than 1 mounted to a pole greater than 20ft, a vibration damper is recommended

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options cannot be combined

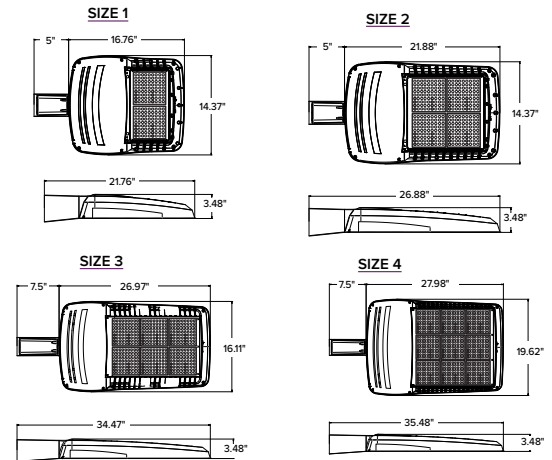
CONTROLS

- Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming control
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)

CONTROLS (CONTINUED)

- 0-10V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- NX Lighting Controls™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

MICRO STRIKE | STRIKE OPTICS



	EPA				Config
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to <http://www.designlights.org> for the most up-to-date list.
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Fixture is IP65 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to <https://www.currentlighting.com/resources/america-solutions>).

WARRANTY

- 5 year warranty

VIPER Area/Site

VIPER LUMINAIRE

MICROSTRIKE OPTICS – ORDERING GUIDE

Gray Shading = Service Program Limit of 15 luminaires

Example: VP-2-320L-145-3K7-2-R-UNV-A3-BLT

CATALOG # _____

VP Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper	Micro Strike	1 Size 1	160L-35 ⁶ 5500 lumens 160L-50 ⁶ 7500 lumens 160L-75 10000 lumens 160L-100 12500 lumens 160L-115 15000 lumens 160L-135 18000 lumens 160L-160 21000 lumens	AP AP-Amber Phosphor Converted 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 4K9 4000K, 90 CRI 5K7 5000K, 70 CRI 5K8 5000K, 80 CRI	2 Type 2 3 Type 3 4F Type 4 Forward 4W Type 4 Wide 5QW Type 5 Square Wide	BLANK No Rotation L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		2 Size 2	320L-145 21000 lumens 320L-170 24000 lumens 320L-185 27000 lumens 320L-210 30000 lumens 320L-235 33000 lumens 320L-255 36000 lumens 320L-315 ⁶ 40000 lumens				
		3 Size 3	480L-285 40000 lumens 480L-320 44000 lumens 480L-340 48000 lumens 480L-390 52000 lumens 480L-425 55000 lumens 480L-470 60000 lumens				
		4 Size 4	720L-435 60000 lumens 720L-475 65000 lumens 720L-515 70000 lumens 720L-565 ⁶ 75000 lumens 720L-600 ⁶ 80000 lumens CLO Custom Lumen Output ¹				

Mounting	
A	Arm mount for square pole/flat surface (B3 Drill Pattern) (Does not include round pole adapter)
A_	Arm mount for round pole ²
ASQU	Universal arm mount for square pole. Can be used with B3 or S2 Drill Pattern
A_U	Universal arm mount for round pole ²
AAU	Adjustable arm for pole mounting (universal drill pattern)
AA_U	Adjustable arm mount for round pole ²
ADU	Decorative upswept Arm (universal drill pattern)
AD_U	Decorative upswept arm mount for round pole ²
MAF	Mast arm fitter for 2-3/8" OD horizontal arm
K	Knuckle
T	Trunnion
WB	Wall Bracket, horizontal tenon with MAF
WM	Wall mount bracket with decorative upswept arm
WA	Wall mount bracket with adjustable arm

Color	
BLT	Black Matte Textured
BLS	Black Gloss Smooth
DBT	Dark Bronze Matte Textured
DBS	Dark Bronze Gloss Smooth
GTT	Graphite Matte Textured
LGS	Light Grey Gloss Smooth
LGT	Light Grey Gloss Textured
PSS	Platinum Silver Smooth
WHT	White Matte Textured
WHS	White Gloss Smooth
VGT	Verde Green Textured
Color Option	
CC	Custom Color

Options	
F	Fusing
2PF	Dual Power Feed
2DR	Dual Driver
TE	Toolless Entry
BC	Backlight Control ⁸
TB	Terminal Block

Network Control Options	
NXWS16F	NX Networked Wireless Enabled Integral NXSP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4}
NXWS40F	NX Networked Wireless Enabled Integral NXSP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4}
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{3,4}
WIR	LightGRID+ In-Fixture Module ^{3,4}
WIRSC	LightGRID+ Module and Occupancy Sensor ^{3,4}
Stand Alone Sensors	
BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
7PR	7-Pin Receptacle ⁴
7PR-SC	7-Pin Receptacle with shorting cap ⁴
3PR	3-Pin twist lock ⁴
3PR-SC	3-Pin receptacle with shorting cap ⁴
3PR-TL	3-Pin PCR with photocontrol ⁴
Programmed Controls	
SCP_ F	Sensor Control Programmable, 8F or 40F ⁹
ADD	AutoDim Timer Based Dimming ⁴
ADT	AutoDim Time of Day Dimming ⁴
Photocontrols	
PC	Button Photocontrol ^{4,7}

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information
 2 – Replace “_” with “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole
 3 – Networked Controls cannot be combined with other control options
 4 – Not available with 2PF option
 5 – Not available with Dual Driver option

6 – Some voltage restrictions may apply when combined with controls
 7 – Not available with 480V
 8 – BC not available on 4F and type 5 distributions
 9 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.

VIPER Area/Site

VIPER LUMINAIRE

STRIKE OPTIC – ORDERING GUIDE

Example: VP-ST-1-36L-39-3K7-2-UNV-A-BLT

CATALOG # _____

VP Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper	ST Strike	1 Size 1	36L-39 ⁸ 5500 lumens 36L-55 ⁸ 7500 lumens 36L-85 10000 lumens 36L-105 12500 lumens 36L-120 14000 lumens	AM monochromatic amber, 595nm 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 3K9 3000K, 90 CRI 35K8 3500K, 80 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 4K9 4000K, 90 CRI 5K7 5000K, 70 CRI 5K8 5000K, 80 CRI	FR Auto Front Row 2 Type 2 3 Type 3 4F Type 4 Forward 4W Type 4 Wide 5QN Type 5 Square Narrow 5QW Type 5 Square Wide 5QM Type 5 Square Medium 5W Type 5 Wide (Round) 5RW Type 5 Rectangular C Corner Optic TC Tennis Court Optic	BLANK No Rotation L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		2 Size 2	72L-115 15000 lumens 72L-145 18000 lumens 72L-180 21000 lumens 72L-210 24000 lumens 72L-240 27000 lumens				
		3 Size 3	108L-215 ⁸ 27000 lumens 108L-250 30000 lumens 108L-280 33000 lumens 108L-325 36000 lumens 108L-365 40000 lumens				
		4 Size 4	162L-320 40000 lumens 162L-365 ¹⁰ 44000 lumens 162L-405 48000 lumens 162L-445 52000 lumens 162L-485 55000 lumens 162L-545 ⁸ 60000 lumens CLO Custom Lumen Output ¹				

Mounting	
A	Arm mount for square pole/flat surface
A_	Arm mount for round pole ³
ASQU	Universal arm mount for square pole
A_U	Universal arm mount for round pole ³
AAU	Adjustable arm for pole mounting (universal drill pattern)
AA_U	Adjustable arm mount for round pole ³
ADU	Decorative upswept Arm (universal drill pattern)
AD_U	Decorative upswept arm mount for round pole ³
MAF	Mast arm fitter for 2-3/8" OD horizontal arm
K	Knuckle
T	Trunnion
WB	Wall Bracket, horizontal tenon with MAF
WM	Wall mount bracket with decorative upswept arm
WA	Wall mount bracket with adjustable arm

Color	
BLT	Black Matte Textured
BLS	Black Gloss Smooth
DBT	Dark Bronze Matte Textured
DBS	Dark Bronze Gloss Smooth
GTT	Graphite Matte Textured
LGS	Light Grey Gloss Smooth
LGT	Light Grey Gloss Textured
PSS	Platinum Silver Smooth
WHT	White Matte Textured
WHS	White Gloss Smooth
VGT	Verde Green Textured
Color Option	
CC	Custom Color

Options	
F	Fusing
E	Battery Backup ^{1,2,7,8,9}
2PF	Dual Power Feed
2DR	Dual Driver
TE	Toolless Entry
BC	Backlight Control
TB	Terminal Block

Network Control Options	
NXWS16F	NX Networked Wireless Enabled Integral NXSM2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,4,5}
NXWS40F	NX Networked Wireless Enabled Integral NXSM2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,4,5}
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{4,5}
WIR	LightGRID+ In-Fixture Module ^{4,5}
WIRSC	LightGRID+ Module and Occupancy Sensor ^{4,5}
Stand Alone Sensors	
BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens
BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
7PR	7-Pin Receptacle ⁴
7PR-SC	7-Pin Receptacle with shorting cap ⁴
3PR	3-Pin twist lock ⁴
3PR-SC	3-Pin receptacle with shorting cap ⁴
3PR-TL	3-Pin PCR with photocontrol ⁴
Programmed Controls	
SCP_F	Sensor Control Programmable, 8F or 40F ¹¹
ADD	AutoDim Timer Based Dimming ⁴
ADT	AutoDim Time of Day Dimming ⁴
Photocontrols	
PC	Button Photocontrol ^{4,7}

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information

2 – Battery temperature rating -20C to 55C

3 – Replace “_” with “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole

4 – Networked Controls cannot be combined with other control options

5 – Not available with 2PF option

6 – Not available with 480V

7 – Not available with 347 or 480V

8 – Not available with Dual Driver option

9 – Only available in Size 1 housing, up to 105 Watts

10 – Some voltage restrictions may apply when combined with controls

11 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.

VIPER Area/Site

VIPER LUMINAIRE

ORDERING GUIDE (CONT'D)

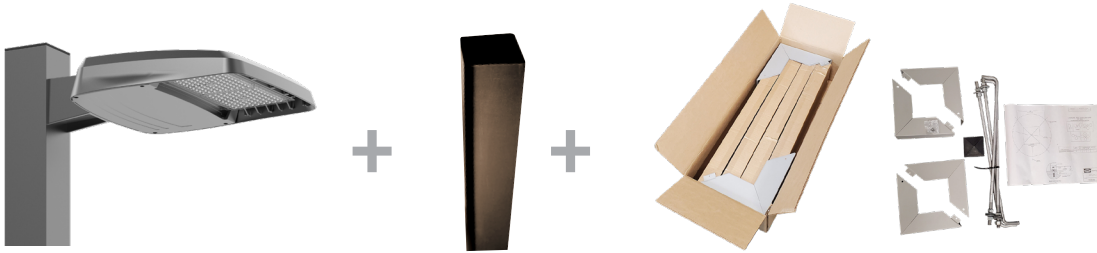
CATALOG # _____

Accessory Type	Size	Option	Color	Current Control Solutions — Accessories (Sold Separately)		
SHD Shield	1 Size 1	HSS-90-B House Side Shield 90° Back	BLS Black Gloss Smooth BLT Black Matte Textured DBS Dark Bronze Gloss Smooth DBT Dark Bronze Matte Textured GTT Graphite Matte Textured LGS Light Gray Gloss Smooth PSS Platinum Silver Smooth WHS White Gloss Smooth WHT White Matte Textured VGT Green Landscape Decorative LEG Legacy Colors	NX Lighting Controls <input type="checkbox"/> NXOFM-1R1D-UNV On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with NX Radio and Bluetooth® Radio, 120–480VAC LightGRID+ Lighting Control <input type="checkbox"/> WIR-RME-L On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with LightGRID+ Radio, 110–480VAC <input type="checkbox"/> SCP-REMOTE Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor For additional information related to these accessories please visit currentlighting.com/beacon . Options provided for use with integrated sensor, please view specification sheet ordering information table for details.		
	2 Size 2	HSS-90-F House Side Shield 90° Front				
	3 Size 3	HSS-90-S House Side Shield 90° Side				
	4 Size 4	HSS-270-BSS House Side Shield 270° Back/Side/Side				
		HSS-270-FSS House Side Shield 270° Front/Side/Side				
		HSS-270-FSB House Side Shield 270° Front/Side/Back				
		HSS-360 House Side Shield 360°				
	MTG Mounting	BC Back Light Control			Color Option	CC Custom Color
		A Arm Mount for square pole/flat surface				
		ASQU Universal Arm Mount for square pole				
AAU Adjustable Arm for pole mounting						
ADU Decorative upswept Arm						
RPA Round Pole Adapter						
MAF Mast Arm Fitter for 2-3/8" OD horizontal arm						
K Knuckle						
T Trunnion						
WB Wall Bracket (compatible with universal arm mounts)						
Accessory Type	Option					
MSC Miscellaneous	BIRD SPK Bird Spike					

VIPER Area/Site

VIPER LUMINAIRE

VIPER POLE EXPRESS COMBO – ORDERING GUIDE



Catalog Number	Pole	Single or Double Head	Fixture	Lumens*	Wattage	Distribution	CCT/CRI	Mounting	Finish
VP-1-160-4K-3-LS-S20	20' Square Straight Steel	Single	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20	20' Square Straight Steel	Single	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25	25' Square Straight Steel	Single	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25	25' Square Straight Steel	Single	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20	20' Square Straight Steel	Single	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20	20' Square Straight Steel	Single	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25	25' Square Straight Steel	Single	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25	25' Square Straight Steel	Single	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured

VIPER POLE EXPRESS COMBO – STOCK LUMINAIRE SKUS

Catalog Number	Lumens	LPW	Distribution	Wattage	CCT/CRI	Voltage	Mounting	Finish
VP-1-160-4K-3-LS	19584	123.9	3	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-4K-4F-LS	19426	122.9	4F	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-3-LS	19499	123.4	3	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-4F-LS	19186	121.4	4F	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured

VIPER POLE EXPRESS COMBO – ACCESSORIES











Catalog Number	Description
VM14DB	Vibration Dampener, mounts to top of pole for reduced vibration



VIPER Area/Site

VIPER LUMINAIRE

OUTDOOR LIGHTING CONTROLS OPTIONS CONTROLS FUNCTIONALITY LIGHT GRID+

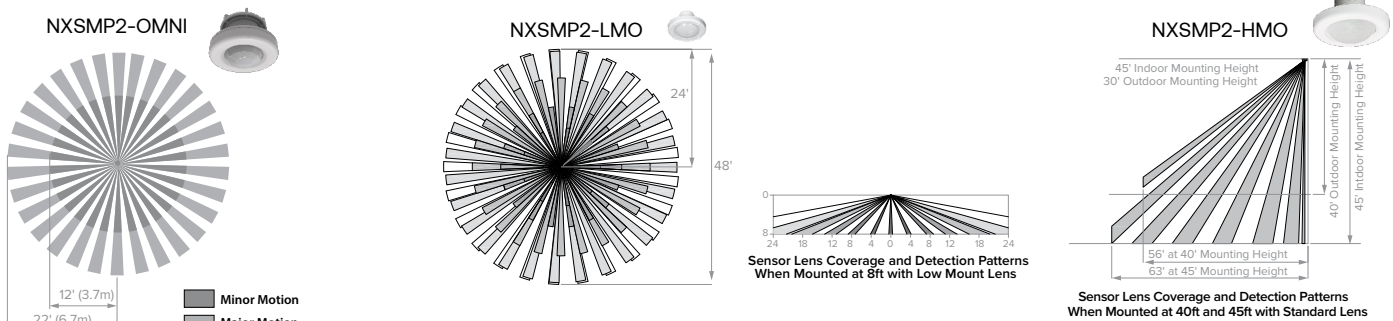
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless NXOFMIRID-UNV NX 7-Pin Twist-Lock® with NX Networked Wireless Radio, Integral Automatic Dimming Photocell, Integral Single Pole Relay with Dimming, and Bluetooth Programming	✓	✓	✓	Paired with external control	✓	✓	✓	✓	-		NXOFM-IRID-UV
NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
NXWS12F NX Networked Wireless Enabled Integral NXSMP2-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	12ft		NXSMP2-OMNI-O
NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
LightGRID+ WIR LightGRID+ In-Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-		WIR
WIR-RME-L LightGRID+ On Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-		WIR-RME-L
WIRSC LightGRID+ Module and Occupancy Sensor	✓	✓	✓	✓	✓	✓	✓	Gateway	14ft - 40ft		BTMSP
Independent BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O
BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	14ft		BTSMP-LMO
BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	40ft		BTSMP-HMO

DEFAULT SETTINGS

NX Wireless	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0%
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	On
	Passcode Factory Passcode: HubbN3T!	Enabled

Stand Alone	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	50%
	Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS



VIPER Area/Site

VIPER LUMINAIRE

NX LIGHTING CONTROLS FREE APP

CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&q=US



Apple App

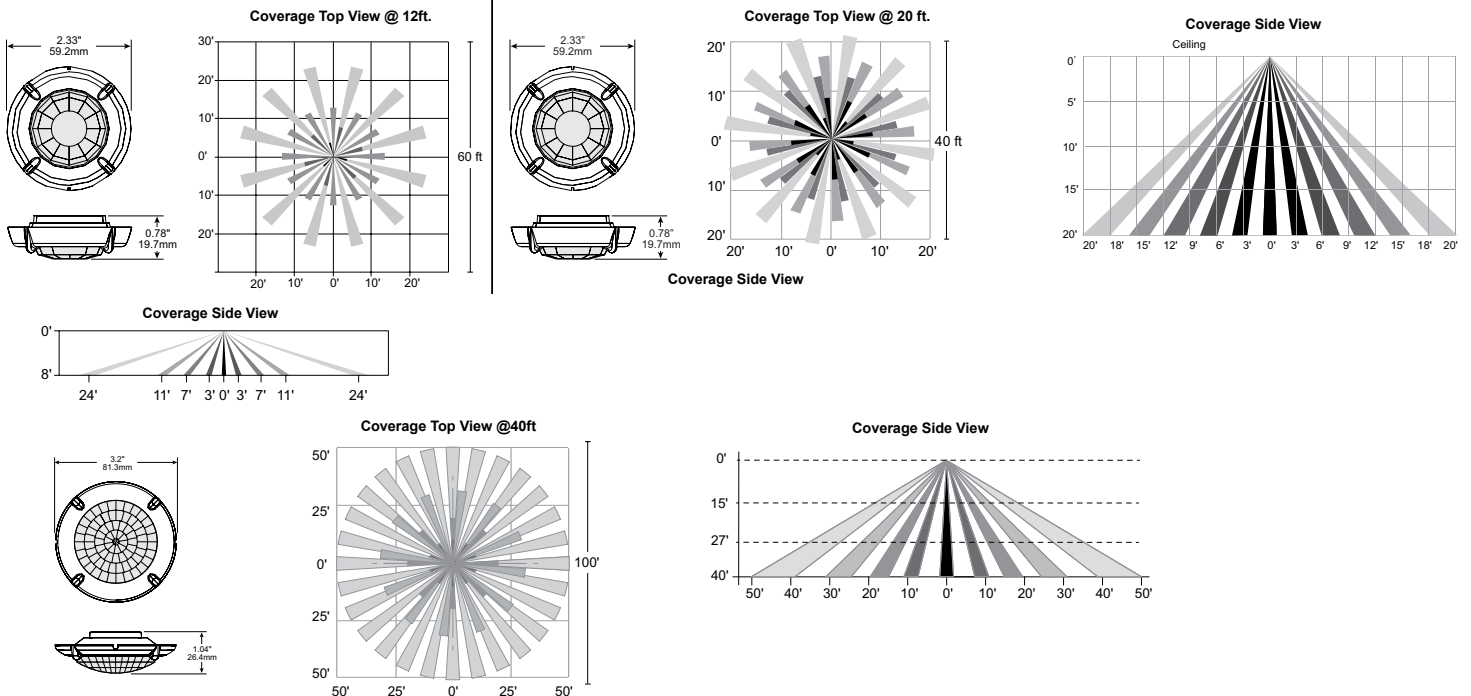


Google Play

OUTDOOR LIGHTING CONTROLS OPTIONS CONTROLS FUNCTIONALITY

Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
SCP_F Sensor Control Programmable, 8F or 40F	-	-	-	✓	✓	✓	✓	-	8ft or 40ft		SCP_F
ADD AutoDIM Timer Based Dimming	-	-	✓	-	-	-	✓	-	-		ADD
ADT AutoDIM Time of Day Dimming	-	-	✓	-	-	-	✓	-	-		ADT
7PR 7-Pin Receptacle	-	-	Paired with external control	-	Paired with external control	-	Paired with external control	-	-		7PR
7PR-SC 7-Pin Receptacle with shorting cap	-	-	-	-	-	-	-	-	-		7PR-SC
3PR 3-Pin twist lock	-	-	-	-	-	-	Paired with external control	-	-		3PR
3PR-SC 3-Pin Receptacle with shorting cap	-	-	-	-	-	-	-	-	-		3PR-SC
3PR-TL 3-Pin with photocontrol	-	-	-	-	✓	-	✓	-	-		3PR-TL

COVERAGE PATTERNS FOR SCP_F



VIPER Area/Site

VIPER LUMINAIRE

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6 - Delay 6 hours
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50% brightness
Auto-Dim Return	Delay 0-9 Hours	R6 - Return to full output after 6 hours

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6 - Dim at 6PM
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50%
Auto-Dim Return	12-6 AM and 9-11P	R6 - Return to full output at 6AM

DELIVERED LUMENS

For delivered lumens, please see Lumens Data PDF on www.Currentlighting.com

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	*TM-21-11 36,000	50,000	100,000	Calculated L ₇₀ (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier	Micro Strike Lumen Multiplier				Strike Lumen Multiplier			
CCT	Temp		CCT	70 CRI	80 CRI	90 CRI	CCT	70 CRI	80 CRI	90 CRI
0°C	32°F	1.03	2700K	-	0.841	-	2700K	0.9	0.81	0.62
10°C	50°F	1.01	3000K	0.977	0.861	0.647	3000K	0.933	0.853	0.659
20°C	68°F	1.00	3500K	-	0.900	-	3500K	0.959	0.894	0.711
25°C	77°F	1.00	4000K	1	0.926	0.699	4000K	1	0.9	0.732
30°C	86°F	0.99	5000K	1	0.937	0.791	5000K	1	0.9	0.732
40°C	104°F	0.98	AP-Amber Phosphor Converted Multiplier				Monochromatic Amber Multiplier			
			Amber	0.710			Amber	See Amber Spec Sheet		

VIPER Area/Site

VIPER LUMINAIRE

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ELECTRICAL DATA: MICRO STRIKE

# OF LEDS	160						
NOMINAL WATTAGE	35	50	75	100	115	135	160
SYSTEM POWER (W)	34.9	50.5	72.1	97.2	111.9	132.2	157.8
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.29	0.42	0.63	0.83	0.96	1.13	1.33
208	0.17	0.24	0.36	0.48	0.55	0.65	0.77
240	0.15	0.21	0.31	0.42	0.48	0.56	0.67
277	0.13	0.18	0.27	0.36	0.42	0.49	0.58
347	0.10	0.14	0.22	0.29	0.33	0.39	0.46
480	0.07	0.10	0.16	0.21	0.24	0.28	0.33

# OF LEDS	320						
NOMINAL WATTAGE	145	170	185	210	235	255	315
SYSTEM POWER (W)	150	166.8	185.7	216.2	240.9	261.5	312
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	1.21	1.42	1.54	1.75	1.96	2.13	2.63
208	0.70	0.82	0.89	1.01	1.13	1.23	1.51
240	0.60	0.71	0.77	0.88	0.98	1.06	1.31
277	0.52	0.61	0.67	0.76	0.85	0.92	1.14
347	0.42	0.49	0.53	0.61	0.68	0.73	0.91
480	0.30	0.35	0.39	0.44	0.49	0.53	0.66

# OF LEDS	480					
NOMINAL WATTAGE	285	320	340	390	425	470
SYSTEM POWER (W)	286.2	316.7	338.4	392.2	423.2	468
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.38	2.67	2.83	3.25	3.54	3.92
208	1.37	1.54	1.63	1.88	2.04	2.26
240	1.19	1.33	1.42	1.63	1.77	1.96
277	1.03	1.16	1.23	1.41	1.53	1.70
347	0.82	0.92	0.98	1.12	1.22	1.35
480	0.59	0.67	0.71	0.81	0.89	0.98

# OF LEDS	720				
NOMINAL WATTAGE	435	475	515	565	600
SYSTEM POWER (W)	429.3	475	519.1	565.2	599.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	3.63	3.96	4.29	4.71	5.00
208	2.09	2.28	2.48	2.72	2.88
240	1.81	1.98	2.15	2.35	2.50
277	1.57	1.71	1.86	2.04	2.17
347	1.25	1.37	1.48	1.63	1.73
480	0.91	0.99	1.07	1.18	1.25

VIPER Area/Site

VIPER LUMINAIRE

ELECTRICAL DATA: STRIKE

# OF LEDS	36				
NOMINAL WATTAGE	39	55	85	105	120
SYSTEM POWER (W)	39.6	56.8	83.6	108.2	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.33	0.46	0.71	0.88	0.96
208	0.19	0.26	0.41	0.50	0.55
240	0.16	0.23	0.35	0.44	0.48
277	0.14	0.20	0.31	0.38	0.42
347	0.11	0.16	0.24	0.30	0.33
480	0.08	0.11	0.18	0.22	0.24

# OF LEDS	72				
NOMINAL WATTAGE	115	145	180	210	240
SYSTEM POWER (W)	113.7	143.2	179.4	210.2	241.7
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	1.00	1.21	1.50	1.75	1.79
208	0.58	0.70	0.87	1.01	1.03
240	0.50	0.60	0.75	0.88	0.90
277	0.43	0.52	0.65	0.76	0.78
347	0.35	0.42	0.52	0.61	0.62
480	0.25	0.30	0.38	0.44	0.45

# OF LEDS	108				
NOMINAL WATTAGE	215	250	280	325	365
SYSTEM POWER (W)	214.8	250.8	278.3	324.7	362.6
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	2.00	2.08	2.33	3.04	2.67
208	1.15	1.20	1.35	1.75	1.54
240	1.00	1.04	1.17	1.52	1.33
277	0.87	0.90	1.01	1.32	1.16
347	0.69	0.72	0.81	1.05	0.92
480	0.50	0.52	0.58	0.76	0.67

# OF LEDS	162					
NOMINAL WATTAGE	320	365	405	445	485	545
SYSTEM POWER (W)	322.1	362.6	403.6	445.1	487.1	543.9
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.71	2.67	3.38	3.71	4.04	4.54
208	1.56	1.54	1.95	2.14	2.33	2.62
240	1.35	1.33	1.69	1.85	2.02	2.27
277	1.17	1.16	1.46	1.61	1.75	1.97
347	0.94	0.92	1.17	1.28	1.40	1.57
480	0.68	0.67	0.84	0.93	1.01	1.14

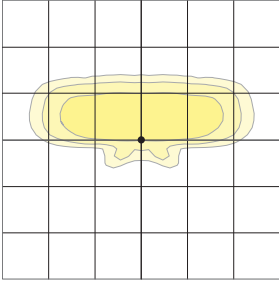
VIPER Area/Site

VIPER LUMINAIRE

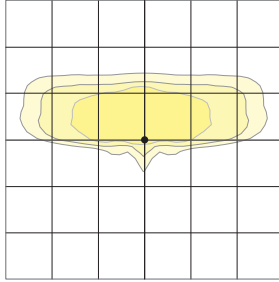
MICRO STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

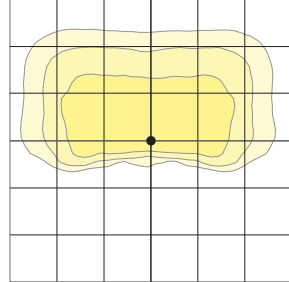
Type 2



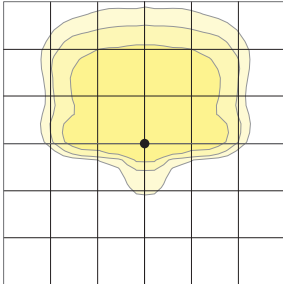
Type 3



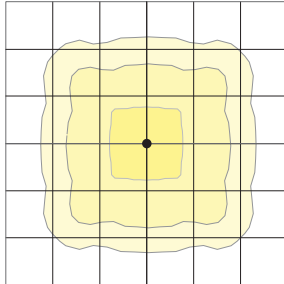
Type 4 Wide



Type 4F



Type 5QW



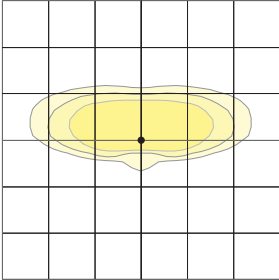
VIPER Area/Site

VIPER LUMINAIRE

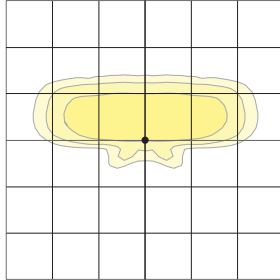
OPTIC STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

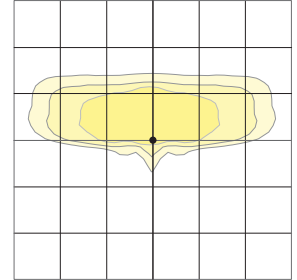
Type FR – Front Row/Auto Optic



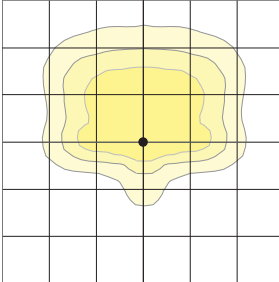
Type 2



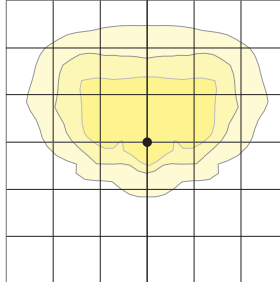
Type 3



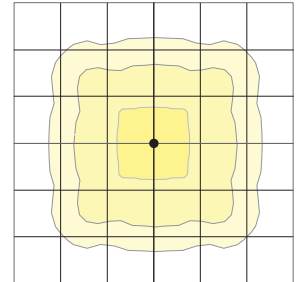
Type 4 Forward



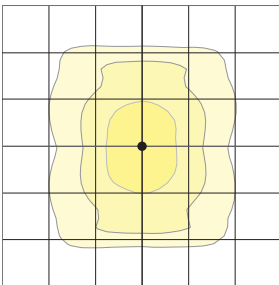
Type 4 Wide



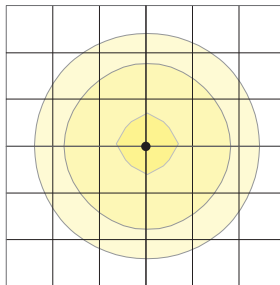
Type 5QM



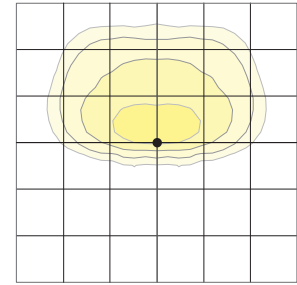
Type 5RW (rectangular)



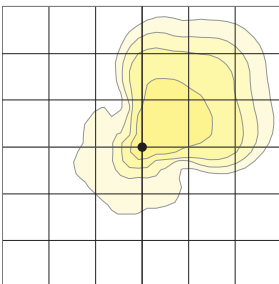
Type 5W (round wide)



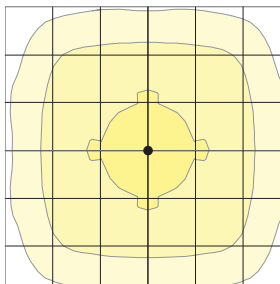
Type TC



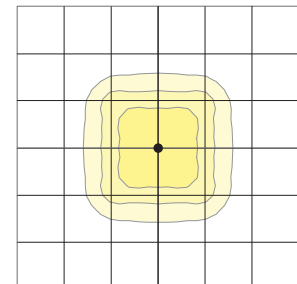
Type Corner



Type 5QW



Type 5QN

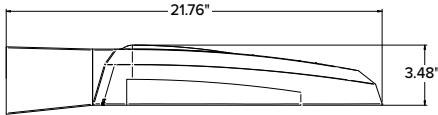
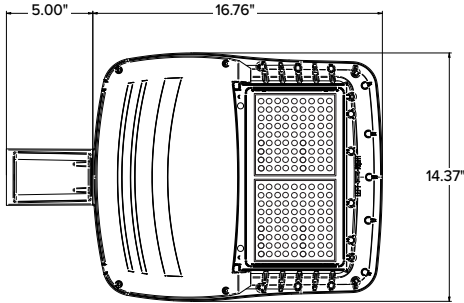


VIPER Area/Site

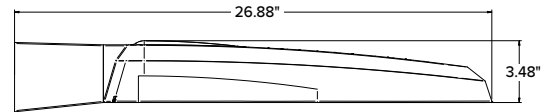
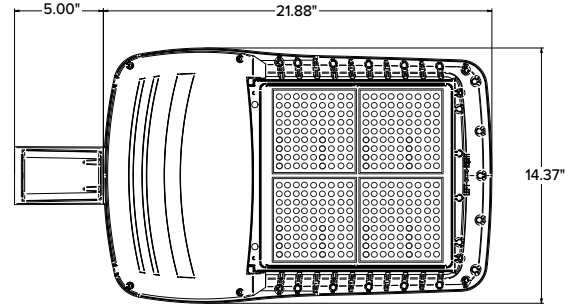
VIPER LUMINAIRE

DIMENSIONS

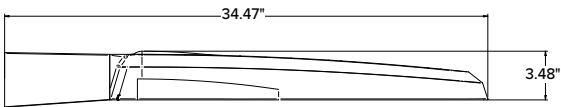
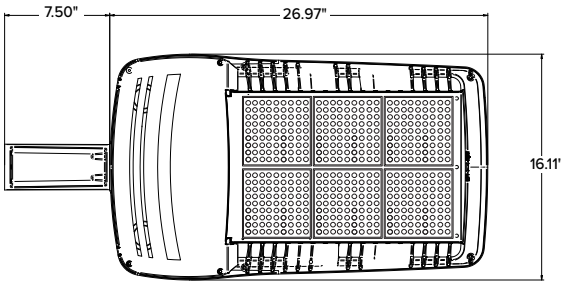
SIZE 1



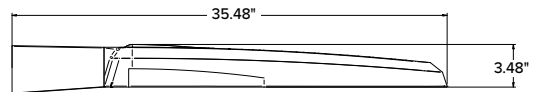
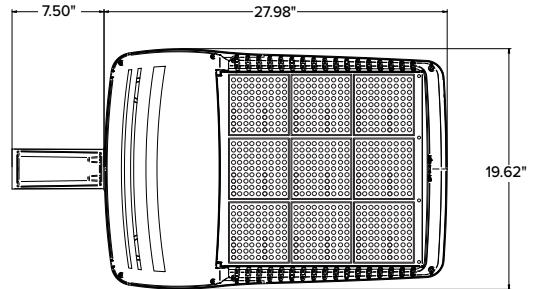
SIZE 2









SIZE 3



SIZE 4



	EPA				Config.
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9

VIPER Area/Site

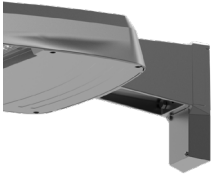
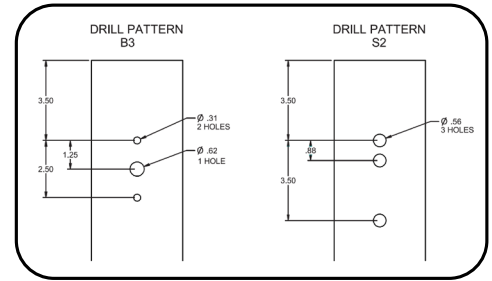
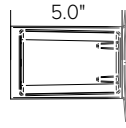
VIPER LUMINAIRE

MOUNTING



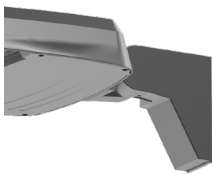
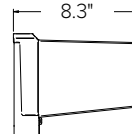
A-STRAIGHT ARM MOUNT

Fixture ships with integral arm for ease of installation. Compatible with Current Outdoor B3 drill pattern for ease of installation on square poles. For round poles add applicable suffix (2/3/4/5)



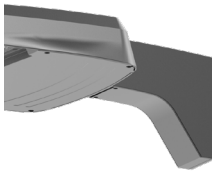
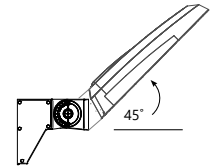
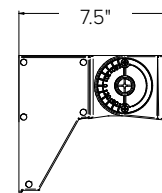
ASQU-UNIVERSAL ARM MOUNT

Universal mounting block for ease of installation. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5)



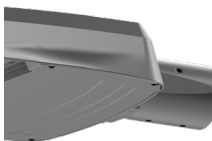
AAU-ADJUSTABLE ARM FOR POLE MOUNTING

Rotatable arm mounts directly to pole. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2 and B3. For round poles add applicable suffix (2/3/4/5). Rotatable in 5° aiming angle increments. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



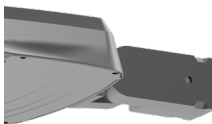
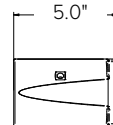
ADU-DECORATIVE UPSWEPT ARM

Upswept Arm compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5).



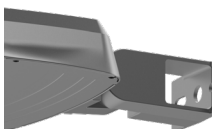
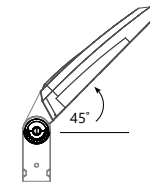
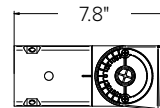
MAF-MAST ARM FITTER

Fits 2-3/8" OD horizontal tenons.



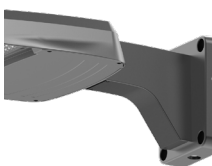
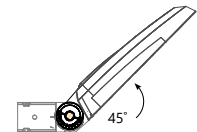
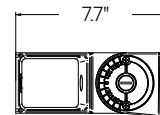
K-KNUCKLE

Rotatable in 5-degree aiming angle increments, fits 2-3/8" tenons or pipes. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



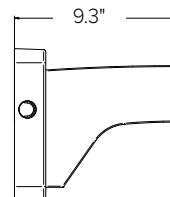
T-TRUNNION

Trunnion for surface and crossarm mounting using (1) 3/4" or (2) 1/2" size through bolts. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



WM-WALL MOUNT

Compatible with universal arm mount, adjustable arm mount, and decorative arm mount. The WA option uses the same wall bracket but replaces the decorative arm with an adjustable arm.



VIPER Area/Site

VIPER LUMINAIRE

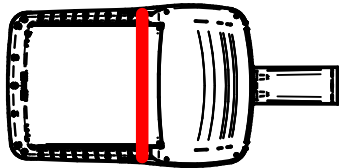
ADDITIONAL INFORMATION (CONTINUED)

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

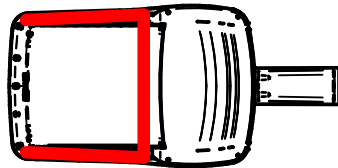
HSS has a depth of 5" for all Viper sizes

Not to be used with Occupancy Sensors as the shield may block the light to the sensor.

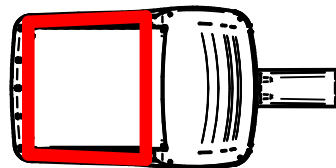
VPR2x HSS-90-B-xx



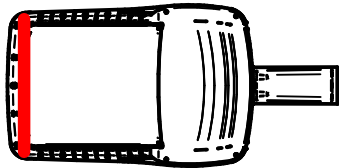
VPR2x HSS-270-BSS-xx



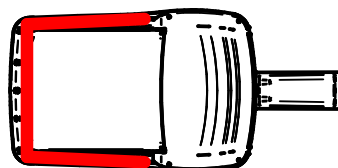
VPR2x HSS-360-xx



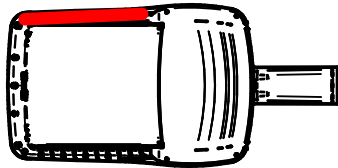
VPR2x HSS-90-F-xx



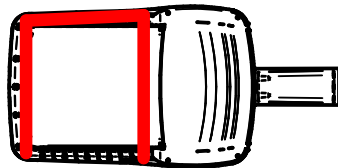
VPR2x HSS-270-FSS-xx



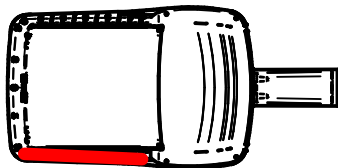
VPR2x HSS-90-S-xx



VPR2x HSS-270-FSB-xx



VPR2x HSS-90-S-xx



VPR2x HSS-270-FSB-xx

