



AGENDA
REGULAR VILLAGE BOARD MEETING
Village Hall - Public Meeting Room
Monday, November 28, 2016
7:00 p.m.

Reasonable accommodations/auxiliary aids will be provided to enable persons with disabilities to effectively participate in any public meetings of the Board. Please contact the Village Administrative Office (847.883.8600) 48 hours in advance if you need special accommodations to attend. Regular Village Board Meetings will not proceed past 10:30 p.m. unless there is a consensus of the majority of the Trustees to do so.

CALL TO ORDER

1.0 ROLL CALL

2.0 APPROVAL OF MINUTES

2.1 Approval of the November 14, 2016 Regular Village Board Meeting Minutes

3.0 REPORTS OF OFFICERS

3.1 Mayor's Report

3.2 Village Clerk's Report

3.3 Village Treasurer's Report

3.4 Village Manager's Report

4.0 PAYMENT OF BILLS

4.1 Bills Presented for Payment on November 28, 2016 in the amount of \$690,125.75.

5.0 CITIZENS WISHING TO ADDRESS THE BOARD (on agenda items only)

6.0 PETITIONS AND COMMUNICATIONS

7.0 CONSENT AGENDA

Items on the Consent Agenda will be approved by one motion. If a Trustee wishes to discuss any item, it will be pulled from the Consent Agenda and discussed under "Unfinished Business".

7.1 Approval a Site Work Fee Waiver Request, per Section 5-3-2(A) of the Lincolnshire Village Code (The Lutheran Church of the Holy Spirit)

7.2 Approval of the 2017 Village Calendar and Meeting Schedule (Village of Lincolnshire)

7.3 Approval of an Ordinance Abating and Reducing Certain Taxes Heretofore Levied to Pay Debt Service on Special Service Area (SSA) Bonds of the Village of Lincolnshire, Lake County, Illinois (Sedgebrook Special Service Area Number 1 Special Tax Bonds)

- 7.4 Approval of an Ordinance Abating Certain Taxes Heretofore Levied for the Westminster Way Transportation Special Service Area Number 1A (Village of Lincolnshire)
- 7.5 Approval of an Ordinance Abating the Tax Heretofore Levied for the Year 2016 to Pay Debt Service on Several Notes of the Village of Lincolnshire, Lake County, Illinois (Village of Lincolnshire)
- 7.6 Consideration of an Amendment to the Easement Agreement with Lake County Forest Preserve District for Infrastructure Transportation Enhancement Program (ITEP) Stage 2 – Olde Half Day Road Shared Use Path Improvements (Village of Lincolnshire)
- 8.0 **ITEMS OF GENERAL BUSINESS**
 - 8.1 Planning, Zoning & Land Use
 - 8.11 Approval of an Ordinance Granting a Special Use for a Commercial Services Activity (Child Daycare Facility, The Gardner School)
 - 8.2 Finance and Administration
 - 8.21 **PUBLIC HEARING** Regarding the Levying Taxes for Corporate Purposes of the Village of Lincolnshire, Lake County, Illinois for Fiscal Year January 1, 2016 and Ending December 31, 2016 (Village of Lincolnshire)
 - 8.3 Public Works
 - 8.31 Award of Bid to Chicagoland Paving, Lake Zurich, Illinois in the Amount of \$249,000.00 for Infrastructure Transportation Enhancement Program (ITEP) Stage 2 – Olde Half Day Road Shared Use Path Improvements (Village of Lincolnshire)
 - 8.4 Police
 - 8.5 Parks and Recreation
 - 8.6 Judiciary and Personnel
- 9.0 **REPORTS OF SPECIAL COMMITTEES**
- 10.0 **UNFINISHED BUSINESS**
- 11.0 **NEW BUSINESS**
- 12.0 **ADJOURNMENT**



MINUTES
REGULAR VILLAGE BOARD MEETING
Monday, November 14, 2016

Present:

Mayor Brandt	Trustee Feldman
Trustee Grujanac	Trustee Hancock
Trustee McDonough	Trustee Servi
Trustee Leider	Village Clerk Mastandrea
Village Attorney Simon	Village Manager Burke
Chief of Police Leonas	Public Works Director Woodbury
Village Treasurer/Finance Director Peterson	Assistant Village Manager/Community &
Economic Development Coordinator Zozulya	Economic Development Director Letendre
Assistant Public Works Director/Village Engineer Dittrich	

ROLL CALL

Mayor Brandt called the meeting to order at 7:00 p.m., and Village Clerk Mastandrea called the Roll.

2.1 Approval of the October 24, 2016 Regular Village Board Meeting Minutes

Trustee McDonough moved and Trustee Servi seconded the motion to approve the minutes of the Regular Village Board Meeting of October 24, 2016 as presented. The roll call vote was as follows: AYES: Trustees Leider, McDonough, Servi and Mayor Brandt. NAYS: None. ABSENT: Trustee Feldman. ABSTAIN: Trustees Grujanac and Hancock. Mayor Brandt declared the motion carried.

3.0 REPORTS OF OFFICERS

3.1 Mayor's Report

Mayor Brandt thanked staff and community members who volunteered at Boo Bash on October 28, 2016. Mayor Brandt stated many hours were put in and attendance was higher than last year. Staff did an awesome job of getting the Cubs game on at the event at the last moment.

Mayor Brandt noted the annual Tree Lighting is taking place on December 3, 2016 and all are invited.

3.2 Village Clerk's Report - None

3.3 Village Treasurer's Report

3.31 Revenues and Expenditures Summary for the Month of October, 2016

Village Treasurer/Finance Director Peterson stated the Revenue and

Expenditure Summary is included in the Board packet; and all revenues and expenditures have been properly recorded for the month of October 2016.

3.4 Village Manager's Report - None

4.0 PAYMENT OF BILLS

4.1 Bills Presented for Payment on November 14, 2016 in the amount of \$678,866.25

Village Treasurer/Finance Director Peterson provided a summary of the November 14, 2016 bills prelist presented for payment with the total being \$678,866.25. The total amount is based on \$208,700 for General Fund; \$212,800 for Water & Sewer Fund; \$47,100 for Retirement Fund; \$31,300 for Water & Sewer Improvement Fund; \$24,000 for Vehicle Maintenance; \$24,800 for E911 Fund; and \$130,200 for the General Capital Fund.

Trustee Grujanac moved and Trustee McDonough seconded the motion to approve the bills prelist dated November 14, 2016 as presented. The roll call vote was as follows: AYES: Trustees McDonough, Grujanac, Hancock, Leider and Servi. NAYS: None. ABSENT: Trustee Feldman. ABSTAIN: None. Mayor Brandt declared the motion carried.

5.0 CITIZENS WISHING TO ADDRESS THE BOARD (on agenda items only)

6.0 PETITIONS AND COMMUNICATIONS

7.0 CONSENT AGENDA

- 7.1 Approval of a Supplemental Resolution for Maintenance of Streets and Highways by Municipalities under the Illinois Highway Code - January 1, 2009 to December 31, 2009 (Village of Lincolnshire)**
- 7.2 Approval of a Contract with K.L.F. Enterprises Inc. of Markham, IL for Contractual Leaf Hauling and Disposal in an Amount not to Exceed \$50,000 (Village of Lincolnshire)**
- 7.3 Approval of a Settlement Agreement Related to Case No. 16 MR 325 and Case No. 16 MR 858, Lake County, Illinois**
- 7.4 Approval of Change to Public Comment Rules (Village of Lincolnshire)**

Trustee McDonough moved and Trustee Hancock seconded the motion to approve the Consent Agenda. The roll call vote was as follows: AYES: Trustees Hancock, Grujanac, McDonough, Leider, and Servi. NAYS: None. ABSENT: Trustee Feldman. ABSTAIN: None. The Mayor declared the motion carried.

8.0 ITEMS OF GENERAL BUSINESS

8.1 Planning, Zoning & Land Use

- 8.11 Approval of an Ordinance Amending a Special Use for a Planned Unit Development, for Retail Development, Including Grocery Store (Lincolnshire Marketplace LLC - Culver's Restaurant & Shopping)**

Center Ground Signs – Northeast Corner of Milwaukee Avenue and Route 22)

Economic Development Coordinator Zozulya provided a summary and update regarding a proposed Ordinance amending a Special Use for a Planned Unit Development, for Retail Development, including grocery store.

Mr. Mike Mallon, Senior Vice President with Draper and Kramer, project developer and contract purchaser provided a presentation regarding requests the Board made on October 10, 2016 related to proposed signs and color scheme for Culver's.

Mayor Brandt asked what the hours of operation would be for Culver's and when the signs would be turned off. Mr. Kevin Weasler, owner and operator of Culver's, stated typically Culver's opens at 10:00 or 10:30 a.m. and closes at 10:00 or 11:00 p.m.

Trustee Servi asked the petitioner why they believe the visibility would be impacted if the electronic board was recessed or flat versus sticking out. Mr. Mallon noted it is in terms of angle; when the sign projects out, it has a greater range in terms of the visibility.

Trustee Grujanac asked if the drive-thru umbrella would remain blue. Mr. Mallon stated the awnings would all remain blue including the umbrella in the drive-thru.

There was a discussion regarding the proposed monument sign that would include the flavor of the day/charitable events. The intention of the sign for charitable events would be for local events, and the sign would remain unchanged in any 24 hour period.

Trustee Leider moved and Trustee Servi seconded the motion to approve an Ordinance amendment to the Lincolnshire Marketplace/Fresh Market PUD to permit a Culver's restaurant with a drive-thru and center-wide ground signs; and a Special Use designation for Culver's, with the stipulations that the message board will only be lit during business hours; it will stay as a solid sign without change during the business day; if it goes outside the bounds of the "flavor of the day", it will be categorical approval for local charities and Village of Lincolnshire events. The roll call vote was as follows: AYES: Trustees Hancock, Grujanac, McDonough, Leider, and Servi. NAYS: None. ABSENT: Trustee Feldman. ABSTAIN: None. The Mayor declared the motion carried.

8.2 Finance and Administration

8.3 Public Works

8.31 Approval of an Intergovernmental Cooperative Purchasing Agreement for Joining the U.S. Communities National Cooperative Purchasing Program (Village of Lincolnshire)

Assistant Public Works Director/Village Engineer Dittrich provided a

summary of an Intergovernmental Cooperative Purchasing Agreement for joining the U.S. Communities National Cooperative Purchasing Program.

Trustee Grujanac moved and Trustee Servi seconded the motion to approve an Intergovernmental Cooperative Purchasing Agreement for joining the U.S. Communities National Cooperative Purchasing Program. The roll call vote was as follows: AYES: Trustees Hancock, Grujanac, McDonough, Leider, and Servi. NAYS: None. ABSENT: Trustee Feldman. ABSTAIN: None. The Mayor declared the motion carried.

8.32 Approval of Purchase of Office Equipment through the U. S. Communities National Cooperative Purchasing Program in Amounts not to Exceed \$45,000.00 (Village of Lincolnshire)

Assistant Public Works Director/Village Engineer Dittrich provided a summary of the request to purchase office equipment through the U.S. Communities National Cooperative Purchasing Program. Staff requests to utilize 2016 Budget dollars to remodel the Public Works office space.

Trustee McDonough asked if it makes sense to remodel the office space at Public Works or move the office staff to the Village Hall. Assistant Public Works Director/Village Engineer Dittrich noted two new positions will benefit from the office space and these positions need to work out of the Public Works facility as this is the location of the personnel to be supervised. Public Works Director Woodbury added that having a conference room to meet with outside consultants and engineers would be a big benefit to Public Works operations.

Assistant Public Works Director/Village Engineer Dittrich provided a presentation highlighting the Public Works current space and proposed changes.

Mayor Brandt asked who staff meets with at the Public Works Facility. Assistant Public Works Director/Village Engineer Dittrich stated Public Works staff meets with vendors, consultants, contractors, and also hosts various project meetings. Public Works Director Woodbury added it would be a benefit for staff to have an area where meetings could be held without being interrupted. Village Manager Burke added the conference room could be used for bid openings and would save staff time traveling back and forth from the Public Works Facility to the Village Hall for meetings.

A conversation regarding meeting space and staff time followed.

Trustee Hancock asked if other options were looked at to possibly save money. Public Works Director Woodbury noted the proposed plan is approximately the fifth revision and has been scaled down to the basics of what is needed.

A conversation regarding the use of the lunch room for meetings followed.

Trustee McDonough asked if there was going to be another budget meeting or if the Board was going to base budget decisions on meetings that already occurred. Village Manager Burke stated there are a number of feedback items for the November 28th meeting and staff will bring back changes the Board has discussed to date with the expectation of the final budget approval on December 12th. Trustee McDonough noted concern regarding the 2017 budget and stated some things will have to be put off as a result.

Trustee McDonough asked if there was urgency to the proposed project. Assistant Public Works Director/Village Engineer Dittrich stated staff would like to get the work done since the new positions were taking place soon and there will be some lead time on getting the office equipment.

A conversation regarding the new positions followed.

Trustee McDonough suggested considering these improvements in the 2017 budget. Public Works Director Woodbury stated staff could add the proposed improvements to the Capital Plan. Trustees Leider and Hancock stated their opinion was the proposed project is not currently a necessity.

Trustee Servi asked where the cost of the project came from. Assistant Public Works Director/Village Engineer Dittrich stated U.S. Communities bid out all aspects of the proposed projects. Trustee Servi suggested getting other bids for the proposed project.

Trustee Grujanac stated she understood the need for staff in regards to productivity but would like to see if staff could get other bids for the project in order to save money.

It was the consensus of the Board for staff to get additional bids, budget information, staff travel times, and report back to the Board at a future meeting date for review and discussion.

8.33 Clarification and Approval of Joint Purchasing Agreements with Morton Salt, Inc. in the Amount of \$27,968.00 and Cargill Incorporated in the Amount of \$16,267.00 for the Purchase of Rock Salt for the 2016-2017 Winter Season (Village of Lincolnshire)

Public Works Director Woodbury provided clarification regarding the approval of joint purchasing agreements with Morton Salt, Inc. and Cargill Incorporated. This item was voted on and approved at the October 24th meeting with an error in the vendor identified.

Trustee McDonough moved and Trustee Servi seconded the motion to approve the clarification of a Joint Purchasing Agreements with Morton Salt, Inc. in the Amount of \$27,968.00 and Cargill Incorporated in the Amount of \$16,267.00 for the Purchase of Rock Salt for the 2016-2017 Winter Season. The roll call vote was as follows: AYES: Trustees Hancock, Grujanac, McDonough, Leider, and Servi. NAYS: None. ABSENT: Trustee

Feldman. ABSTAIN: None. The Mayor declared the motion carried.

8.4 Police

8.41 Resolution Approving the Intergovernmental Agreement between the Village of Vernon Hills, Countryside Fire Protection, Village of Libertyville, and the Village of Lincolnshire for the purpose of entering into a Joint Emergency Telephone System Board (JETSB) (Village of Lincolnshire)

Chief of Police Leonas provided a summary of the Resolution Approving the Intergovernmental Agreement between the Village of Vernon Hills, Countryside Fire Protection, Village of Libertyville, and the Village of Lincolnshire for the purpose of entering into a Joint Emergency Telephone System Board (JETSB) noting the only changes since the October 24th meeting is the language in Section 9.

Trustee McDonough moved and Trustee Servi seconded the motion to approve the Resolution Approving the Intergovernmental Agreement between the Village of Vernon Hills, Countryside Fire Protection, Village of Libertyville, and the Village of Lincolnshire for the purpose of entering into a Joint Emergency Telephone System Board (JETSB). The roll call vote was as follows: AYES: Trustees Hancock, Grujanac, McDonough, Leider, and Servi. NAYS: None. ABSENT: Trustee Feldman. ABSTAIN: None. The Mayor declared the motion carried.

8.5 Parks and Recreation

8.6 Judiciary and Personnel

9.0 REPORTS OF SPECIAL COMMITTEES

10.0 UNFINISHED BUSINESS

11.0 NEW BUSINESS

12.0 EXECUTIVE SESSION

13.0 ADJOURNMENT

Trustee McDonough moved and Trustee Hancock seconded the motion to adjourn. The voice vote was unanimous and Mayor Brandt declared the meeting adjourned at 7:49 p.m.

Respectfully submitted,
VILLAGE OF LINCOLNSHIRE

Barbara Mastandrea
Village Clerk



VILLAGE OF LINCOLNSHIRE

BILLS PRESENTED FOR PAYMENT
11/28/2016

General Fund	\$	187,687.05
Water & Sewer Fund	\$	267,975.80
Motor Fuel Tax		
Retirement Fund		
Water & Sewer Improvement Fund	\$	79,753.62
Fraud, Alcohol, Drug Enforcement		
Vehicle Maintenance Fund	\$	10,780.22
E 911 Fund		
Park Development Fund		
Sedgebrook SSA	\$	305.00
SSA Traffic Signal	\$	1,170.00
General Capital Fund	\$	142,454.06
GRAND TOTAL	\$	690,125.75

Brad Burke, Village Manager

CUSTOM INVOICE REPORT FOR VILLAGE OF LINCOLNSHIRE
INVOICE DUE DATES 11/15/2016 - 11/28/2016
JOURNALIZED
BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: A & E RUBBER STAMP		
605592	2 updated self-ink date stamps for 2017	96.00
TOTAL VENDOR A & E RUBBER STAMP		96.00
VENDOR NAME: ACCURATE DOCUMENT DESTRUCTION		
14521140	Document Shredding 10/06/2016	193.02
TOTAL VENDOR ACCURATE DOCUMENT DESTRUCTIO		193.02
VENDOR NAME: ACCURATE OFFICE SUPPLY		
383636	Batteries, packing tape, paper clips	42.48
TOTAL VENDOR ACCURATE OFFICE SUPPLY		42.48
VENDOR NAME: AIRGAS, INC		
9939977383	Cylinder rental	208.06
TOTAL VENDOR AIRGAS, INC		208.06
VENDOR NAME: AJILON PROFESSIONAL STAFFING		
8324281	CED Temp Carol Fritz 11/13/2016	525.38
TOTAL VENDOR AJILON PROFESSIONAL STAFFING		525.38
VENDOR NAME: ALPHA BUILDING MAINT. SERVICE INC		
17258VL	Janitorial services 11/1 to 11/30/16	2,084.57
TOTAL VENDOR ALPHA BUILDING MAINT. SERVICE IN		2,084.57
VENDOR NAME: ANCEL GLINK DIAMOND		
53249_d	BD Escrow - KZF Townhomes - Riverside Trails - At	1,631.25
53249_c	BD Escrow - Med Office - Atty. Fees	56.25
53249_e	BD Escrow - Stevenson High School - Press Box -	168.75
53249-1	October 2016 Legal Fees	3,472.50
53249_a	BD Escrow - 404 Social - Atty. Fees	618.75
53249_b	BD Escrow - Culver's - Atty. Fees	787.50
TOTAL VENDOR ANCEL GLINK DIAMOND		6,735.00
VENDOR NAME: APPLE JANIS		
2015	Senior Citizen Property Tx Relief Refund	66.83
TOTAL VENDOR APPLE JANIS		66.83
VENDOR NAME: ARAMARK		
2080813157	Uniform rental	77.30
2080803362	Uniform rental	77.30
TOTAL VENDOR ARAMARK		154.60
VENDOR NAME: BADE SUPPLY		
203459	Paper goods	258.54
TOTAL VENDOR BADE SUPPLY		258.54
VENDOR NAME: BASECAMP WEB SOLUTIONS		
1940	Upgrade current and new website	261.25
TOTAL VENDOR BASECAMP WEB SOLUTIONS		261.25
VENDOR NAME: BISHOP PLUMBING		
91599	Supply-install new water supply opening at NP Mair	1,745.00
TOTAL VENDOR BISHOP PLUMBING		1,745.00
VENDOR NAME: BONNELL INDUSTRIES INC.		
0170912-IN	Cutting edge for #252	477.59
0170914-IN	Snow plow and credit for trade in of used plow for tr	8,592.00
TOTAL VENDOR BONNELL INDUSTRIES INC.		9,069.59
VENDOR NAME: BONTA ITALIAN MARKET		
004938	October 26, 2016 Special Committee of the Whole	184.45

CUSTOM INVOICE REPORT FOR VILLAGE OF LINCOLNSHIRE
INVOICE DUE DATES 11/15/2016 - 11/28/2016
JOURNALIZED
BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: BONTA ITALIAN MARKET		
	TOTAL VENDOR BONTA ITALIAN MARKET	184.45
VENDOR NAME: BRIGHT LIGHT SIGN CO		
TM-13229	Balance due on Holiday lighting contract	3,162.50
	TOTAL VENDOR BRIGHT LIGHT SIGN CO	3,162.50
VENDOR NAME: CALL ONE		
11152016	Monthly Phone Bill 1122574 11/15/2016	1,438.29
	TOTAL VENDOR CALL ONE	1,438.29
VENDOR NAME: CHICAGO TRIBUNE MEDIA GROUP		
002980954	Recruitment & Bid Publications	1,299.07
	TOTAL VENDOR CHICAGO TRIBUNE MEDIA GROUP	1,299.07
VENDOR NAME: CL GRAPHICS		
64863	Letterhead envelopes	285.81
	TOTAL VENDOR CL GRAPHICS	285.81
VENDOR NAME: COMCAST CABLE COMMUNICATIONS		
1371-12-16	VH internet service 12-2016 to 12-2017	1,705.75
7545-12-16	ESR-Scada Internet 12-2016 to 12-2017	1,286.20
2374-12-16	VH-added cable box 11-2016 to 12-2017	27.43
1389-12-16	PWF Internet service 12-2016 to 12-2018	1,845.20
	TOTAL VENDOR COMCAST CABLE COMMUNICATIONS	4,864.58
VENDOR NAME: COMED		
3038275001-11-16	Whytegate electric service 10/4 to 11/2/16	38.61
0339014158-11-16	Brookwood entry light 10/4 to 11/1/16	5.25
7299013001-11-16	Utilities electric service 10/5 to 11/2/16	80.97
3038188003-11-16	Utilities pumping electric service 10/5 to 11/1/16	23.95
7128083006-11-16	Utilities electric service 10/4 to 10/31/16	86.88
6123019023-11-16	Traffic & street lighting electric service 10/5 to 11/3/16	260.80
3168065033-11-16	Utilities electric service 9/30 to 10/31/16	64.36
5225087020-11-16	RNC electric service 10/3 to 10/31/16	138.35
5760114015-11-16	Utilities electric service 10/4 to 11/1/16	110.50
6520050011-11-16	Utilities electric service 10/4 to 11/1/16	108.46
0268410000-11-16	Utilities pumping 10/5/16 to 11/1/16	68.55
0777044014-11-16	Utilities pumping electric service 10/5 to 11/1/16	107.15
	TOTAL VENDOR COMED	1,093.83
VENDOR NAME: CONSTELLATION ENERGY		
71636502	Electricity supply SLP 10/3 to 10/31/16	96.69
71689891	Electricity supply North Park 10/4 to 11/1/16	2,597.72
71689913	Electricity supply utilities multi-locations 10/4 to 11/1/16	3,084.85
71754732	Electricity supply utilities 205 Schelter Rd 10/3 to 11/1/16	1,882.44
71636597	Electricity supply, utilities pumping 10/3 to 10/31/16	382.78
	TOTAL VENDOR CONSTELLATION ENERGY	8,044.48
VENDOR NAME: CUTLER WORKWEAR		
86925	Steel toe work boots for Brad Leese	148.46
	TOTAL VENDOR CUTLER WORKWEAR	148.46
VENDOR NAME: DELLEFIELD, DOLORES		
2015-a	Senior Citizen Property Tx Relief Refund	147.79
	TOTAL VENDOR DELLEFIELD, DOLORES	147.79
VENDOR NAME: DROPBOX		
2016-10	October 2016 Dropbox fees	9.99
	TOTAL VENDOR DROPBOX	9.99
VENDOR NAME: ELEVATOR INSPECTION SERVICES		
63718	209 Rivershire Pit Ladder Inspection	80.00
63717	300 Knightsbridge Pkwy - Pit Ladder Inspection	80.00

CUSTOM INVOICE REPORT FOR VILLAGE OF LINCOLNSHIRE
INVOICE DUE DATES 11/15/2016 - 11/28/2016
JOURNALIZED
BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: ELEVATOR INSPECTION SERVICES		
	TOTAL VENDOR ELEVATOR INSPECTION SERVICES	160.00
VENDOR NAME: EMPLOY TEST		
3337825700	CED Administrative Assistant Testing	200.00
	TOTAL VENDOR EMPLOY TEST	200.00
VENDOR NAME: FEDEX OFFICE		
105800007876	Laminate info map for BooBash entrance area	22.97
	TOTAL VENDOR FEDEX OFFICE	22.97
VENDOR NAME: GRAINGER, INC		
9273348103	Plow hydro connectors and cable ties	752.17
	TOTAL VENDOR GRAINGER, INC	752.17
VENDOR NAME: GREEN ACRES LANDSCAPING		
2016-3713	Weekly maint, streets, parks & buildings	16,255.00
2016-3352	Arbor day trees. top dress with soil & mulch	476.00
	TOTAL VENDOR GREEN ACRES LANDSCAPING	16,731.00
VENDOR NAME: HACH COMPANY		
10178597	Chlorine analyzer	493.67
	TOTAL VENDOR HACH COMPANY	493.67
VENDOR NAME: HALLOWEEN ASYLUM		
HA42712	Halloween decorations for Boo Bash	162.67
	TOTAL VENDOR HALLOWEEN ASYLUM	162.67
VENDOR NAME: HALLOWEEN CITY		
3022687206	Halloween decorations for Boo Bash	182.24
	TOTAL VENDOR HALLOWEEN CITY	182.24
VENDOR NAME: HAYES MECHANICAL LLC		
377558	VH AC service call 8/30 & 8/31, locking out, tripping	5,427.48
	TOTAL VENDOR HAYES MECHANICAL LLC	5,427.48
VENDOR NAME: HIGHLAND PARK, CITY		
010222-10-16	10/2016 Water Purchase 39921 cuft Metr 010222	76,568.48
02324-09-2016	Water testing July-Sept 2016 33 samples @ \$15	495.00
70327541-10-16	10/2016 Water Purchase 6361 cuft Metr 70327541	12,200.40
	TOTAL VENDOR HIGHLAND PARK, CITY	89,263.88
VENDOR NAME: HOERR CONSTRUCTION,		
116-835	Sewer lining for sanitary and storm sewers at unit b	135,099.67
	TOTAL VENDOR HOERR CONSTRUCTION,	135,099.67
VENDOR NAME: HOVING CLEAN SWEEP, LLC		
12287	Street sweeping	3,605.00
	TOTAL VENDOR HOVING CLEAN SWEEP, LLC	3,605.00
VENDOR NAME: ILLINOIS DEPARTMENT		
Pesticide appl-Byrne	Pesticide application fee for Rob Byrne	20.00
Pesticide appl fee	Pesticide application fee for Tim Baynor	20.00
	TOTAL VENDOR ILLINOIS DEPARTMENT	40.00
VENDOR NAME: IMPERIAL SURVEILLANCE, INC.		
152195	Village Hall/Police Camera and DVR System - 50%	8,495.00
	TOTAL VENDOR IMPERIAL SURVEILLANCE, INC.	8,495.00
VENDOR NAME: IPRF		
40576	Workers Comp and Admin Fee- Jan	13,162.00

CUSTOM INVOICE REPORT FOR VILLAGE OF LINCOLNSHIRE
INVOICE DUE DATES 11/15/2016 - 11/28/2016
JOURNALIZED
BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: IPRF		
	TOTAL VENDOR IPRF	13,162.00
VENDOR NAME: IRENTPROJECTORS		
6394	Over the Air TV Setup for Boo Bash	99.00
6335	Boo Bash Movie Rental	334.00
	TOTAL VENDOR IRENTPROJECTORS	433.00
VENDOR NAME: KOVICIL CONSTRUCTION CO., INC.		
001-Final	NP culvert replacement 1st & final invoice	77,152.80
	TOTAL VENDOR KOVICIL CONSTRUCTION CO., INC.	77,152.80
VENDOR NAME: LAKE COUNTY ILLINOIS CONV & VIS BUR		
1564	Visit Lake - LF Oasis Kiosk Advertising Service	825.00
	TOTAL VENDOR LAKE COUNTY ILLINOIS CONV & VIS B	825.00
VENDOR NAME: LAKE COUNTY PUBLIC WORKS		
P16-0145B	Swr Cnt at 15-22-405-007, Com, 900 Milwaukee Av	4,422.60
P16-0156B	Swr Cnt at 15-22-406-002, Res, 315 Camberley Lr	3,780.00
P16-0150B	Swr Cnt at 15-22-406-002, Res, 311 Camberley Lr	3,780.00
P16-0152B	Swr Cnt at 15-22-406-002, Res, 413 Highcroft Way	3,780.00
P16-0138B	Swr Cnt at 15-22-406-002, Res, 342 Camberley Lr	3,780.00
P16-0141B	Swr Cnt at 15-22-406-002, Res, 348 Camberley Lr	3,780.00
P16-0140B	Swr Cnt at 15-22-406-002, Res, 346 Camberley Lr	3,780.00
P16-0148B	Swr Cnt at 15-23-302-002, Res, 236 Belmont Dr	3,780.00
P16-0147B	Swr Cnt at 15-23-302-002, Res, 234 Belmont Dr	3,780.00
P16-0146B	Swr Cnt at 15-23-302-002, Res, 232 Belmont Dr	3,780.00
P16-0155B	Swr Cnt at 15-22-406-002, Res, 417 Highcroft Way	3,780.00
P16-0151B	Swr Cnt at 15-22-406-002, Res, 411 Highcroft Way	3,780.00
P16-0157B	Swr Cnt at 15-22-406-002, Res, 317 Camberley Lr	3,780.00
P16-0139B	Swr Cnt at 15-22-406-002, Res, 344 Camberley Lr	3,780.00
LCPW-10312016	Sanitary sewer treatment 9/16/16 to 10/15/16	160,304.00
P16-0154B	Swr Cnt at 15-22-406-002, Res, 313 Camberley Lr	3,780.00
P16-0149B	Swr Cnt at 15-23-302-002, Res, 238 Belmont Dr	3,780.00
P16-0153B	Swr Cnt at 15-22-406-002, Res, 415 Highcroft Way	3,780.00
	TOTAL VENDOR LAKE COUNTY PUBLIC WORKS	225,206.60
VENDOR NAME: LAKE COUNTY RECORDER OF DEEDS		
2016-00065178	Recorder fee for Water-sewer documents	74.00
	TOTAL VENDOR LAKE COUNTY RECORDER OF DEEDS	74.00
VENDOR NAME: LAKE FOREST ACUTE CARE		
3239839	J. Leonas Police Pension Testing	675.00
	TOTAL VENDOR LAKE FOREST ACUTE CARE	675.00
VENDOR NAME: LAKE FOREST POST OFFICE		
18191	Q4 2016 Newsletter Postage	56.98
	TOTAL VENDOR LAKE FOREST POST OFFICE	56.98
VENDOR NAME: LALUZERNE & SMITH, LTD.		
October 2016	Legal Services - October 2016	2,736.25
	TOTAL VENDOR LALUZERNE & SMITH, LTD.	2,736.25
VENDOR NAME: LIBERTY PRAIRIE RESTORATIONS LLC		
510	174.5hr labor treating invasive plants per agreement	7,852.50
	TOTAL VENDOR LIBERTY PRAIRIE RESTORATIONS LL	7,852.50
VENDOR NAME: LINCOLNSHIRE POSTMASTER		
18191	Q4 2016 Newsletter	556.25
	TOTAL VENDOR LINCOLNSHIRE POSTMASTER	556.25
VENDOR NAME: LINCOLNSHIRE RIVERWOODS FPD		
3480	Plan Review - Loft 21 Fire Sprinkler - 1501 Milwauk	870.00
3481	Plan Review - Loft 21 Fire Alarm - 1501 Milwaukee	706.00

CUSTOM INVOICE REPORT FOR VILLAGE OF LINCOLNSHIRE
INVOICE DUE DATES 11/15/2016 - 11/28/2016
JOURNALIZED
BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: LINCOLNSHIRE RIVERWOODS FPD		
	TOTAL VENDOR LINCOLNSHIRE RIVERWOODS FPD	1,576.00
VENDOR NAME: LINCOLNSHIRE VILLAGE-PETTY CASH		
11282016	Petty Cash Reimbursements 11/28/16	187.15
	TOTAL VENDOR LINCOLNSHIRE VILLAGE-PETTY CASH	187.15
VENDOR NAME: LOWE'S		
902244	GFI outlets, covers and citronella oil for Boo bash.	173.74
	TOTAL VENDOR LOWE'S	173.74
VENDOR NAME: MCMASTER-CARR SUPPLY		
87105813	Stainless steel cotter pin and clevis pin	57.09
	TOTAL VENDOR MCMASTER-CARR SUPPLY	57.09
VENDOR NAME: MICROSOFT STORE		
on line order	Surface book/pen replacement	63.74
	TOTAL VENDOR MICROSOFT STORE	63.74
VENDOR NAME: MIDWEST METER INC		
0083328-IN	M-120 gal RTR ME Integral	188.25
	TOTAL VENDOR MIDWEST METER INC	188.25
VENDOR NAME: MIDWEST WATER GROUP, INC		
8733	Automatic flushing device for North Park	3,830.06
	TOTAL VENDOR MIDWEST WATER GROUP, INC	3,830.06
VENDOR NAME: MOTOROLA SOLUTIONS - STARCOM21		
261309302016	Starcom Monthly Local Use Rate November 2016	884.00
	TOTAL VENDOR MOTOROLA SOLUTIONS - STARCOM2	884.00
VENDOR NAME: MUELLERMIST IRRIGATION CO		
69781	Irrigation system PM and maint	1,188.00
69844	Irrigation system PM and maint	277.50
	TOTAL VENDOR MUELLERMIST IRRIGATION CO	1,465.50
VENDOR NAME: MUNICAP INC		
112016-036	Oct services	305.00
	TOTAL VENDOR MUNICAP INC	305.00
VENDOR NAME: NORB & SONS ELECTRIC		
40316-A	Retrofit 2 pole lights	950.00
	TOTAL VENDOR NORB & SONS ELECTRIC	950.00
VENDOR NAME: NORTH SUBURBAN EMPLOYEE BENEFIT COO		
2016-12	December 2016 Dental	6,594.00
	TOTAL VENDOR NORTH SUBURBAN EMPLOYEE BENE	6,594.00
VENDOR NAME: NORTSHORE UNIVERSITY HEALTH SYSTEM		
20141476	BD Payment Refund - County Inspection refund	100.00
	TOTAL VENDOR NORTSHORE UNIVERSITY HEALTH S	100.00
VENDOR NAME: NORTHWEST ELECTRICAL SUPPLY		
17299152	Office light fixtures	314.36
17298191	Office light fixture replacement	392.95
	TOTAL VENDOR NORTHWEST ELECTRICAL SUPPLY	707.31
VENDOR NAME: NUTOYS LEISURE PRODU		
45351	Bolt links and long seat belt with flat seat for parks e	166.00
	TOTAL VENDOR NUTOYS LEISURE PRODU	166.00

CUSTOM INVOICE REPORT FOR VILLAGE OF LINCOLNSHIRE
INVOICE DUE DATES 11/15/2016 - 11/28/2016
JOURNALIZED
BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: PIZANOS PIZZA		
Training lunch	Lunch for PWF in house snow and ice training day	168.41
TOTAL VENDOR PIZANOS PIZZA		168.41
VENDOR NAME: PROSAFETY INC		
2/830310	Yellow slush boot for Steve Linden	25.72
TOTAL VENDOR PROSAFETY INC		25.72
VENDOR NAME: QUILL CORPORATION		
1715121	laminating pouches	49.99
1735169	pocket file folders	35.19
TOTAL VENDOR QUILL CORPORATION		85.18
VENDOR NAME: RAMIREZ COMPOST, INC.		
9047k	Leaf hauling service	20,440.00
TOTAL VENDOR RAMIREZ COMPOST, INC.		20,440.00
VENDOR NAME: RJN GROUP INC.		
03	San sewer rehab prof. services thru 10/28/16	3,225.00
TOTAL VENDOR RJN GROUP INC.		3,225.00
VENDOR NAME: RUSSO POWER EQUIPMENT		
3577734	Saw belts	55.19
TOTAL VENDOR RUSSO POWER EQUIPMENT		55.19
VENDOR NAME: SCHUFREIDER MARGUERI		
2015	Senior Citizen Property Tx Relief Refund	325.90
TOTAL VENDOR SCHUFREIDER MARGUERI		325.90
VENDOR NAME: SMITHEREEN PEST MGMT		
1421229	Pest control services-Village Hall	65.00
1423001	Pest control services PWF	93.00
1421228	Pest control services RNC	53.00
TOTAL VENDOR SMITHEREEN PEST MGMT		211.00
VENDOR NAME: SPIRIT HALLOWEEN		
501096473	Halloween decorations for Boo Bash	252.78
TOTAL VENDOR SPIRIT HALLOWEEN		252.78
VENDOR NAME: STATE TREASURER		
50827	Traffic signal maint. July - Sept. 2016	7,312.50
TOTAL VENDOR STATE TREASURER		7,312.50
VENDOR NAME: STO-COTE PRODUCTS INC.		
84572	Ice rink liner and accessories, cost to be reimb. by L	1,785.24
TOTAL VENDOR STO-COTE PRODUCTS INC.		1,785.24
VENDOR NAME: SUBWAY		
8DA85DF1-30	November 5, 2016 Special Committee of the Whole	114.49
TOTAL VENDOR SUBWAY		114.49
VENDOR NAME: THE FUN ONES		
51365	Boo Bash Bounce House	305.00
TOTAL VENDOR THE FUN ONES		305.00
VENDOR NAME: ULANOWSKI MATTHEW		
9-16-2016	Reimburse for hotel fees Sept. 11-16, 2016 to atter	395.50
TOTAL VENDOR ULANOWSKI MATTHEW		395.50
VENDOR NAME: WALGREENS		
377 4358 0021	Halloween decorations for Boo Bash	140.19

CUSTOM INVOICE REPORT FOR VILLAGE OF LINCOLNSHIRE
INVOICE DUE DATES 11/15/2016 - 11/28/2016
JOURNALIZED
BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: WALGREENS		
	TOTAL VENDOR WALGREENS	140.19
VENDOR NAME: WATER PRODUCTS CO.		
0270190	2" copper fittings	264.68
0270255	Hose nozzle, pumper nozzle, drain plunger, thrust r	499.50
	TOTAL VENDOR WATER PRODUCTS CO.	764.18
VENDOR NAME: WBK ENGINEERING LLC		
17199	Linc Creek drainage impr prof. services thru 10/29/	4,884.65
	TOTAL VENDOR WBK ENGINEERING LLC	4,884.65
VENDOR NAME: XEROX CORPORATION		
086760296	Meme copier - 9/21/16 to 10/21/16	337.97
086760294	Nemo copies 9/21/16 to 10/21/16	57.00
086760297-base	Coco base charge 9/21 to 10/21/16	178.00
086760297-overage	Coco overages 9/21 to 10/21/16	243.31
086760295	Police Copier October 2016 Service	85.00
	TOTAL VENDOR XEROX CORPORATION	901.28
GRAND TOTAL:		690,125.75

**REQUEST FOR BOARD ACTION
Regular Village Board
November 28, 2016**

Subject:	The Gardner School, 250 Barclay Blvd.
Action Requested:	Approval of an Ordinance Granting a Special Use for a Commercial Service Activity (Child Daycare Facility, The Gardner School)
Petitioner:	The Gardner School/Viking Development, LLC
Originated By/Contact:	Tonya Zozulya, Economic Development Coordinator Department of Community & Economic Development
Advisory Board Review:	Zoning Board and Architectural Review Board

On October 14, 2016, the Village Board considered the petitioner's request regarding a new Special Use permit for the establishment and operation of a child daycare at 250 Barclay Blvd. The Village Board was in support of the all-brick building design and allowed the petitioner an opportunity to make further architectural enhancements to the building exterior, based on their vision, for the Board's consideration.

Proposed Revisions:

As stated in the attached cover letter, the petitioner added corbels and a contrasting soldier course band to all four building elevations as well as redesigned the front entrance in a portico style to better reflect the school brand and break up the brick material (see renderings labeled "Enhancement Option 1A - 11/28/16 RVB"). The petitioner has also provided the original elevations for comparison purposes (labeled "Original Option 1 - 11/14/16 COW").

Recommendation:

Approval of an Ordinance Granting a Special Use for a Commercial Service Activity (Child Daycare Facility) for the Gardner School.

Reports and Documents Attached:

- Draft Special Use Ordinance, prepared by Village Attorney Simon.
- Cover letter, prepared by Bryan Slonsky of Norr, dated November 16, 2016.
- Presentation packet containing enhanced building elevations, submitted by Norr and Woolpert.
- October 14, 2016 COW staff memorandum.

Meeting History	
Village Board Preliminary Evaluation (COW):	June 13, 2016
Zoning Board Meeting:	August 9, 2016
Architectural Review Board:	August 16, 2016
Architectural Review Board (continued):	October 18, 2016
Committee of the Whole:	November 14, 2016
Regular Village Board (current):	November 28, 2016

**VILLAGE OF LINCOLNSHIRE
LAKE COUNTY, ILLINOIS**

ORDINANCE NO. _____

**AN ORDINANCE GRANTING
A SPECIAL USE FOR A COMMERCIAL SERVICE ACTIVITY
(CHILD DAYCARE FACILITY)
(THE GARDNER SCHOOL)**

WHEREAS, the Zoning Board held a public hearing on August 9, 2016, notice of which was published in the Lincolnshire Review on July 21, 2016, on an application from The Gardner School (“Applicant”), as contract purchaser of the property located at 250 Barclay Boulevard, Property Index Number (PIN) 15-22-101-020 (the “Subject Property”) and which is more specifically described in Exhibit A, attached hereto and incorporated by reference, and with the consent of Northgate Investment Inc., owner of the Subject Property (“Owner”), for a special use permit to operate a Commercial Service Activity/Day Care Facility in the O/Ic zoning district (“Special Use Application”);

WHEREAS, the aforesaid public hearing was held pursuant to legal notice as required by law and all persons desiring an opportunity to be heard were given such opportunity at said public hearing;

WHEREAS, the Zoning Board has heretofore submitted to the Mayor and Board of Trustees its findings of fact and recommendations related to the Special Use Application;

WHEREAS, the Architectural Review Board held a public meeting pursuant to legal notice as required by law on August 16, 2016 and October 18, 2016, for the purpose of evaluating the architectural design and site plan described in the Special Use Application; and

WHEREAS, the Architectural Review Board has heretofore submitted to the Mayor and Board of Trustees its findings and recommendations related to the Special Use Application;

WHEREAS, the Corporate Authorities have concluded that the Special Use Application, subject to and in conformance with the terms and conditions of this Ordinance, will be beneficial to the Village, will further the development of the Subject Property, and will otherwise enhance and promote the general welfare of the Village and the health, safety and welfare of the residents of the Village.

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Lincolnshire, in exercise of its home rule authority, as follows:

Section 1. Recitals and Findings.

A. The Mayor and Board of Trustees hereby confirm the truth and validity of the representations set forth in the foregoing recitals, acknowledge they are material to this Ordinance, and incorporate and make them a part of this Ordinance as though fully set forth herein. The Mayor and Board of Trustees further intend that this Ordinance shall be liberally construed so that the purpose and intent represented by the recitals shall be accomplished to the greatest extent permitted by law.

B. The Mayor and Board of Trustees have duly considered the recommendations of the Zoning Board and Architectural Review Board and hereby adopt the findings of the Zoning Board and Architectural Review Board, attached as Group Exhibit B, as the findings of the Corporate Authorities the same as though fully restated herein. All references and findings of the Zoning Board and Architectural Review Board are hereby made the findings and references of the Mayor and Board of Trustees.

Section 2. Special Use.

A. **Special Use Amendment.** The Applicant is hereby granted a special use permit for the operation of a Commercial Service Activity/Day Care Facility on the Subject Property in the O/Ic zoning district, subject to the following conditions and restrictions:

1. The Gardner School must obtain all applicable approvals for daycare facility and playground areas from Illinois Department of Children & Family Services (DCFS) and other appropriate licensing authorities prior to building occupancy.
2. Any increase in daycare enrollment beyond 206 children and any changes to the playground area location or other site plan changes shall be approved only by Special Use amendment.

Section 3. Superseding Effect. The specific terms and conditions of this Ordinance shall prevail against other existing ordinances of the Village to the extent of any conflicts. Except for the foregoing limitation, the development of the Subject Property remains subject to all terms and conditions of applicable codes and ordinances of the Village of Lincolnshire including, without limitation, sign ordinances, building codes, subdivision regulations and regulations concerning the construction and design of public improvements.

Section 4. Penalties. Any person violating the terms and conditions of this Ordinance shall be subject to a penalty not exceeding Five Hundred Dollars (\$500.00) with each and every day that the violation of the Ordinance is allowed to remain in effect being deemed a complete and separate offense. In addition, the appropriate authorities of the Village may take such other action as they deem proper to enforce the terms and conditions of this Ordinance, including, without limitation, an action in equity to compel compliance with its terms. Any person violating the terms of this Ordinance shall be subject, in addition to the foregoing penalties, to the payment of court costs and

reasonable attorneys' fees. This section shall not apply to the Village of Lincolnshire, its officials, agents or employees.

Section 5. Enforcement. The Subject Property shall be made available for inspection by any department of the Village at all reasonable times for compliance with this Ordinance and any other applicable laws or regulations.

Section 6. Effective Date; Assent. This Ordinance shall be in full force and effect from and after its passage, approval and publication in pamphlet form as provided by law, provided, however, that this Ordinance shall not take effect until a true and correct copy of this Ordinance is executed by the Owner and Applicant, or such other parties in interest as the Village may reasonably identify, consenting to and agreeing to be bound by the terms and conditions of this Ordinance. Delivery to the Village of a copy of this Ordinance, as so executed, shall take place not later than sixty (60) days after the passage and approval of this Ordinance by the Corporate Authorities or within such extension of time as may be granted by the Corporate Authorities by motion.

Section 7. Consents. By signing the acknowledgement and accepting the terms and conditions of this Ordinance, the Applicant knowingly and voluntarily waives, for itself and its successors and assigns, any and all claims against the Village, its elected and appointed officers, employees and agents, of whatever kind, nature and amount, resulting from the limitations on the use of the Subject Property applied by Section 2 of this Ordinance. Notwithstanding the foregoing, nothing in this Ordinance shall be deemed to waive the ability for the Applicant, or its successors and assigns, to petition the Village, from time to time, for other and further zoning and subdivision approvals.

PASSED this ____ day of _____, 2016, by the Corporate Authorities of the Village of Lincolnshire on a roll call vote as follows:

AYES:

NAYS:

ABSTAIN:

ABSENT:

APPROVED this ____th day of _____, 2016.

Mayor

ATTEST:

Village Clerk

Published by me in pamphlet form

this ____ day of _____, 2016.

Village Clerk

EXHIBIT A

LEGAL DESCRIPTION OF THE SUBJECT PROPERTY

LOT 12 IN LINCOLN CORPORATE CENTER, BEING A SUBDIVISION OF PORTIONS OF SECTIONS 15, 22 AND 27, TOWNSHIP 43 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN AND A RESUBDIVISION OF PORTIONS OF LOTS 1 TO 6, IN CHICAGOLAND AIRPORT SUBDIVISION UNIT 2, ACCORDING TO THE PLAT OF SAID LINCOLNSHIRE CORPORATE CENTER RECORDED FEBRUARY 27, 1981 AS DOCUMENT 2102385 AND AMENDED BY INSTRUMENT RECORDED FEBRUARY 27, 1981 AS DOCUMENT 2102386, IN LAKE COUNTY, ILLINOIS.

P.I.N. 15-22-101-020

Common address: 250 Barclay Boulevard, Lincolnshire, Illinois, 60069

GROUP EXHIBIT B

FINDINGS OF FACT

(Attached)

GROUP EXHIBIT C
ARCHITECTURAL AND SITE PLANS

November 16, 2016

Mayor Elizabeth Brandt
Mayor of the Village of Lincolnshire
One Olde Half Day Road
Lincolnshire, IL 60069

RE: The proposed Gardner School at 250 Barclay Blvd

Dear Mayor Elizabeth Brandt,

The purpose of this letter is to outline the changes that have been made to the proposed Gardner School at 250 Barclay Blvd after the Village Board Meeting as a Whole on Monday, November 14th. The changes listed in this letter take into consideration the input from the village staff, village zoning board, and the village architectural review board.

Exterior Design Option 1A:

Corbels have been added at the design

The integration of corbels is a typical design element for The Gardner School. Incorporating them strategically into the design will help with their identity by including a brand standard.

A soldier course in a slightly contrasting tone has been added to the design

The contrasting soldier course band is intended to break up the larger masses of brick using a material that is consistent with rest of the building.

The entry has been slightly redesigned as a portico

The stone wainscoting has been raised approximately eight inches and the wing walls flanking the entry have been revised to columns. The slight modifications are intended to further identify this element as the main entry and focal point of the building. Similar to the integration of the corbels, the entry portico is also a typical design element for The Gardner School and will help with their identity by including this brand standard.



Thank you for your continued attention to our project and we look forward to your additional feedback.

Sincerely,

A handwritten signature in black ink that reads "Bryan Slonski". The signature is written in a cursive style with a prominent initial 'B'.

Bryan Slonski
Project Manger
NORR

Enhanced Option 1A - 11/28/16 RVB



OPTION 1A EAST ELEVATION

NORR
NORTH OREGON REGIONAL
RENEWAL

250 BARCLAY BLVD | LINCOLNSHIRE, IL



The Gardner School
An Academically Focused Preschool
Ages 6 Weeks to 5 Years

Enhanced Option 1A - 11/28/16 RVB

OPTION 1A EAST ELEVATION

NORR
NORTHWESTERN
UNIVERSITY

250 BARCLAY BLVD | LINCOLNSHIRE, IL



The Gardner School
An Academically Focused Preschool
Ages 6 Weeks to 5 Years

Original Option 1 - 11/14/16 COW



The Gardner School
An Academically Focused Preschool
 Ages 6 Weeks to 5 Years

Original Option 1 - 1/14/16 COW

OPTION 1 EAST ELEVATION

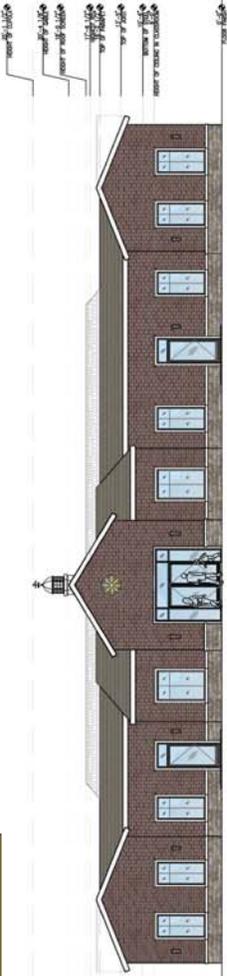
NORR
NORTHWESTERN
ARCHITECTS

250 BARCLAY BLVD | LINCOLNSHIRE, IL

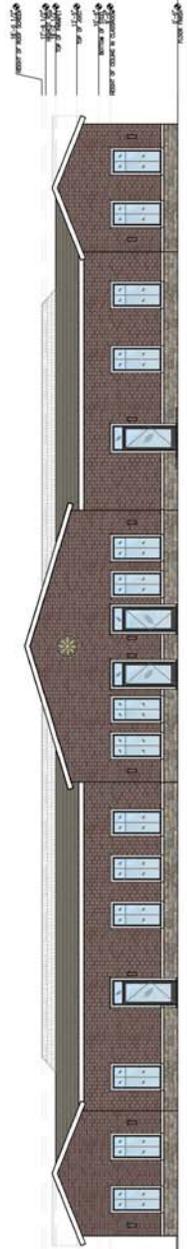


The Gardner School
An Academically Focused Preschool
Ages 6 Weeks to 5 Years

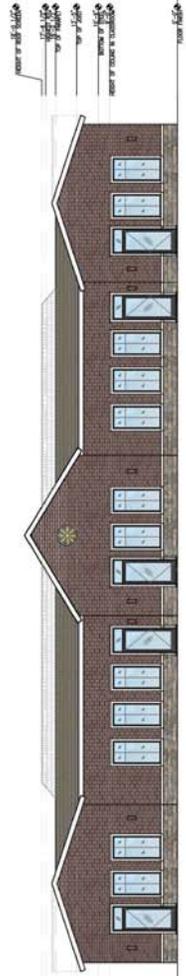
Original Option 1 - 11/14/16 COW



21 EAST ELEVATION (OPTION 1)
SCALE: 1/8"=1'-0"



22 NORTH ELEVATION (OPTION 1)
SCALE: 1/8"=1'-0"



23 WEST ELEVATION (OPTION 1)
SCALE: 1/8"=1'-0"



24 SOUTH ELEVATION (OPTION 1)
SCALE: 1/8"=1'-0"



NORR
ARCHITECTS
1000 WEST 10TH AVENUE
SUITE 100
DENVER, CO 80202
TEL: 303.733.1100
WWW.NORRARCHITECTS.COM



DUNAWAY
ARCHITECTS
1000 WEST 10TH AVENUE
SUITE 100
DENVER, CO 80202
TEL: 303.733.1100
WWW.DUNAWAYARCHITECTS.COM

THIS DOCUMENT IS
PROPERTY OF NORR
ARCHITECTS. IT IS NOT
TO BE REPRODUCED,
COPIED, REPRODUCED,
OR TRANSMITTED IN ANY
FORM OR BY ANY
MEANS, ELECTRONIC OR
MECHANICAL, INCLUDING
PHOTOCOPYING, RECORDING,
OR BY ANY INFORMATION
SYSTEM.

THE GARDNER SCHOOL
250 BARCLAY BLVD
LINCOLNSHIRE, IL 60069

REVISION

SHEET TITLE

SHEET NO
A050
ELEVATIONS

FINDINGS OF FACT FOR SPECIAL USE

250 Barclay Blvd. Lincolnshire, IL 60069

1. *The special use will not be injurious to the use and enjoyment of other property in the immediate vicinity of the subject premises for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood in which it is to be located.*

We have no reason to believe that our special use will have a negative impact on our property or the properties in the immediate vicinity. Our team has been working diligently to address the concerns of the Village Internal Development Review Team, and incorporating their comments to ensure the project provides a positive influence to adjacent property values and to the Village of Lincolnshire as a whole.

2. *The establishment of the special use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.*

We have no reason to believe that our use will impede the normal day to day functions of the surrounding properties. The operations of this day care allow for staggered drop off, this means that there will not be an overload of traffic at any one particular time but instead a steady stream of cars. We have included 15-min pick up/drop off spots close to the entrance to encourage expedited movement through the site

3. *Adequate utilities, access roads, drainage and/or necessary facilities have been or will be provided.*

We are working closely with the Village of Lincolnshire as well as the proper utility providers to ensure the site is equipped with adequate utilities, access roads, drainage and/ or other necessary facilities.

4. *Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.*

We are providing more than the required number of parking spaces in addition to 15-min pick up/drop off spots. As per village request, site circulation has been developed so the traffic flow is now a one way in and one way out. The exit is in excess of 250' away from the entrance which we are confident will help alleviate congestion.

5. *The proposed special use is not contrary to the objectives of the Official Comprehensive Plan of the Village as amended.*

We strongly feel that the special use will help to strengthen the objectives of the Village comprehensive plan. By allowing a day care that places the emphasis of their curriculum on early childhood learning and rigorous academics, this strengthens the educational services that are offered to the community.

6. *The special use shall, in all other respects, conform to the applicable regulations of the district in which it is located, except as such regulations may, in each instance, be varied pursuant to Section 6-14-9 of this Chapter.*

We are working closely with all appropriate parties to ensure the project conforms to all the required standards and regulations.

Prepared by:
Brian Sredojevic
NORR
325 N. LaSalle St, Suite 500
Chicago, IL 60654



SITE LEGEND

INDICATES LIGHT DUTY PAVEMENT—SEE DETAILS FOR PAVEMENT COMPOSITION
 INDICATES HEAVY DUTY PAVEMENT—SEE DETAILS FOR PAVEMENT COMPOSITION
 INDICATES ASPHALT DRIVEWAY/SIDEWALK—SEE DETAILS FOR PAVEMENT COMPOSITION
 INDICATES CONCRETE DRIVEWAY/SIDEWALK—SEE DETAILS FOR PAVEMENT COMPOSITION
 INDICATES LIGHT POLES
 EXISTING CURB AND GUTTER
 POSITIVE SLOPED CURB
 NEGATIVE SLOPED CURB
 INDICATES ROW PARKING CURB
 INDICATES PARKING TOTAL FOR SURROUNDING AREA
 PROPERTY BOUNDARY

SITE DATA

GROSS SITE AREA	2,502.2 ACRES
NET SITE AREA	2,502.2 ACRES
GROSS IMPERVIOUS SURFACE AREA	40,468 SF
GROSS AREA OF OPEN SPACE	68,400 SF
PERCENT OPEN SPACE	15-22-101-020
ZONING	O/R
FAR	0.147

BUILDING DATA

TOTAL GROSS AREA OF ALL BUILDINGS (ONE USE, DAYCARE)	16,248 SF
BUILDING HEIGHT MAX (AT CURB/LA)	25'-1 1/2"
HEIGHT AT TALLEST ROOFTOP UNIT	17'-6 1/2"
PLAYGROUND A AREA	7,618 SF
PLAYGROUND B AREA	7,618 SF

PARKING DATA

SPACES REQUIRED	1/900 SF = 33 SPACES
SPACES PROVIDED	42
EXCESS SPACES REQUIRED	2
ACCESSIBLE SPACES PROVIDED	2

SETBACK DATA

FRONT BUILDING	40'
SIDE BUILDING	25'
REAR BUILDING	30'
PARKING	8'

SITE KEY NOTES

- STOP SIGN, R1-1
- 24" WIDE STOP BAR, TRAFFIC WHITE PAINT
- ACCESSIBLE PARKING SIGN
- ACCESSIBLE PARKING SYMBOL
- ACCESSIBLE RAMP WITH DETECTABLE WARNING BROADCASTING SHALL BE 2% MAX. SLOPE IN ALL DIRECTIONS
- PAINT 4" WIDE STRIPES @ 2'-0" O.C. @ 45° ANGLE
- TRAFFIC YELLOW PAINT
- CURB AND GUTTER
- BEAM/END PROPOSED CURB AND GUTTER, SAWCUT JOINTING CURB TO PROVIDE CLEAN CONSTRUCTION
- EXISTING TRANSFORMER TO REMAIN
- DUMPSTER ENCLOSURE (SEE ARCHITECTURAL PLANS)
- CONCRETE WALK
- DIRECTIONAL ARROW, TRAFFIC WHITE PAINT
- RELOCATE EXISTING HYDRANT TO MEET DC'S REQUIREMENTS
- 6" FENCE—SEE ARCHITECTURAL PLANS. FENCE TO MEET DC'S REQUIREMENTS
- MONUMENT SIGN - SEE ARCHITECTURAL PLANS
- DEPRESSED CURB AND GUTTER
- PLAYGROUND AREA
- EXISTING DETENTION AREA
- EXISTING HYDRANT
- FIRE DEPARTMENT CONNECTION
- "DO NOT ENTER" SIGN
- FENCE—SEE ARCHITECTURAL PLANS. FENCE TO MEET DC'S REQUIREMENTS

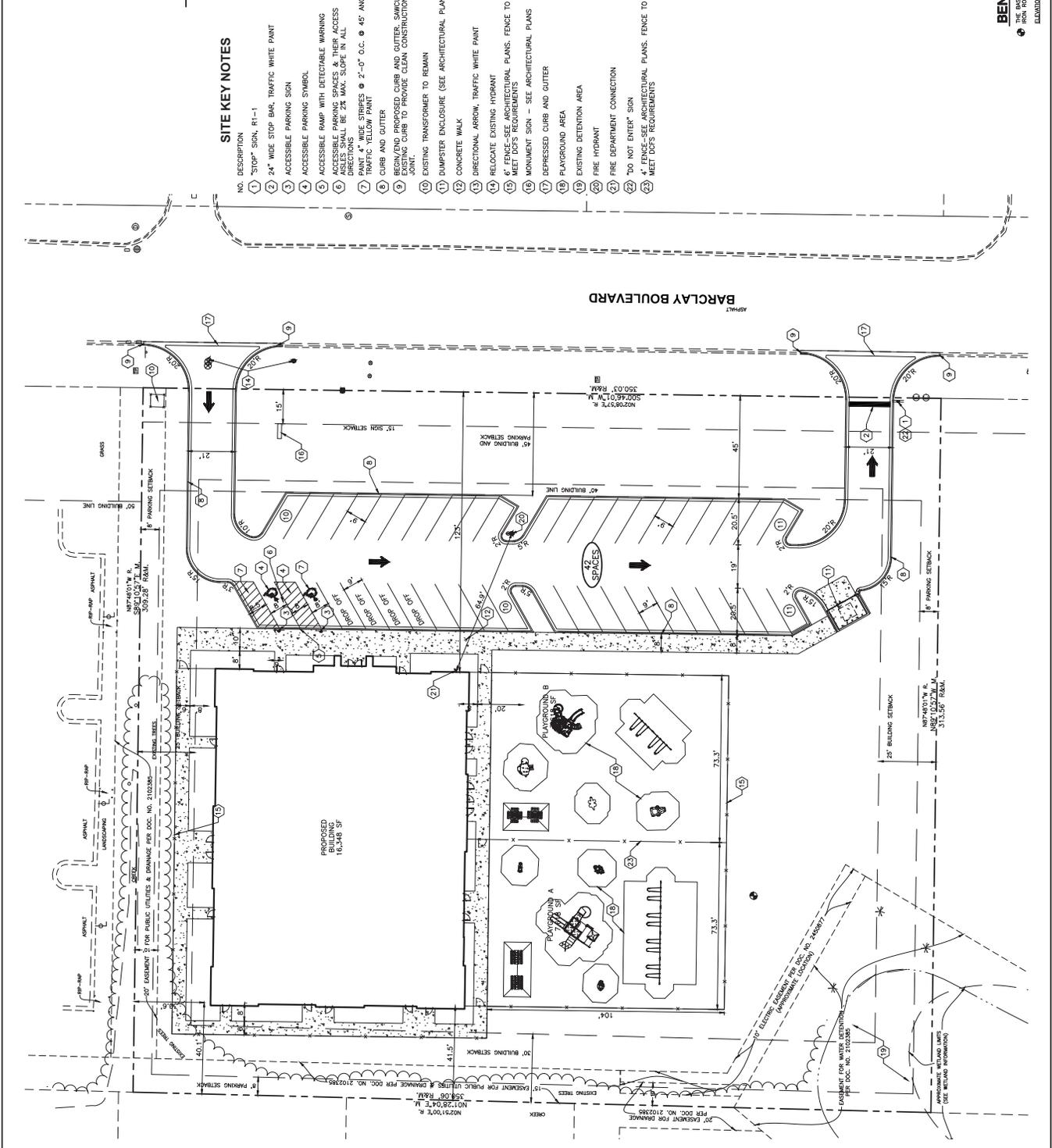
SITE NOTES

- ALL DIMENSIONS, POULI AND COORDINATES ARE TO BENCH MARK UNLESS OTHERWISE NOTED
- ALL DIMENSIONS SHALL BE WITHIN 1/8" TOLERANCE UNLESS OTHERWISE INDICATED
- ALL CURB & GUTTER SHALL BE 84.12 "POSITIVE", UNLESS NOTED OTHERWISE (SEE DETAILS).
- SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.

BENCHMARK
 THE BASIS OF ELEVATIONS HEREON IS NAVD 83. ROCK AND SET - SEE DRAWING FOR LOCATION. ELEVATION: 126.628.

Graphic Scale in Feet
 0 20 40 60

7th Edition
 Shady Call Art



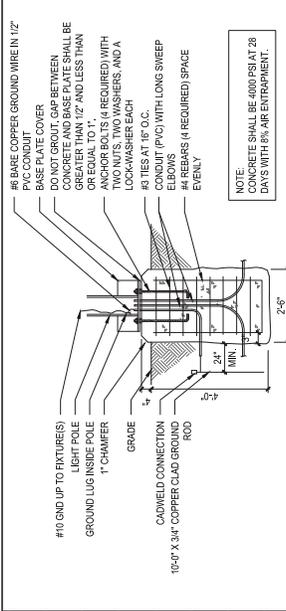


THE GARDNER SCHOOL
250 BARCLAY BLVD
LINCOLNSHIRE, IL 60069

REVISION

SHEET TITLE
PHOTOMETRIC
SITE PLAN

SHEET NO
A010

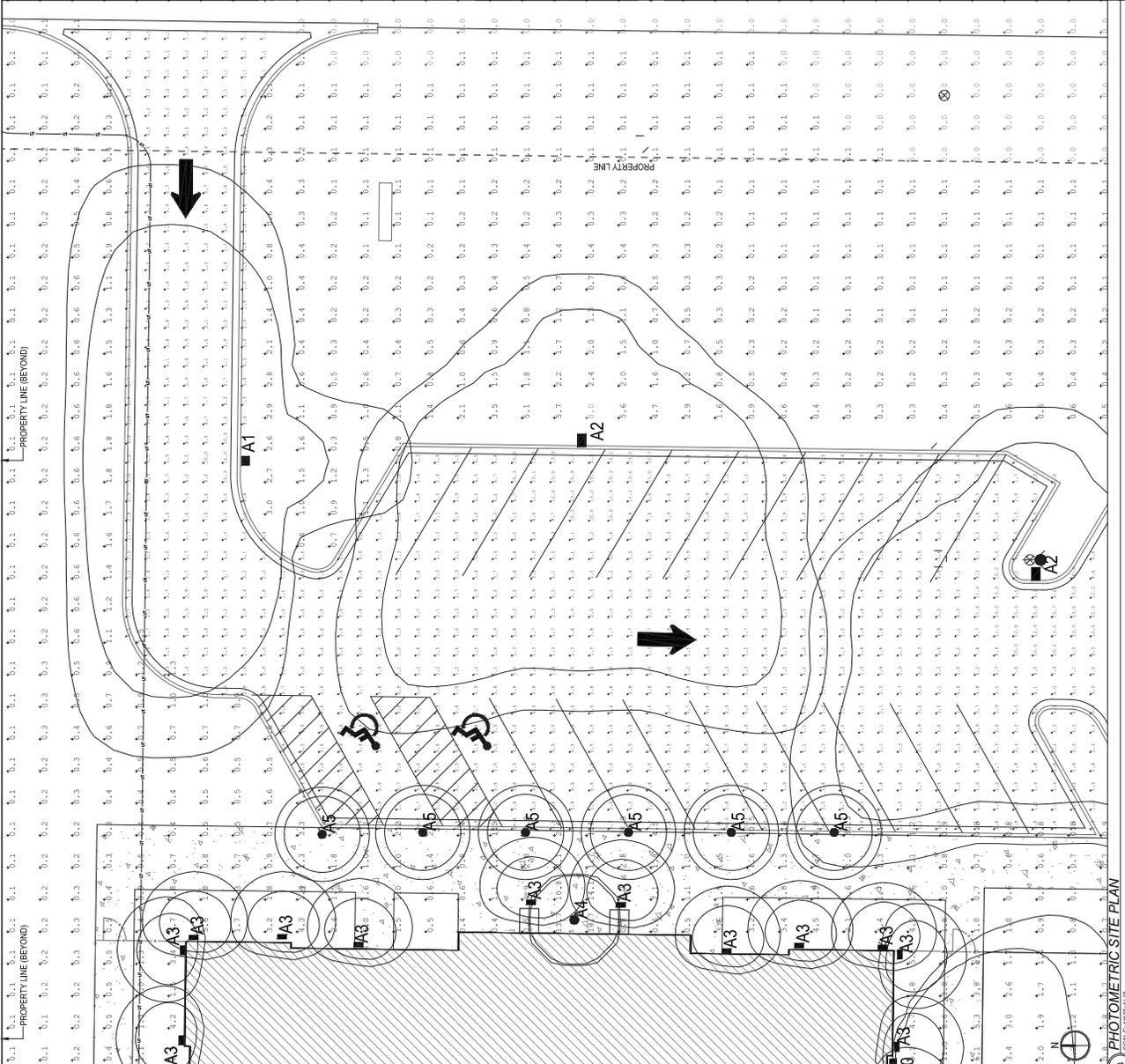
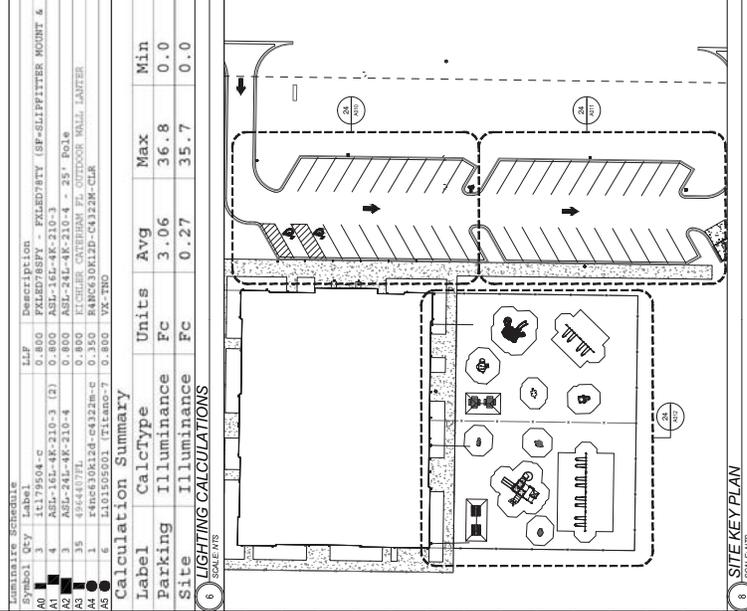


LLF	Description	Units	Avg	Max	Min
A0	FILED787Y - FILED787Y (SP-SLIPFITTER HOULT & ...)	0.000	0.000	0.000	0.000
A1	ASL-14L-4K-210-3 (2)	0.000	0.000	0.000	0.000
A2	ASL-14L-4K-210-4	0.000	0.000	0.000	0.000
A3	15' SCH 40 ECTHANE PE OUTDOOR WALL LAUNTER	0.000	0.000	0.000	0.000
A4	15' SCH 40 ECTHANE PE OUTDOOR WALL LAUNTER	0.000	0.000	0.000	0.000
A5	6' L10150501 (TITANUM?)	0.000	0.000	0.000	0.000

Calculation Summary

Label	CalcType	Units	Avg	Max	Min
Parking	Illuminance	FC	3.06	36.8	0.0
Site	Illuminance	FC	0.27	35.7	0.0

8 LIGHTING CALCULATIONS
SCALE: 1/8"=1'-0"



5 FOUNDATION DETAIL
SCALE: 1/2"=1'-0"

8 LIGHTING CALCULATIONS
SCALE: 1/8"=1'-0"

PHOTOMETRIC SITE PLAN
SCALE: 1/8"=1'-0"



NORR
 PHOTOGRAPHY
 1000 N. W. 10th Street, Suite 100
 Ft. Lauderdale, FL 33304
 (954) 561-1111
 www.norrphoto.com

MA
 MASONRY
 1000 N. W. 10th Street, Suite 100
 Ft. Lauderdale, FL 33304
 (954) 561-1111
 www.masonry.com

DUNAWAY
 CONSULTING ENGINEERS
 1000 N. W. 10th Street, Suite 100
 Ft. Lauderdale, FL 33304
 (954) 561-1111
 www.dunaway.com

THIS DOCUMENT IS THE PROPERTY OF THE CONSULTING ENGINEER. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF THE CONSULTING ENGINEER.

THE GARDNER SCHOOL
 250 BARCLAY BLVD
 LINCOLNSHIRE, IL 60069

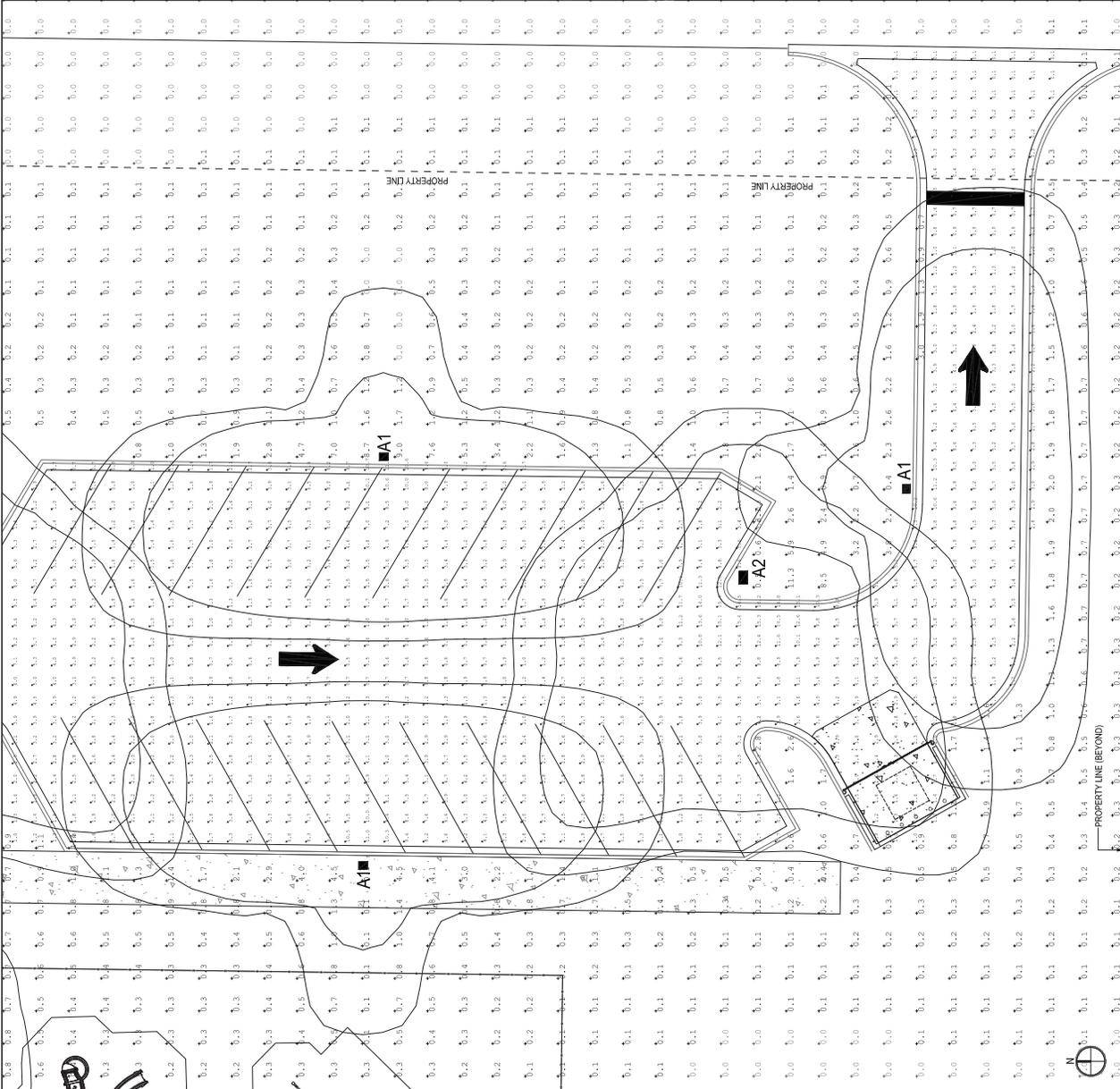
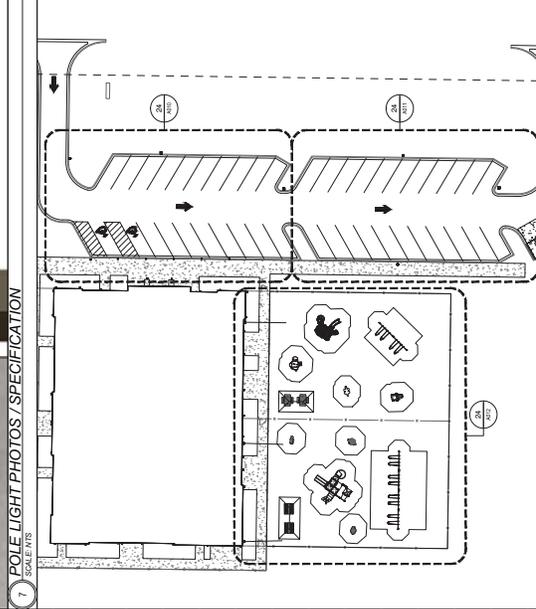
REVISION

SHEET TITLE
PHOTOMETRIC SITE PLAN

SHEET NO
A011

7 POLE LIGHT PHOTOS / SPECIFICATION
 SCALE: NTS

NOTE: COMBO LIGHT AND POLE UNIT MOUNTING HEIGHT (REQUIRED) HEIGHT: 16 FEET.



24
 SCALE: 1/8\"/>



THE GARDNER SCHOOL
250 BARCLAY BLVD
LINCOLNSHIRE, IL 60069

REVISION

SHEET TITLE
ROOFPAN

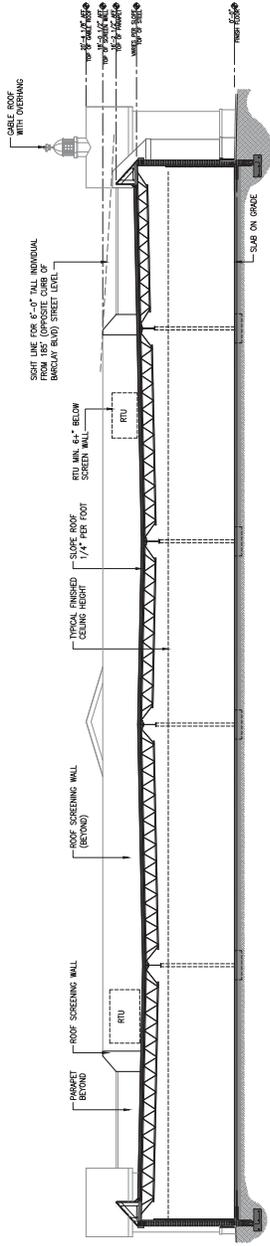
SHEET NO
A020

GENERAL NOTES:

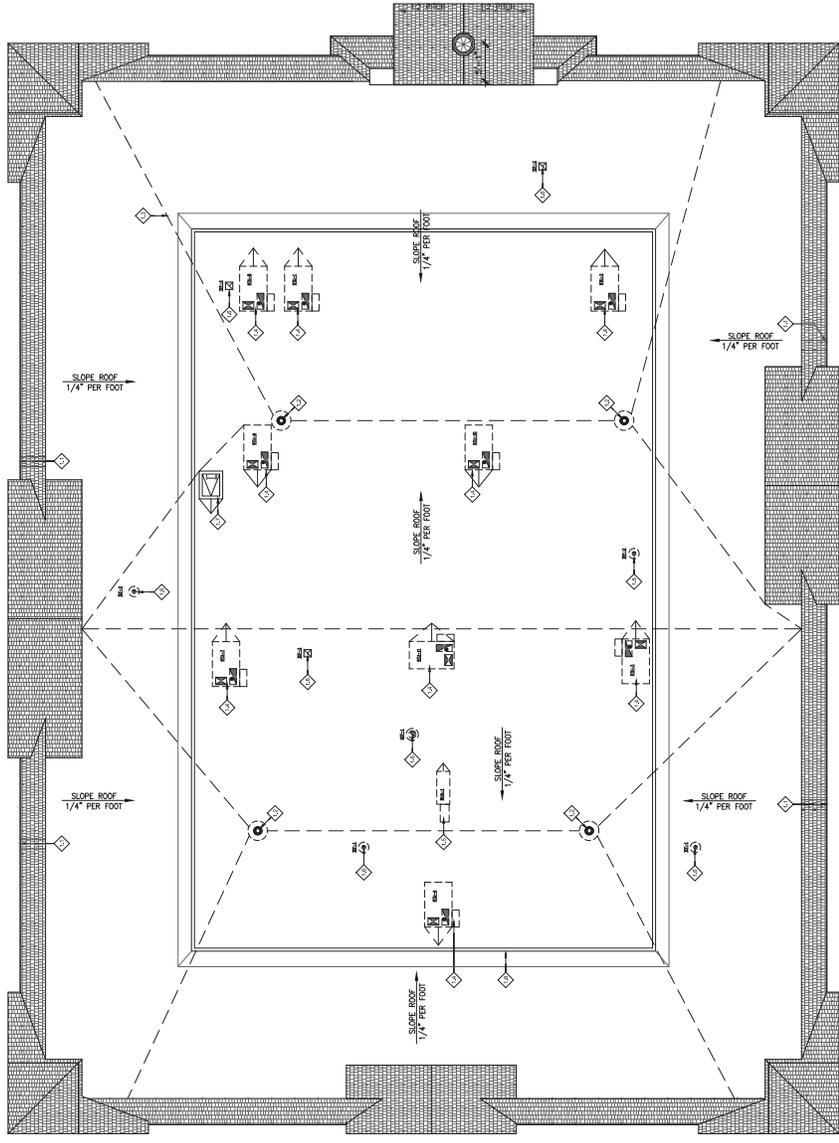
- VERIFY EXACT LOCATION OF ROOF TOP UNITS AND OTHER ROOF EQUIPMENT WITH MECHANICAL CONTRACTOR AND INTERIOR BUILD CONTRACTOR PRIOR TO CONSTRUCTION.
- INSTALL RIGID INSULATION CONCRETE AT EACH SIDE OF ALL ROOF TOP EQUIPMENT AND ROOF HATCH.
- REFER TO MECHANICAL DRAWINGS AND ARCHITECTURAL DRAWINGS FOR ROOF PENETRATION LOCATIONS, DETAILS, AND INTERIOR BUILD-OUT DRAWINGS FOR OTHER EQUIPMENT LOCATIONS.
- BASE INSULATION TO R-30 MINIMUM.
- REFER TO BUILDING AND WALL SECTIONS FOR PARAPET FINISHING DETAILS WHERE APPLICABLE. PARAPETS SHALL BE REQUIRED (1/4" PER FOOT) FOR SLOPE TO ROOF.
- MINIMUM 3" BASE INSULATION, 1/4" PARAPET INSULATION, MECHANICAL, ELECTRICAL, PLUMBING, AND ARCHITECTURAL DRAWINGS IN WRITING TO ARCHITECT IMMEDIATELY, PRIOR TO CONSTRUCTION.
- SUPPLY AND RETURN TO MECHANICAL UNITS TO BE CLEAR OF OBSTRUCTIONS (FIELD VERIFY AND COORDINATE WITH STEEL CONTRACTOR PRIOR TO SETTING OF UNITS).
- REFER TO A021 FOR MECHANICAL ROOF CURBS AND VENT PIPE FLASHINGS.
- MECHANICAL DRAWINGS FOR REFERENCES ONLY. COORDINATE WITH MECHANICAL DRAWINGS PRIOR TO CONSTRUCTION.
- ALL ROOF PENETRATIONS FOR EQUIPMENT TO BE PIPE STOPPED WITH A (UL) APPROVED SYSTEM AS WELL AS RATED WALLS IF APPLICABLE.
- ALL ROOF TOP UNITS MUST HAVE A (3-INCH) NUMBER AND A (3-INCH) LETTER IDENTIFICATION.
- ALL INTERNAL ROOF FRAMES AND ROOFS TO BE COORDINATED WITH INTERIOR PARTITIONS AND PLUMBING CONNECTIONS BELOW. PARTITION LOCATIONS TO BE BUILT OUT DRAWINGS FOR INTERIOR PARTITION LOCATIONS.
- ALL RIGID INSULATION AND ROOF MOUNTED EQUIPMENT WILL BE SCREENED BY PARAPET WALL AND WILL NOT BE VISIBLE FROM BARCLAY BLVD, AS VIEWED FROM EYE LEVEL.

KEYED NOTES:

- INDICATED BY SYMBOL.
- GENERAL:
- ROOF OVERFLOW OUTLET
 - INTERNAL ROOF DRAIN, COORDINATE WITH PARTITION BELOW
 - INDICATION OF ROOF SLOPE, TYP.
 - ROOF TOP UNIT (RTU-X) CARRIER ARTC SERIES; MAX HEIGHT PER UNIT 3'-5 3/8" MAX HEIGHT OF HIGHEST UNIT AFF= 17'-6 1/2"
 - MAKE UP AIR UNIT FAN CAPTUREWARE MODEL #876; MAX AFF= 17'-6 1/2"
 - EXHAUST FAN AFF= 17'-6 1/2"
 - ROOF ACCESS HATCH
 - ROOF SCREENING WALL



23 SCREENAGE SECTION
SCALE: 1/8" = 1'-0"



24 ROOF PLAN
SCALE: 1/8" = 1'-0"



NORR
 ARCHITECT
 250 BARCLAY BLVD
 LINCOLNSHIRE, IL 60069

weather
 225 South Main Street
 Chicago, IL 60604
 Tel: 312.467.1111
 Fax: 312.467.1111

MA
 Michael J. Anderson, AIA
 Principal
 225 South Main Street
 Chicago, IL 60604
 Tel: 312.467.1111
 Fax: 312.467.1111

DUNAWAY
 ARCHITECTS
 225 South Main Street
 Chicago, IL 60604
 Tel: 312.467.1111
 Fax: 312.467.1111

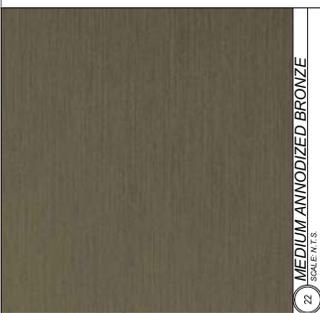
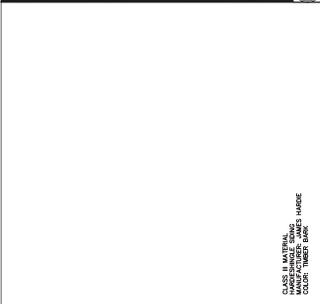
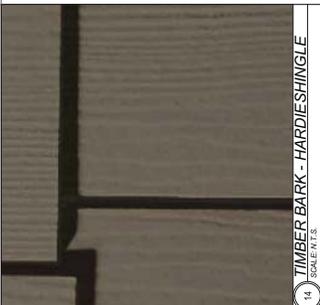
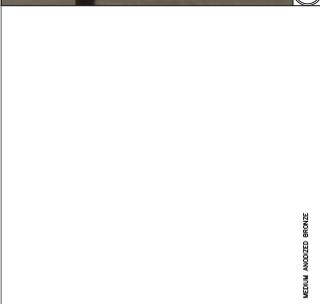
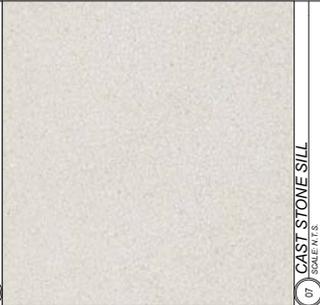
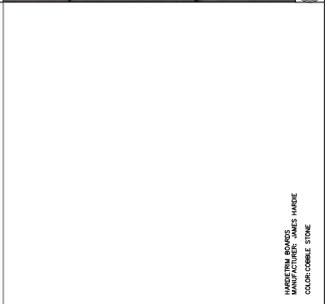
THIS DOCUMENT IS
 THE PROPERTY OF
 THE ARCHITECT.
 IT IS TO BE USED
 ONLY FOR THE PROJECT
 AND SITE SPECIFICALLY
 IDENTIFIED THEREIN.
 IT IS NOT TO BE
 REPRODUCED, COPIED,
 OR TRANSMITTED IN
 ANY FORM OR BY ANY
 MEANS, ELECTRONIC
 OR MECHANICAL,
 INCLUDING PHOTOCOPYING,
 RECORDING, OR BY ANY
 INFORMATION STORAGE
 AND RETRIEVAL SYSTEM,
 WITHOUT THE WRITTEN
 PERMISSION OF THE
 ARCHITECT.

THE GARDNER SCHOOL
 250 BARCLAY BLVD
 LINCOLNSHIRE, IL 60069

REVISION

SHEET TITLE
 MATERIAL BOARD

SHEET NO
A054

					<p>22 MEDIUM ANNOXIDIZED BRONZE <small>SCALE: N.T.S.</small></p> 
	<p>16 BLACK ALUMINUM <small>SCALE: N.T.S.</small></p> 	<p>14 TIMBER BARK - HARDIESHINGLE <small>SCALE: N.T.S.</small></p> 	<p>15 MONTEREY TAUPE - HARDIEPLANK <small>SCALE: N.T.S.</small></p> 	<p>23 BORDEAUX ENDICOTT BRICK <small>SCALE: N.T.S.</small></p> 	
<p>17 CAST STONE SILL <small>SCALE: N.T.S.</small></p> 	<p>18 TAUPE - HARDIEPLANK <small>SCALE: N.T.S.</small></p> 	<p>19 MOUNTAIN SINGLE SHAKE <small>SCALE: N.T.S.</small></p> 	<p>20 CLAYBROOK LIMESTONE <small>SCALE: N.T.S.</small></p> 	<p>21 MOUNTAIN SINGLE SHAKE <small>SCALE: N.T.S.</small></p> 	
<p>13 CAST STONE SILL <small>SCALE: N.T.S.</small></p> 	<p>14 TIMBER BARK - HARDIESHINGLE <small>SCALE: N.T.S.</small></p> 	<p>15 MONTEREY TAUPE - HARDIEPLANK <small>SCALE: N.T.S.</small></p> 	<p>16 TAUPE - HARDIEPLANK <small>SCALE: N.T.S.</small></p> 	<p>17 CAST STONE SILL <small>SCALE: N.T.S.</small></p> 	<p>18 TAUPE - HARDIEPLANK <small>SCALE: N.T.S.</small></p> 

BLACK ALUMINUM
(FOR SILL)

CAST STONE SILL
COLOR: CLON HONOR

SHAKE WITH GRAY
SHIMMER
COLOR: MOUNTAINBIRD

CLASS II MATERIAL
HARDIEPLANK - JAMES HARDIE
COLOR: TAPEL DARK

HARDIEPLANK LAP SHING / HARDIETIM
MANUFACTURER: JAMES HARDIE
COLOR: MONTEREY TAUPE

HARDIETIM SHING
MANUFACTURER: JAMES HARDIE
COLOR: CORNELL STONE

TAPE
MANUFACTURER: DUNAWAY ARCHITECTS
COLOR: MEDIUM ANNOXIDIZED BRONZE

STONE CLADDING
MANUFACTURER: ENDICOTT
COLOR: BORDEAUX ENDICOTT
AND HIGH ANNOXIDIZED BRONZE C-247A

STONE CLADDING
MANUFACTURER: ENDICOTT
COLOR: CLAYBROOK LIMESTONE
AND GRAY PLASTER GROUT



NORR
 CONSULTING
 250 Barclay Blvd., Suite 200
 Lincolnshire, IL 60069
 TEL: 847.201.1100
 WWW.NORRCONSULTING.COM

weather
 250 Barclay Blvd., Suite 200
 Lincolnshire, IL 60069
 TEL: 847.201.1100
 WWW.WEATHERCONSULTING.COM

MA
 250 Barclay Blvd., Suite 200
 Lincolnshire, IL 60069
 TEL: 847.201.1100
 WWW.MAENGINEERING.COM

DUNAWAY
 250 Barclay Blvd., Suite 200
 Lincolnshire, IL 60069
 TEL: 847.201.1100
 WWW.DUNAWAYENGINEERING.COM

THIS DOCUMENT IS
 PART OF A DESIGN
 DOCUMENT SET. IT IS NOT
 TO BE USED FOR
 CONSTRUCTION
 WITHOUT THE
 APPROVAL OF THE
 ARCHITECT.

THE GARDNER SCHOOL
 250 BARCLAY BLVD
 LINCOLNSHIRE, IL 60069

REVISION

SHEET TITLE
 PROPOSED FLOOR PLAN

SHEET NO
A101

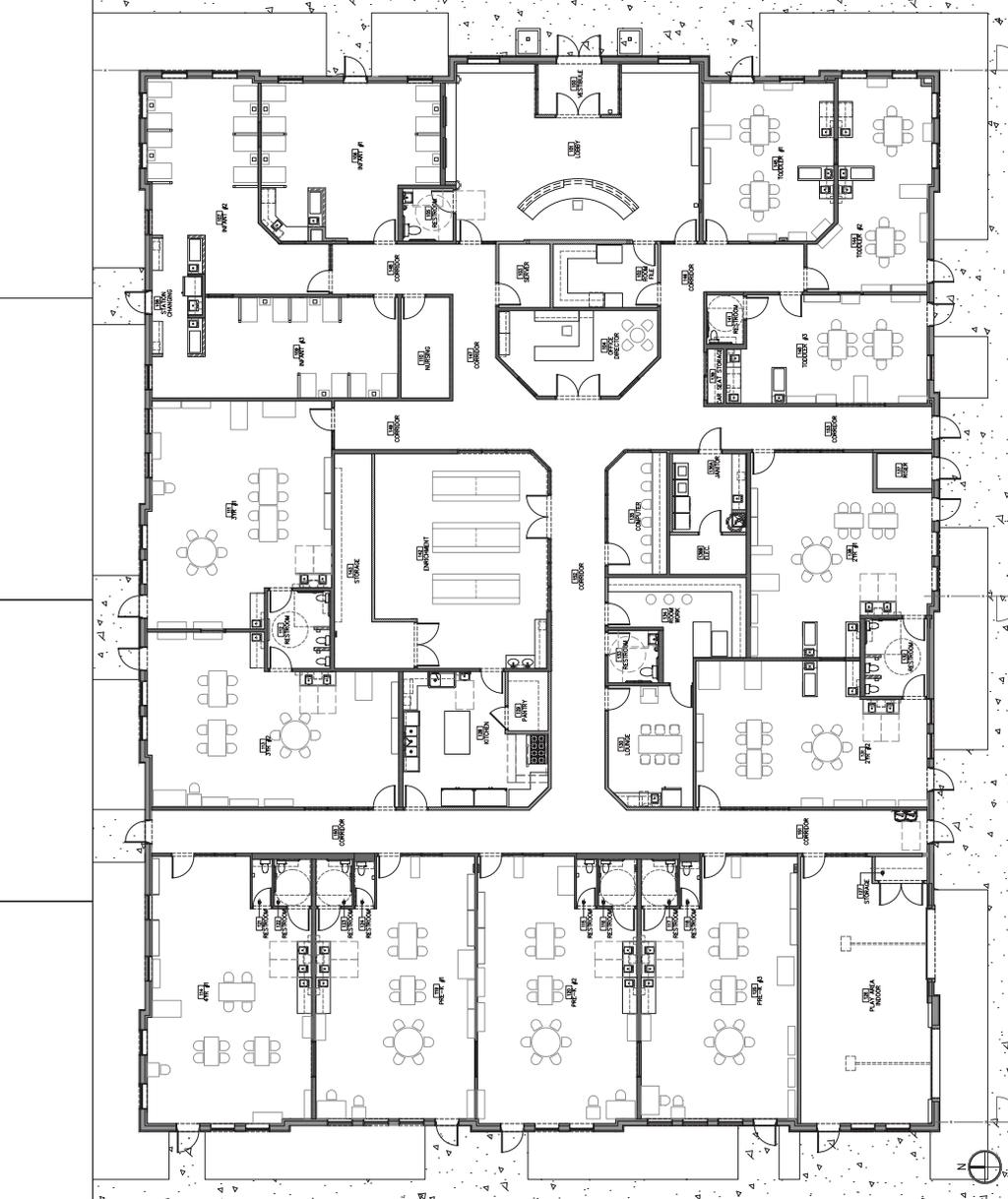
KEYED NOTES:
 INDICATED BY SYMBOL.

SYMBOLS LEGEND:

PARTITIONS LEGEND:

- WINDOW TAG
- DOOR TAG
- SECTION MARKER
- SHEET NUMBER
- PARTITION TYPE
- KEYED NOTE

- NEW CONSTRUCTION - EXTERIOR WALL
- NEW CONSTRUCTION - INTERIOR PARTITION
- NEW CONSTRUCTION - INTERIOR LOW PARTITION
- NEW CONSTRUCTION - INTERIOR PARTITION w/ e-11 SOUNDANT RELATION



PROPOSED FLOOR PLAN
 SCALE: 1/8" = 1'-0"



OPTION 1 EAST ELEVATION

NORR
NORTHWESTERN UNIVERSITY

250 BARCLAY BLVD | LINCOLNSHIRE, IL



The Gardner School
An Academically Focused Preschool
Ages 6 Weeks to 5 Years



OPTION 1 EAST ELEVATION

NORR
NORTHWEST ARCHITECTS

250 BARCLAY BLVD | LINCOLNSHIRE, IL



The Gardner School
An Academically Focused Preschool
Ages 6 Weeks to 5 Years

SITE IMPROVEMENT PLANS THE GARDNER SCHOOL

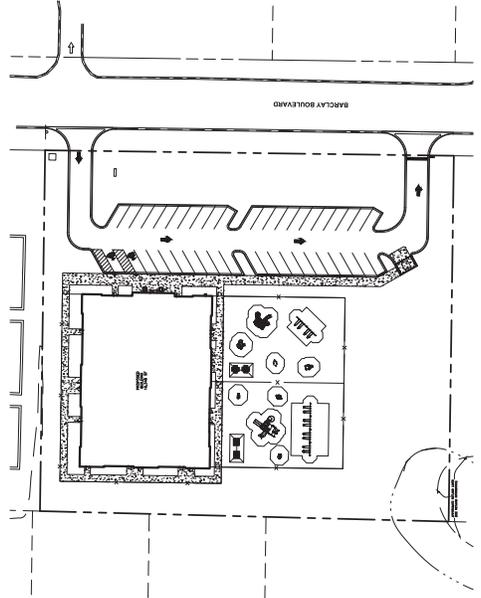
250 BARCLAY BOULEVARD
LINCOLNSHIRE, ILLINOIS
JUNE 2016

VIKING DEVELOPMENT

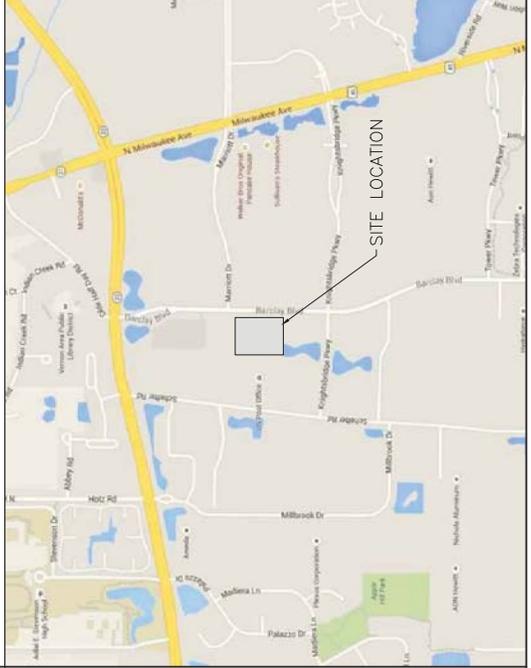
278 FRANKLIN ROAD, SUITE 100, BRENTWOOD, TN 37027

WOOLPERT
1815 South Meyers Road
Suite 120
Oakbrook Terrace, IL 60181
630.424.9080
FAX: 630.495.3731

SITE PLAN

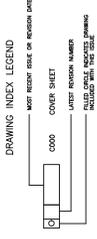


VICINITY MAP



SHEET INDEX

0000	COVER SHEET
0001	GENERAL NOTES
0100	EXISTING CONDITIONS/DEMOLITION PLAN
0200	SITE PLAN
0300	GRADING PLAN
0400	EROSION CONTROL PLAN
0500	EROSION CONTROL DETAILS
0600	UTILITY PLAN
0700	LANDSCOPE PLAN
0800	DETAILS
0900	DETAILS



NO.	DATE	REVISION
08/25/16	08/25/16	ISSUED FOR ARCHITECTURAL REVIEW BOARD
07/25/16	07/25/16	PER DRT COMMENTS

PROJECT No.: 076561

C000

GRADING LEGEND

- PROPOSED BOUNDARY
- EXISTING 1" CONTOUR
- EXISTING 5" CONTOUR
- PROPOSED 1" CONTOUR
- PROPOSED 5" CONTOUR
- PROPOSED STORM DRAIN
- CENTERLINE DRAINAGE SWALE

OVERLAND FLOW ROUTE

- PROPOSED SPOT SHOT ELEVATION
- ELEVATION AT TOP OF CURB
- ELEVATION AT TOP OF PAVEMENT
- ELEVATION AT GRADE
- ELEVATION AT TOP OF SLAB
- ELEVATION AT TOP OF WALK
- ELEVATION AT STRUCTURE RIM
- ELEVATION TO MATCH EXISTING GRADE

PROPOSED CATCH BASIN

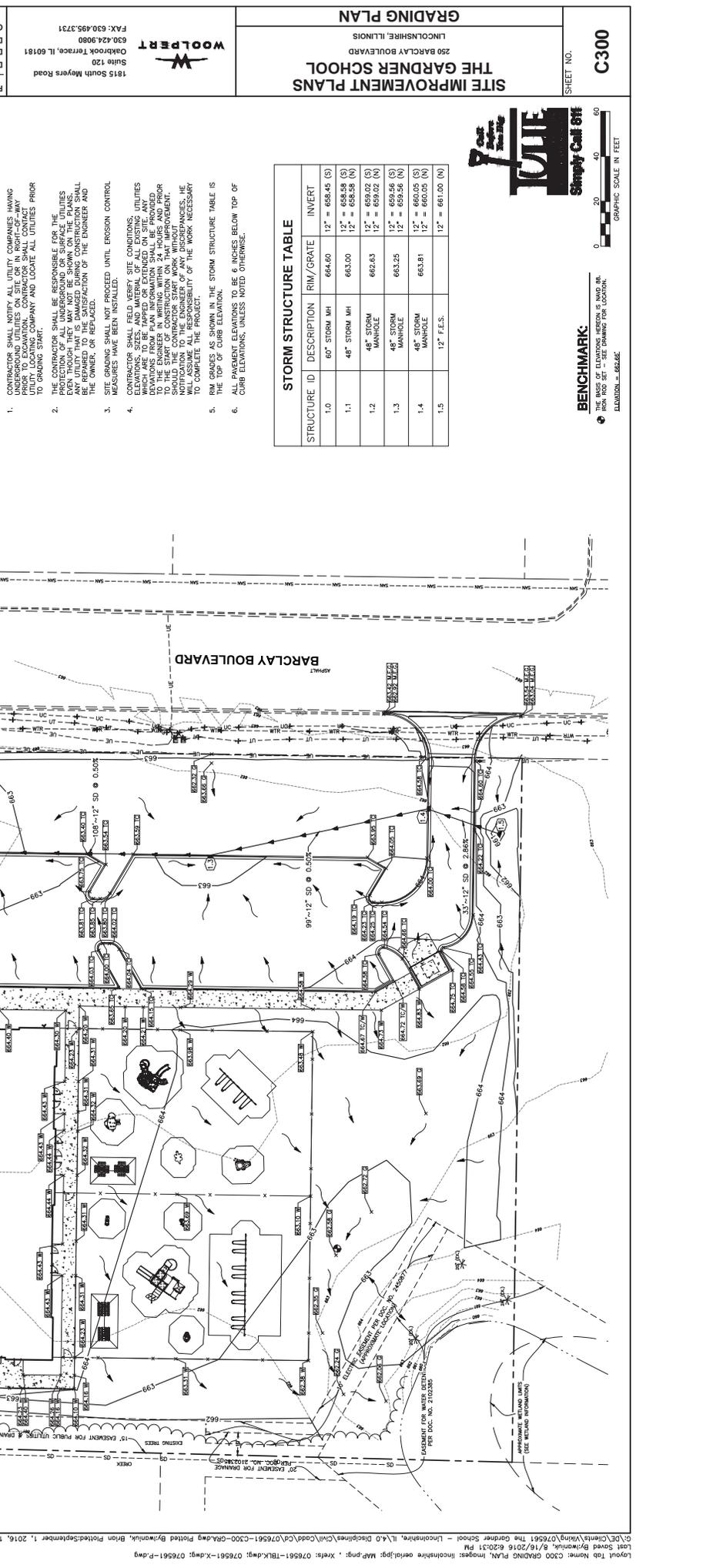
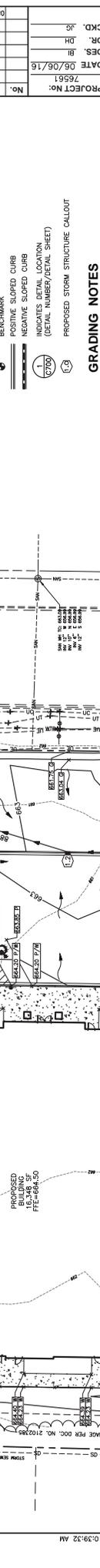
- PROPOSED CURB INLET
- PROPOSED STORM MANHOLE
- PROPOSED FLARED END SECTION
- PROPOSED CLEANOUT
- BENCHMARK
- POSITIVE SLOPED CURB
- NEGATIVE SLOPED CURB
- INDICATES DETAIL LOCATION (DETAIL NUMBER/DETAIL SHEET)
- PROPOSED STORM STRUCTURE CALLOUT

GRADING NOTES

- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES IN THE AREA PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTING ALL UNDERGROUND UTILITIES. EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS, CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES TO THE SATISFACTION OF THE ENGINEER AND THE OWNER, OR REPLACED.
- SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS, UTILITIES WHICH ARE TO BE TAPPED OR EXTENDED ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER WITHIN 24 HOURS AND PRIOR TO THE START OF CONSTRUCTION ON THAT IMPROVEMENT. NOTIFICATION TO THE ENGINEER OF ANY DISCREPANCIES, HE TO COMPLETE THE PROBABILITY OF THE WORK NECESSARY TO CORRECT THE DISCREPANCY.
- RIM GRADES AS SHOWN IN THE STORM STRUCTURE TABLE IS THE TOP OF CURB ELEVATION.
- ALL PAVEMENT ELEVATIONS TO BE 6 INCHES BELOW TOP OF CURB ELEVATIONS, UNLESS NOTED OTHERWISE.

STORM STRUCTURE TABLE

STRUCTURE ID	DESCRIPTION	RIM/GRATE	INVERT
1.0	60" STORM MH	664.60	12" = 658.45 (S)
1.1	48" STORM MH	663.00	12" = 658.58 (S)
1.2	48" STORM MANHOLE	662.83	12" = 659.02 (S)
1.3	48" STORM MANHOLE	663.25	12" = 659.56 (S)
1.4	48" STORM MANHOLE	663.81	12" = 660.05 (S)
1.5	12" F.E.S.		12" = 661.00 (N)



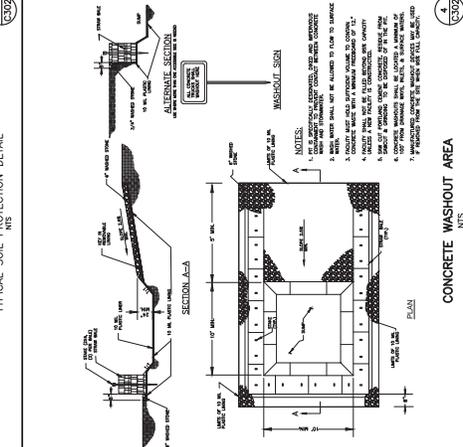
EROSION CONTROL REQUIREMENTS FOR COMPLIANCE
WITH EPA'S GENERAL PERMIT FOR CONSTRUCTION

- THE EROSION CONTROL MEASURES INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP/EROSION CONTROL PLAN AND EROSION CONTROL DETAILS) SHALL BE SEEDING, STRIP FENCING, STRAW BALE, SEDIMENT BASIN, ETC. AS SHOWN ON THIS PLAN. THE SWPPP SHALL BE SUBMITTED TO THE LOCAL HEALTH DEPARTMENT FOR REVIEW AND APPROVAL AT THE TIME OF THE CONSTRUCTION OF THE OUTFALL.
- THE CONTRACTOR SHALL CONTROL WASTES: GARBAGE, DEBRIS, WASTEWATER, AND OTHER POLLUTANTS. ALL WASTES SHALL BE STORED IN A DESIGNATED AREA. WASTEWATER SHALL BE STORED IN A DESIGNATED AREA. WASTEWATER SHALL BE STORED IN A DESIGNATED AREA. WASTEWATER SHALL BE STORED IN A DESIGNATED AREA.
- PUBLIC OR PRIVATE ROADWAYS SHALL BE KEPT CLEARED OF ACCUMULATED SEDIMENT, BULK DEBRIS, AND OTHER POLLUTANTS. SEDIMENT SHALL NOT BE FLOUSED INTO THE AREA WITH WATER. CLEANSING SEDIMENT SHALL BE STORED IN A DESIGNATED AREA. CLEANSING SEDIMENT SHALL BE STORED IN A DESIGNATED AREA.
- ALL ON-SITE STORM DRAIN INLETS SHALL BE PROTECTED AGAINST SEDIMENTATION WITH STRAW BALE, FILTER FABRIC, OR EQUIVALENT BARRIERS AS SHOWN ON THESE PLANS.
- EXCEPT AS PRESCRIBED BY INCIDENT WEATHER CONDITIONS, ALL DISTURBED AREAS TO REMAIN OPEN TO THE PUBLIC SHALL BE REVEGETATED WITH PERMANENT TURF GRASS WITH PERMANENT SOIL STABILIZATION SHALL BE PROVIDED WITHIN 7 DAYS AFTER FINAL GRADE IS ESTABLISHED.
- EROSION CONTROL MAT SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE DISTURBED AREAS. EROSION CONTROL MAT SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE DISTURBED AREAS. EROSION CONTROL MAT SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE DISTURBED AREAS.
- DURING THE PERIOD OF CONSTRUCTION ACTIVITY, ALL SEDIMENT BASINS AND OTHER EROSION CONTROL MEASURES SHALL BE MAINTAINED AND OPERATED IN ACCORDANCE WITH THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITY TO THE LOCAL ENVIRONMENTAL PROTECTION AGENCY STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, 1987, AND THE STORMWATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.
- EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH LOCAL ENVIRONMENTAL PROTECTION AGENCY STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, 1987, AND THE STORMWATER POLLUTION PREVENTION PLAN. MEASURES SHALL BE IN ACCORDANCE WITH LOCAL ENVIRONMENTAL PROTECTION AGENCY STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, 1987, AND THE STORMWATER POLLUTION PREVENTION PLAN.
- EXISTING VEGETATION SHALL BE PROTECTED AS MUCH AS PRACTICAL.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE PROJECT IS COMPLETED. TEMPORARY SEEDING, TROPIC SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.
- THIS EROSION CONTROL PLAN MUST BE RETAINED ON-SITE AT ALL TIMES DURING THE PERIOD OF CONSTRUCTION.
- STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. STRAW BALE, STRIP FENCING, ETC.) TO REMAIN IN PLACE FOR 21 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.
- ACCESS TO THE CONSTRUCTION SITE SHALL BE LIMITED TO THE STABILIZED CONSTRUCTION ENTRANCE ONLY.
- IF DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM SEDIMENT. TEMPORARY DISCHARGES SHALL BE ROUTED THROUGH APPROPRIATELY DESIGNED ENTRANCE ONLY.
- ANY DEWATERING DEVICES, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM THE SEWER AND NOT FURNISHED DOWNSTREAM.
- ANY ERODED SEDIMENT CAPTURED IN DETENTION, RETENTION, OR DEPRESSION STORAGE AREAS SHALL BE REMOVED BY THE APPLICANT BEFORE PROJECT COMPLETION.
- WIND EROSION AND CONTROLLING DUST ON THE PROJECT SITE SHALL BE ADDRESSED BY USING THE FOLLOWING METHODS (OR APPROVED EQUIVALENTS):
 - PROVIDE GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES, PARKING AREAS AND TRAVEL PATHS.
 - ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION.
- ALL STORM SEWER FRAMES AND GRATES/LDS SHALL BE MARKED WITH "DUMP NO WASTE" AND "DRAIN TO CHECK".

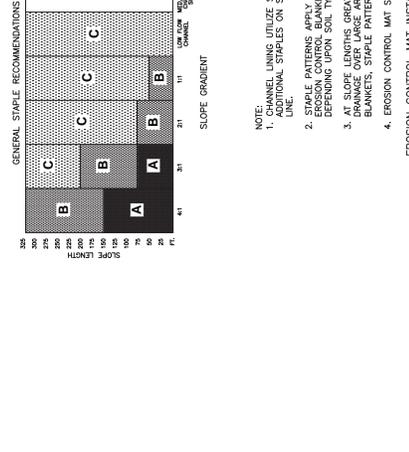
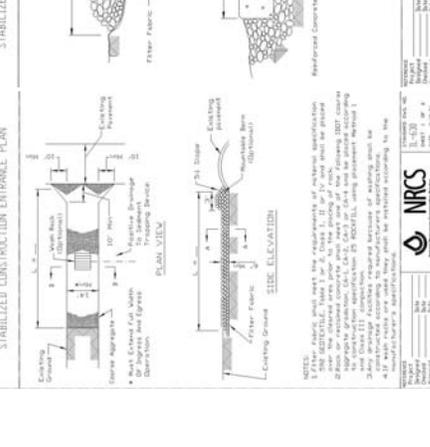
STABILIZATION TYPE/SEEDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING												
TEMPORARY SEEDING												
SODDING												
MULCHING												

- GENERAL STAPLE RECOMMENDATIONS**
- A = KENTUCKY BLUEGRASS @ 90 LBS/AC MIXED WITH PERENNIAL REGRESS @ 30 LBS/AC.
 - B = KENTUCKY BLUEGRASS @ 135 LBS/AC MIXED WITH PERENNIAL REGRESS @ 45 LBS/AC.
 - C = SPRING OATS @ 100 LBS/AC.
 - D = SOG @ 100 LBS/AC.
 - E = SOG ON GRASS TIE @ 100 LBS/AC.
 - F = IRRIGATION NEEDED DURING JUNE AND JULY
 - G = IRRIGATION NEEDED FOR 2-3 WEEKS AFTER APPLYING SOG
- REF.: SCS "WATER MANAGEMENT AND SEDIMENT CONTROL FOR URBANIZING AREAS".

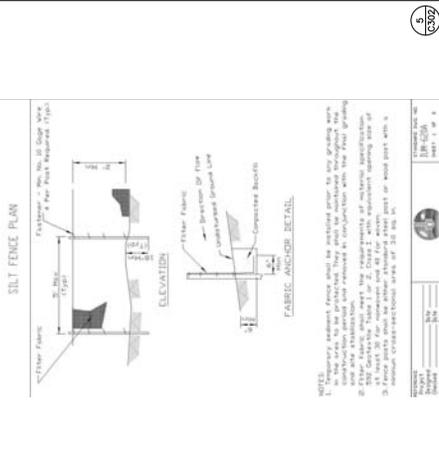
2 **3307**



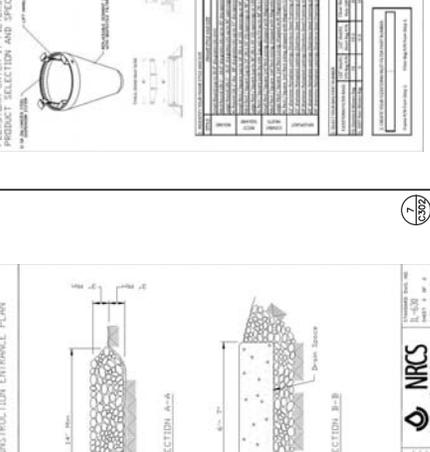
1 **3307**



3 **3307**



6 **3307**



NO.	DATE	REVISION
3	06/16/16	PROJECT NO: 76561
2	06/16/16	DATE
1	06/16/16	ISSUED FOR A&E

WOLPERT
530.424.9080
Oakbrook Terrace, IL 60181
1815 South Meyers Road
Suite 220

EROSION CONTROL DETAILS

THE GARDNER SCHOOL
250 BARCLAY BOULEVARD
LINCOLNSHIRE, ILLINOIS

SHEET NO. C302

FILE STORM CATCH IT

EROSION CONTROL

EROSION CONTROL DETAILS

THE GARDNER SCHOOL

SHEET NO. C302

PROJECT NO.:	175651
DATE:	06/06/16
DES. BY:	DR.
C.D. BY:	JC
ISSUED FOR A/R:	08/11/16
REVISION:	

SHEET NO. C400

UTILITY CROSSINGS
 12" STORM 8" PIPE=662.18
 6" WATER 1" PIPE=657.54 @ -1.50' **
 FINISH GRADE=662.94
 12" STORM 8" PIPE=668.76 @ -0.23'
 6" SAN 1" PIPE=656.53
 ** PROVIDE WATER MAIN PROTECTION

SANITARY STRUCTURE TABLE

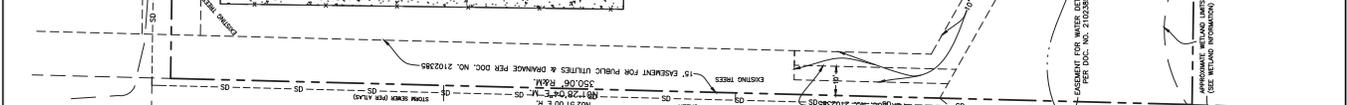
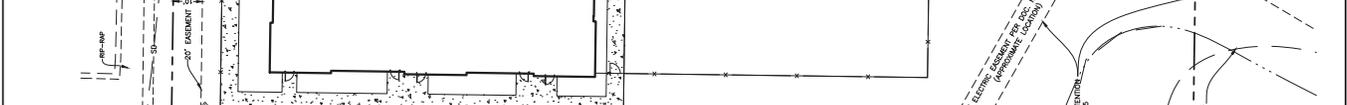
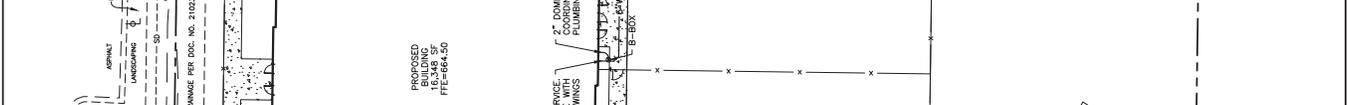
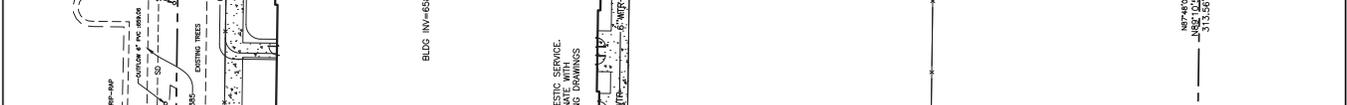
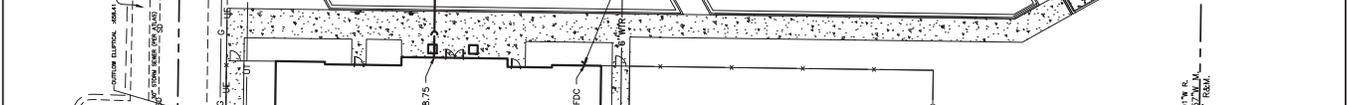
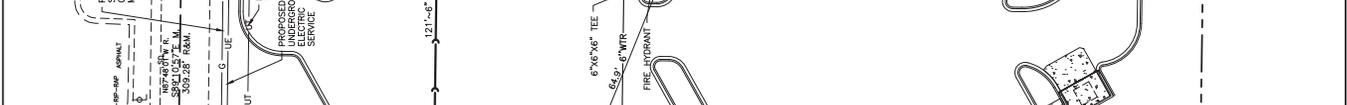
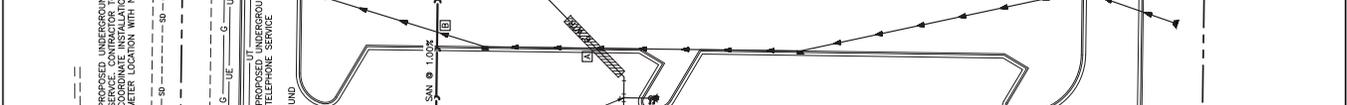
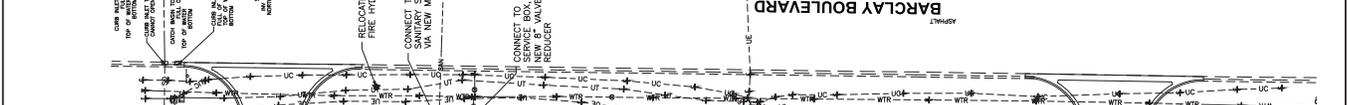
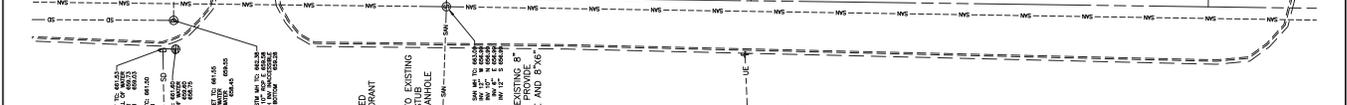
STRUCTURE ID	DESCRIPTION	RIM	INVERT
A.1	SANITARY MH	661.71	6" = 657.54 (W) 6" = 657.37 (E)

UTILITY LEGEND

- PROPOSED SANITARY BOUNDARY
- PROPOSED SANITARY SEWER
- PROPOSED STORM DRAIN
- PROPOSED WATER MAIN
- PROPOSED ELECTRIC
- PROPOSED GAS
- PROPOSED TELEPHONE
- PROPOSED UNDERDRAN
- PROPOSED CATCH BASIN
- PROPOSED CURB INLET
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED CLEAN OUT SECTION
- PROPOSED CLEAN OUT
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- PROPOSED VALVE VAULT
- PROPOSED WATER PROTECTION AREA
- LIGHT POLES
- PROPOSED SANITARY STRUCTURE CALLOUT

UTILITY NOTES

- 2"-4" SCHEDULE 40 PVC CONDUIT FOR LOCATIONS UNDER PROPOSED PAVEMENT. CONTRACTOR TO COORDINATE WITH TRANSFORMER OR ELECTRIC SERVICE AND CONNECTION CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR NATURAL GAS SERVICE.
- 1"-4" SCHEDULE 40 PVC CONDUIT FOR LOCATIONS UNDER PROPOSED PAVEMENT. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR TELEPHONE SERVICE.



NO.	DATE	REVISION
1	06/06/16	ISSUED FOR A/B

PROJECT NO:	76561
DATE:	06/06/16
DESIGNER:	DL
CLIENT:	JK

1815 South Meyers Road
Suite 120
WOLPERT
Oakbrook Terrace, IL 60181
FAX: 630.424.9080
630.424.9371

LANDSCAPE NOTES

- LOADING AND PROTECTING ALL UNDERGROUND UTILITIES, PRIOR TO CONSTRUCTION IS RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES.
- PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES.
- PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES.
- PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES.
- PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES.

LANDSCAPE CODE SUMMARY

PARKING LOT SCREEN
A MINIMUM OF ONE DECIDUOUS SHADE TREE PLANTED IN EVERY 281 LF OF PARKING LOT AND TREES REQUIRED
= 200 LF, 4 SHADE TREES & 27 SHRUBS PROVIDED

PARKING LOT ISLANDS
A MINIMUM OF ONE DECIDUOUS SHADE TREE PLANTED IN EVERY 281 LF OF PARKING LOT AND TREES REQUIRED
= 200 LF, 4 SHADE TREES & 27 SHRUBS PROVIDED

OTHER PLANT MATERIALS
= 6 SHADE TREES WITH SHRUBS AND PERENNIALS REQUIRED
= 6 SHADE TREES, 18 SHRUBS, & 26 PERENNIALS PROVIDED

GREENSPACE TREES PER ACRE
= 12 ACRES OF GREENSPACE TREES
= 12 ACRES OF GREENSPACE TREES
= 12 ACRES OF GREENSPACE TREES

DECIDUOUS SHADE TREES
= 4.5" CAL. SHADE TREES
= 4.5" CAL. SHADE TREES
= 4.5" CAL. SHADE TREES

ORNAMENTAL TREES
= 10' HT. EVERGREEN TREES
= 10' HT. EVERGREEN TREES
= 10' HT. EVERGREEN TREES

SHRUBS
= 4.5" CAL. SHADE TREES
= 4.5" CAL. SHADE TREES
= 4.5" CAL. SHADE TREES

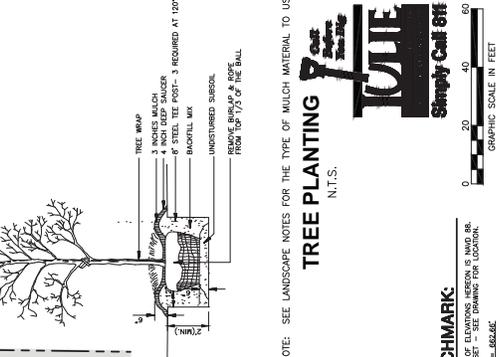
PERENNIALS
= 10' HT. EVERGREEN TREES
= 10' HT. EVERGREEN TREES
= 10' HT. EVERGREEN TREES

SEEDING & SOD MIX

RYE BLERGRASS
= 30 LBS/ACRE
= 30 LBS/ACRE
= 30 LBS/ACRE

DANGLING RED FESCUE
= 10 LBS/ACRE
= 10 LBS/ACRE
= 10 LBS/ACRE

FALTS SALT GRASS
= 30 LBS/ACRE
= 30 LBS/ACRE
= 30 LBS/ACRE



LANDSCAPE NOTES

- LOADING AND PROTECTING ALL UNDERGROUND UTILITIES, PRIOR TO CONSTRUCTION IS RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES.
- PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES.
- PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES.
- PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES.
- PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES.

LANDSCAPE CODE SUMMARY

PARKING LOT SCREEN
A MINIMUM OF ONE DECIDUOUS SHADE TREE PLANTED IN EVERY 281 LF OF PARKING LOT AND TREES REQUIRED
= 200 LF, 4 SHADE TREES & 27 SHRUBS PROVIDED

PARKING LOT ISLANDS
A MINIMUM OF ONE DECIDUOUS SHADE TREE PLANTED IN EVERY 281 LF OF PARKING LOT AND TREES REQUIRED
= 200 LF, 4 SHADE TREES & 27 SHRUBS PROVIDED

OTHER PLANT MATERIALS
= 6 SHADE TREES WITH SHRUBS AND PERENNIALS REQUIRED
= 6 SHADE TREES, 18 SHRUBS, & 26 PERENNIALS PROVIDED

GREENSPACE TREES PER ACRE
= 12 ACRES OF GREENSPACE TREES
= 12 ACRES OF GREENSPACE TREES
= 12 ACRES OF GREENSPACE TREES

DECIDUOUS SHADE TREES
= 4.5" CAL. SHADE TREES
= 4.5" CAL. SHADE TREES
= 4.5" CAL. SHADE TREES

ORNAMENTAL TREES
= 10' HT. EVERGREEN TREES
= 10' HT. EVERGREEN TREES
= 10' HT. EVERGREEN TREES

SHRUBS
= 4.5" CAL. SHADE TREES
= 4.5" CAL. SHADE TREES
= 4.5" CAL. SHADE TREES

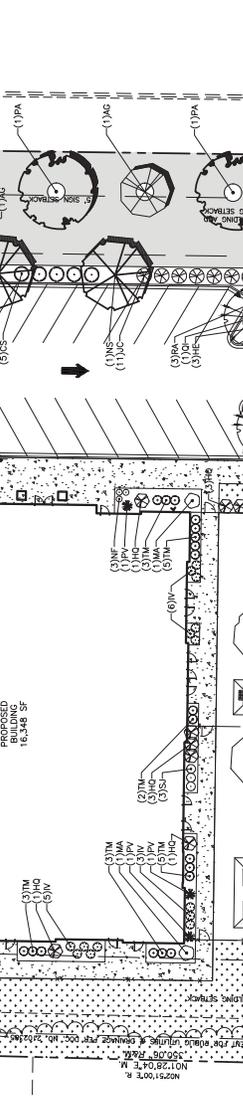
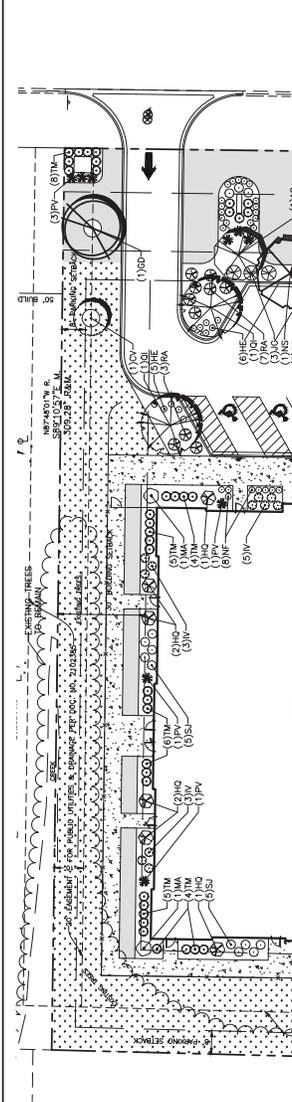
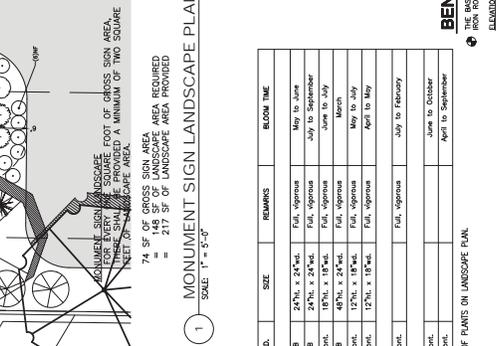
PERENNIALS
= 10' HT. EVERGREEN TREES
= 10' HT. EVERGREEN TREES
= 10' HT. EVERGREEN TREES

SEEDING & SOD MIX

RYE BLERGRASS
= 30 LBS/ACRE
= 30 LBS/ACRE
= 30 LBS/ACRE

DANGLING RED FESCUE
= 10 LBS/ACRE
= 10 LBS/ACRE
= 10 LBS/ACRE

FALTS SALT GRASS
= 30 LBS/ACRE
= 30 LBS/ACRE
= 30 LBS/ACRE



SHADE TREE	QTY	SCIENTIFIC NAME	COMMON NAME	COND.	SIZE	BLM TIME	REMARKS
CS	15	Quercus macrocarpa	Red Oak	BBB	24" H. x 2 1/2" W.	May to June	Foli, vigorous
CS	23	Hydrangea paniculata	Panicle Hydrangea	BBB	24" H. x 2 1/2" W.	July to September	Foli, vigorous
CS	25	Hamamelis virginica	Witch Ham	BBB	18" H. x 1 1/2" W.	June to July	Foli, vigorous
CS	15	Spirea japonica	Little Princess Spirea	BBB	12" H. x 1 1/2" W.	May to July	Foli, vigorous
CS	25	Rosa arvensis	Old-rose	BBB	12" H. x 1 1/2" W.	April to May	Foli, vigorous
CS	12	Panicum virgatum	Reed Ribbon Grass	BBB	24" H. x 2 1/2" W.	July to February	Foli, vigorous
CS	21	Hemerocallis	Happy Returns Daylily	BBB	18" H. x 1 1/2" W.	June to October	Foli, vigorous
CS	21	Hesperis matronalis	Matron's Lace	BBB	18" H. x 1 1/2" W.	April to September	Foli, vigorous

SHRUB	QTY	SCIENTIFIC NAME	COMMON NAME	COND.	SIZE	BLM TIME	REMARKS
CS	15	Quercus macrocarpa	Red Oak	BBB	24" H. x 2 1/2" W.	May to June	Foli, vigorous
CS	23	Hydrangea paniculata	Panicle Hydrangea	BBB	24" H. x 2 1/2" W.	July to September	Foli, vigorous
CS	25	Hamamelis virginica	Witch Ham	BBB	18" H. x 1 1/2" W.	June to July	Foli, vigorous
CS	15	Spirea japonica	Little Princess Spirea	BBB	12" H. x 1 1/2" W.	May to July	Foli, vigorous
CS	25	Rosa arvensis	Old-rose	BBB	12" H. x 1 1/2" W.	April to May	Foli, vigorous
CS	12	Panicum virgatum	Reed Ribbon Grass	BBB	24" H. x 2 1/2" W.	July to February	Foli, vigorous
CS	21	Hemerocallis	Happy Returns Daylily	BBB	18" H. x 1 1/2" W.	June to October	Foli, vigorous
CS	21	Hesperis matronalis	Matron's Lace	BBB	18" H. x 1 1/2" W.	April to September	Foli, vigorous



Building Feature Specifications
THE GARDNER SCHOOL

250 Barclay Blvd.
Lincolnshire, IL 60069

Prepared: September 12, 2016

BY

NORR

CUPOLA SECTION 11040

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide cupola work shown on the drawings, as specified herein, and as needed for a complete and proper installation.
- B. Coordinate cupola work of this section with General Conditions and Supplementary Conditions.

1.02 SUBMITTALS

- A. Submit shop drawings designed in accordance with local building code requirements. Upon approval, general contractor shall send to field or job-site superintendent copy of final approved shop drawing.
- B. Submit color samples of exterior covering, and window glazing.
- C. Submit certificates of insurance.
- D. Submit close-out documents, warranties, and manuals.

1.03 QUALITY ASSURANCE

- A. Use adequate number of skilled workmen who are thoroughly trained and experienced in the necessary crafts, and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
- B. Use materials which shall be free from defects impairing strength, durability, and appearance; shall be of best commercial quality for purpose required; and shall comply with approved drawings.
- C. Use manufacturer who has had ten (10) years of experience in the manufacture of specified product.

1.04 WARRANTY

- A. Warrant the product for one year after date of completed installation by manufacturer of product.
- B. Warrant the product for one year after date of delivery of product installed by others.

PART 2 - PRODUCTS

2.01 MANUFACTURER

- A. Use product as manufactured by East Coast Weathervanes
EastCoast-Weathervanes.com • 1.800.986.2870
Cupola: The Salisbury 24"W x 47"H, black windows.Vinyl
Weathervane: Eagle Banner #AB15 28"L x 24"H

2.02 MATERIALS

- A. Manufactures standard.

2.03 ACCESSORIES

- A. Fabricate finial and/or topping ornament true to dimensions, with welded or soldered joints, ground smooth.
- B. Form louver blades and firmly secure and rivet to frames, and back with 18 x 18 aluminum or copper screen.
- C. Form cornices, mouldings, and ornaments in accordance with approved drawings.
- D. Cast, stamp, form, and/or spin special ornaments in accordance with good and acceptable practices, and in accordance with approved drawings.
- E. All accessories required for mounting and assembly.

2.04 FABRICATION

- A. Fabricate structural steel framing to conform to AWS standards.
- B. Fabricate structural aluminum framing with cold driven aluminum rivets, limiting welding to secondary architectural members.
- C. Form all exterior cladding with good and acceptable sheet metal practices, and lock form all seams inasmuch as possible.
- D. Conceal all exterior fasteners to maximum possibility.
- E. Use cadmium plated bolts, nuts, and washers for anchoring, unless anchoring materials are provided and installed by others.

2.05 FINISHES

- A. Standard Manufactures.

2.06 CAULKING

- A. Clean and dry all surfaces to be caulked.
- B. Apply with caulking gun, using nozzle of proper size to fit the joint width.
- C. Use silicone caulking by Dow Corning, or approved equal.

PART 3 - EXECUTION

3.01 PROJECT SITE CONDITIONS

- A. Verify with owner or general contractor that site conditions are suitable and accessible for delivery and installation.
- B. Confirm with owner or general contractor that all preparatory work is in place in accordance with approved shop drawings before delivery and installation.

3.02 INSTALLATION

- A. Coordinate with other trades as required to assure proper and adequate installation.
- B. Clean all soiled and dirty areas and touch up any scratches or abrasions to finish before lifting into position.
- C. Install work with skilled workmen who are familiar with such work in accordance with approved shop drawings.
- D. Provide crane to manufacturer for unloading and hoisting product into position for as long as required.

3.03 CLEAN-UP

- A. Clean up all debris caused by work of this section
- B. Keep the premises clean and neat at all times.

END OF SECTION



DAVINCI SHAKE® Single-Width

Just like real cedar, DaVinci Shake Single-Width features varied textures and profiles to create natural visual shifts in color and shading. Unlike real cedar, it's available in five standard color blends and designed to last for decades.



Mountain-VariBlend



Tahoe-VariBlend



Chesapeake-VariBlend



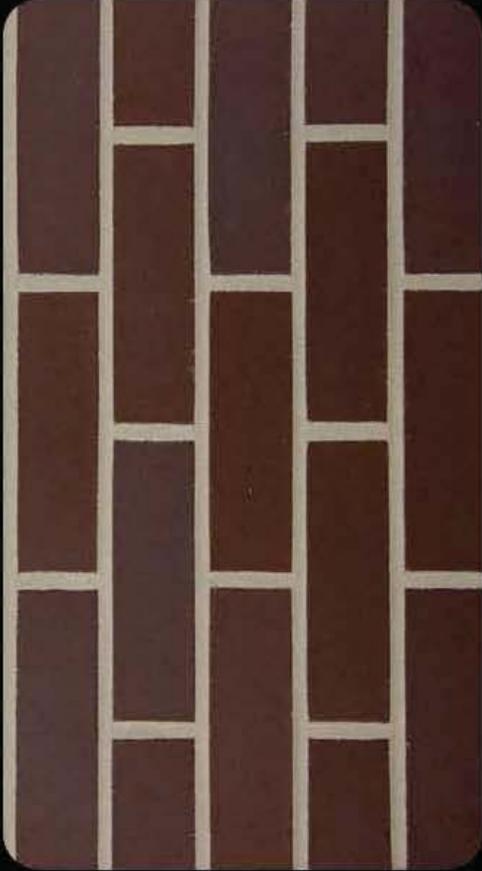
Autumn-VariBlend



Weathered Gray-VariBlend

Contact a DaVinci project specialist to learn more about how you can create your own color blend or custom color.

BORDEAUX BLEND



SMOOTH

Available Sizes

- Modular
- Engineer Modular
- Closure
- 2-5/8" Kingsize
- Kingsize
- Engineer Kingsize
- Norman
- Engineer Norman
- Utility
- 3" Utility
- Triple
- Meridian
- 6" Thru-Wall
- 8" Thru-wall

Available Textures

- Velour
- Smooth
- Matt

Vertical Score

Colors, textures, and sizes featured in this color catalog may not be available in all combinations, contact Endicott on your distributor for further information.

Due to variances in the graphic display of devices and reproduction in printers, colors may vary. Final color selections should be made from a key panel or mock-up.



LEED



MODELS



HardiePlank® *HL5* Lap Siding

INSTALLATION REQUIREMENTS - PRIMED & COLORPLUS® PRODUCTS



EFFECTIVE SEPTEMBER 2013

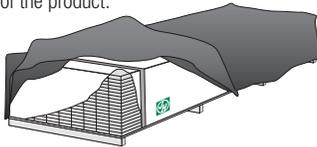
Visit www.jameshardie.com for the most recent version.

**SELECT CEDARMILL® • SMOOTH • CUSTOM COLONIAL™ SMOOTH • CUSTOM COLONIAL™ ROUGHSAWN
CUSTOM BEADED CEDARMILL® • CUSTOM BEADED SMOOTH • STRAIGHT-EDGE SHINGLE PLANK**

IMPORTANT: FAILURE TO INSTALL AND FINISH THIS PRODUCT IN ACCORDANCE WITH APPLICABLE BUILDING CODES AND JAMES HARDIE WRITTEN APPLICATION INSTRUCTIONS MAY LEAD TO PERSONAL INJURY, AFFECT SYSTEM PERFORMANCE, VIOLATE LOCAL BUILDING CODES, AND VOID THE PRODUCT ONLY WARRANTY. BEFORE INSTALLATION, CONFIRM THAT YOU ARE USING THE CORRECT HARDIEZONE™ PRODUCTS INSTRUCTIONS. TO DETERMINE WHICH HARDIEZONE™ APPLIES TO YOUR LOCATION, VISIT WWW.HARDIEZONE.COM OR CALL 1-866-942-7343 (866 9HARDIE)

STORAGE & HANDLING:

Store flat and keep dry and covered prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carry planks on edge. Protect edges and corners from breakage. James Hardie is not responsible for damage caused by improper storage and handling of the product.



CUTTING INSTRUCTIONS

OUTDOORS

- Position cutting station so that wind will blow dust away from user and others in working area.
- Use one of the following methods:
 - Best:
 - Score and snap
 - Shears (manual, electric or pneumatic)
 - Better:
 - Dust reducing circular saw equipped with a HardieBlade™ saw blade and HEPA vacuum extraction
 - Good:
 - Dust reducing circular saw with a HardieBlade saw blade (only use for low to moderate cutting)

INDOORS

- Cut only using score and snap, or shears (manual, electric or pneumatic).
- Position cutting station in well-ventilated area

- NEVER use a power saw indoors
- NEVER use a circular saw blade that does not carry the HardieBlade saw blade trademark
- NEVER dry sweep – Use wet suppression or HEPA Vacuum

Important Note: For maximum protection (lowest respirable dust production), James Hardie recommends always using "Best"-level cutting methods where feasible.

NIOSH-approved respirators can be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at www.jameshardie.com to help you determine the most appropriate cutting method for your job requirements. If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact James Hardie for further information.

SD083105

IMPORTANT: To prevent damage to the drip edge, extra care should be taken when removing planks from the pallet, while handling, and when installing with a lap gauge. Please see additional handling requirements on page 4.

GENERAL REQUIREMENTS:

- HardiePlank® lap siding can be installed over braced wood or steel studs spaced a maximum of 24" o.c. or directly to minimum 7/16" thick OSB sheathing. See General Fastening Requirements. Irregularities in framing and sheathing can mirror through the finished application.
- Information on installing James Hardie products over foam can be located in **JH Tech Bulletin 19** at www.jameshardie.com
- A water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. James Hardie will assume no responsibility for water infiltration. James Hardie does manufacture HardieWrap® Weather Barrier, a non-woven non-perforated housewrap¹, which complies with building code requirements.
- When installing James Hardie products all clearance details in figs. 3-14 must be followed.
- Adjacent finished grade must slope away from the building in accordance with local building codes - typically a minimum of 6" in the first 10'.
- Do not use HardiePlank lap siding in Fascia or Trim applications.
- Do not install James Hardie products, such that they may remain in contact with standing water.
- HardiePlank lap siding may be installed on flat vertical wall applications only.
- DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® Products.
- For larger projects, including commercial and multi-family projects, where the span of the wall is significant in length, the designer and/or architect should take into consideration the coefficient of thermal expansion and moisture movement of the product in their design. These values can be found in the Technical Bulletin "Expansion Characteristics of James Hardie® Siding Products" at www.JamesHardie.com.

INSTALLATION: JOINT TREATMENT

One or more of the following joint treatment options are required by code (as referenced 2009 IRC R703.3.2)

- Joint Flashing (James Hardie recommended)
- Caulking* (Caulking is not recommended for ColorPlus for aesthetic reasons as the Caulking and ColorPlus will weather differently. For the same reason, do not caulk nail heads on ColorPlus products.)
- "H" jointer cover

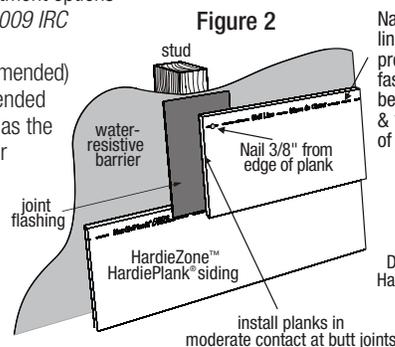
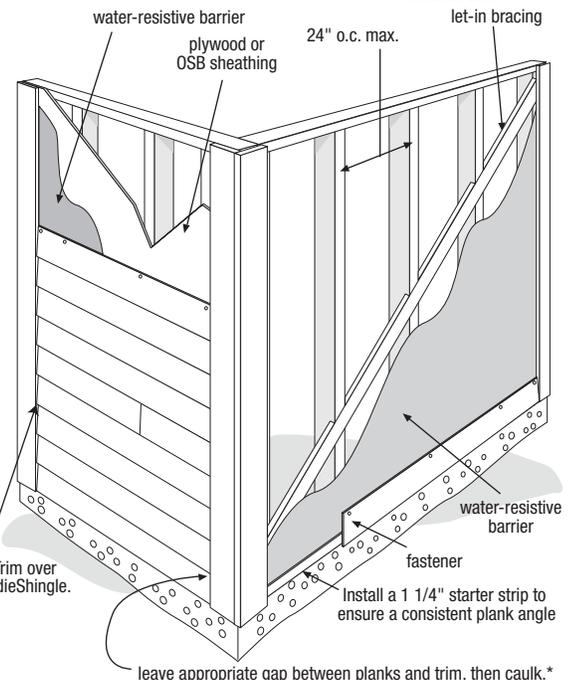


Figure 2

Nail line (if nail line is not present place fastener between 3/4" & 1" from top of plank)

DO NOT install Trim over HardiePlank /HardieShingle.

Figure 1 Double Wall Construction Single Wall Construction



Note: Field painting over caulking may produce a sheen difference when compared to the field painted PrimePlus. *Refer to Caulking section in these instructions.

¹For additional information on HardieWrap® Weather Barrier, consult James Hardie at 1-866-4Hardie or www.hardiewrap.com

WARNING: AVOID BREATHING SILICA DUST

James Hardie® products contain respirable crystalline silica, which is known to the State of California to cause cancer and is considered by IARC and NIOSH to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation or handling: (1) work in outdoor areas with ample ventilation; (2) use fiber cement shears for cutting or, where not feasible, use a HardieBlade saw blade and dust-reducing circular saw attached to a HEPA vacuum; (3) warn others in the immediate area; (4) wear a properly-fitted, NIOSH-approved dust mask or respirator (e.g. N-95) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica exposures. During clean-up, use HEPA vacuums or wet cleanup methods - never dry sweep. For further information, refer to our installation instructions and Material Safety Data Sheet available at www.jameshardie.com or by calling 1-800-9HARDIE (1-800-942-7343). FAILURE TO ADHERE TO OUR WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

SD050905

CLEARANCE AND FLASHING REQUIREMENTS

Figure 3
Roof to Wall

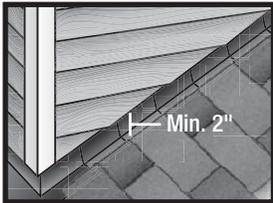


Figure 4
Horizontal Flashing

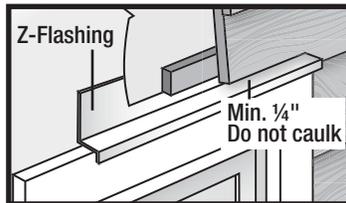


Figure 5
Kickout Flashing

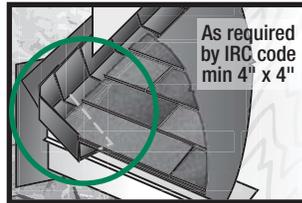


Figure 6
Slabs, Path, Steps to Siding

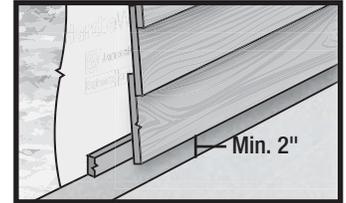


Figure 7
Deck to Wall

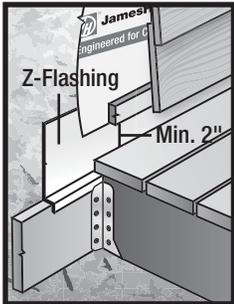


Figure 8
Ground to Siding

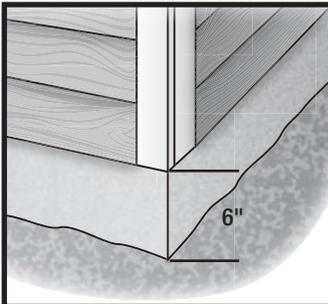


Figure 9
Gutter to Siding

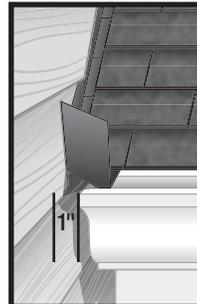


Figure 10
Sheltered Areas

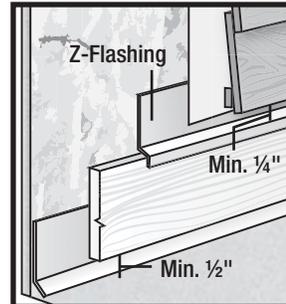


Figure 11
Mortar/Masonry

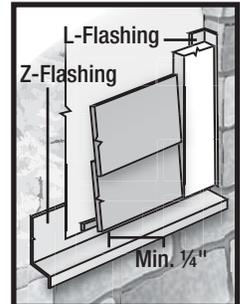


Figure 12
Drip Edge

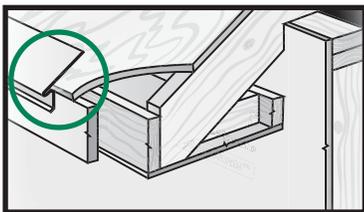


Figure 13
Block Penetration

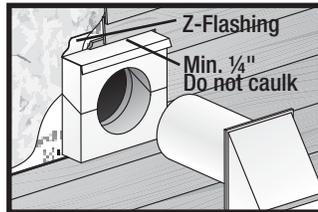


Figure 14
Valley/Shingle Extension



FASTENER REQUIREMENTS **

Blind Nailing is the preferred method of installation for HardiePlank® lap siding products. Face nailing should only be used where required by code for high wind areas and must not be used in conjunction with Blind nailing (Please see JH Tech bulletin 17 for exemption when doing a repair). **Pin-backed corners may be done for aesthetic purposes Only. Pin-backs shall be done with finish nails only, and are not a substitute for blind or face nailing.**

BLIND NAILING

Nails - Wood Framing

- Siding nail (0.09" shank x 0.221" HD x 2" long)
- 11ga. roofing nail (0.121" shank x 0.371" HD x 1.25" long)

Screws - Steel Framing

- Ribbed Wafer-head or equivalent (No. 8 x 1 1/4" long x 0.375" HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing

- ET & F Panelfast® nails or equivalent (0.10" shank x 0.313" HD x 1-1/2" long) Nails must penetrate minimum 1/4" into metal framing.

OSB minimum 7/16"

- 11ga. roofing nail (0.121" shank x 0.371" HD x 1.75" long)
- Ribbed Wafer-head or equivalent (No. 8 x 1 5/8" long x 0.375" HD).

FACE NAILING

Nails - Wood Framing

- 6d (0.113" shank x 0.267" HD x 2" long)
- Siding nail (0.09" shank x 0.221" HD x 2" long)

Screws - Steel Framing

- Ribbed Bugle-head or equivalent (No. 8-18 x 1-5/8" long x 0.323" HD) Screws must penetrate 3 threads into metal framing.

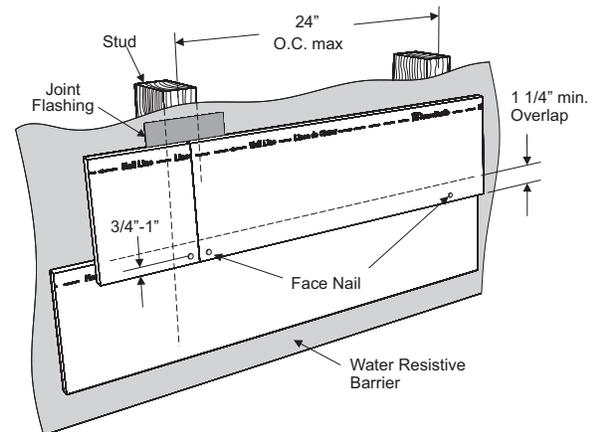
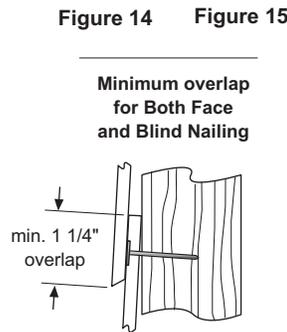
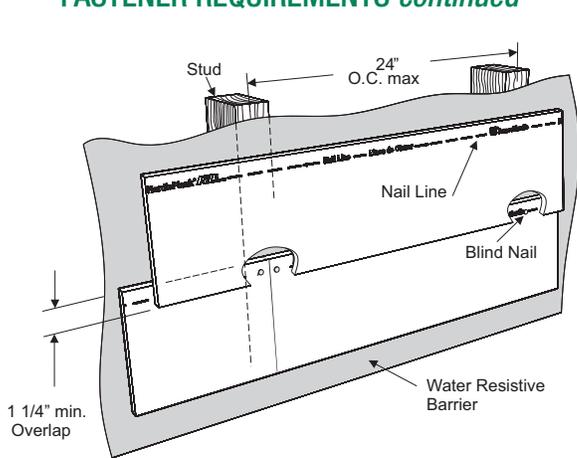
Nails - Steel Framing

- ET & F pin or equivalent (0.10" shank x 0.25" HD x 1-1/2" long) Nails must penetrate minimum 1/4" into metal framing.

OSB minimum 7/16"

- Siding nail (0.09" shank x 0.221" HD x 1-1/2" long)*

FASTENER REQUIREMENTS *continued*



Laminate sheet to be removed immediately after installation of each course for ColorPlus® products.

* When face nailing to OSB, planks must be no greater than 9 1/4" wide and fasteners must be 12" o.c. or less.

** Also see General Fastening Requirements; and when considering alternative fastening options refer to James Hardie's Technical Bulletin USTB 17 - Fastening Tips for HardiePlank® Lap Siding.

GENERAL FASTENING REQUIREMENTS

Fasteners must be corrosion resistant, galvanized, or stainless steel. Electro-galvanized are acceptable but may exhibit premature corrosion. James Hardie recommends the use of quality, hot-dipped galvanized nails. James Hardie is not responsible for the corrosion resistance of fasteners. Stainless steel fasteners are recommended when installing James Hardie® products near the ocean, large bodies of water, or in very humid climates.

Manufacturers of ACQ and CA preservative-treated wood recommend spacer materials or other physical barriers to prevent direct contact of ACQ or CA preservative-treated wood and aluminum products. Fasteners used to attach HardieTrim Tabs to preservative-treated wood shall be of hot dipped zinc-coated galvanized steel or stainless steel and in accordance to 2009 IRC R317.3 or 2009 IBC 2304.9.5.

- Consult applicable product evaluation or listing for correct fasteners type and placement to achieve specified design wind loads.
- NOTE: Published wind loads may not be applicable to all areas where Local Building Codes have specific jurisdiction. Consult James Hardie Technical Services if you are unsure of applicable compliance documentation.
- Drive fasteners perpendicular to siding and framing.
- Fastener heads should fit snug against siding (no air space). (fig. A)
- Do not over-drive nail heads or drive nails at an angle.
- If nail is countersunk, fill nail hole and add a nail. (fig. B)
- For wood framing, under driven nails should be hit flush to the plank with a hammer (For steel framing, remove and replace nail).
- NOTE: Whenever a structural member is present, HardiePlank should be fastened with even spacing to the structural member. The tables allowing direct to OSB or plywood should only be used when traditional framing is not available.
- **Do not use aluminum fasteners, staples, or clipped head nails.**

PNEUMATIC FASTENING

James Hardie products can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Set air pressure so that the fastener is driven snug with the surface of the siding. A flush mount attachment on the pneumatic tool is recommended. This will help control the depth the nail is driven. If setting the nail depth proves difficult, choose a setting that under drives the nail. (Drive under driven nails snug with a smooth faced hammer - Does not apply for installation to steel framing).



PAINTING

DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® Products. James Hardie products must be painted within 180 days for primed product and 90 days for unprimed. 100% acrylic topcoats are recommended. Do not paint when wet. For application rates refer to paint manufacturers specifications. Back-rolling is recommended if the siding is sprayed.

CUT EDGE TREATMENT

Caulk, paint or prime all field cut edges. James Hardie touch-up kits are required to touch-up ColorPlus products.

CAULKING

For best results use an Elastomeric Joint Sealant complying with ASTM C920 Grade NS, Class 25 or higher or a Latex Joint Sealant complying with ASTM C834. Caulking/Sealant must be applied in accordance with the caulking/sealant manufacturer's written instructions. **Note: OSI Quad as well as some other caulking manufacturers do not allow tooling.**

COLORPLUS® TECHNOLOGY CAULKING, TOUCH-UP & LAMINATE

- Care should be taken when handling and cutting James Hardie® ColorPlus® products. During installation use a wet soft cloth or soft brush to gently wipe off any residue or construction dust left on the product, then rinse with a garden hose.
 - Touch up nicks, scrapes and nail heads using the ColorPlus® Technology touch-up applicator. Touch-up should be used sparingly. If large areas require touch-up, replace the damaged area with new HardiePlank® lap siding with ColorPlus® Technology.
 - Laminate sheet must be removed immediately after installation of each course.
 - Terminate non-factory cut edges into trim where possible, and caulk. Color matched caulks are available from your ColorPlus® product dealer.
 - Treat all other non-factory cut edges using the ColorPlus Technology edge coat, available from your ColorPlus product dealer.
- Note:** James Hardie does not warrant the usage of third party touch-up or paints used as touch-up on James Hardie ColorPlus products.

Problems with appearance or performance arising from use of third party touch-up paints or paints used as touch-up that are not James Hardie touch-up will not be covered under the James Hardie ColorPlus Limited Finish Warranty.

COVERAGE CHART/ESTIMATING GUIDE

Number of 12' planks, does not include waste

COVERAGE AREA
LESS
OPENINGS

SQ (1 SQ = 100 sq.ft.)	HARDIEPLANK® LAP SIDING WIDTH									
	(exposure)	5 1/4 4	6 1/4 5	7 1/4 6	7 1/2 6 1/4	8 6 3/4	8 1/4 7	9 1/4 8	9 1/2 8 1/4	12 10 3/4
1		25	20	17	16	15	14	13	13	9
2		50	40	33	32	30	29	25	25	19
3		75	60	50	48	44	43	38	38	28
4		100	80	67	64	59	57	50	50	37
5		125	100	83	80	74	71	63	63	47
6		150	120	100	96	89	86	75	75	56
7		175	140	117	112	104	100	88	88	65
8		200	160	133	128	119	114	100	100	74
9		225	180	150	144	133	129	113	113	84
10		250	200	167	160	148	143	125	125	93
11		275	220	183	176	163	157	138	138	102
12		300	240	200	192	178	171	150	150	112
13		325	260	217	208	193	186	163	163	121
14		350	280	233	224	207	200	175	175	130
15		375	300	250	240	222	214	188	188	140
16		400	320	267	256	237	229	200	200	149
17		425	340	283	272	252	243	213	213	158
18		450	360	300	288	267	257	225	225	167
19		475	380	317	304	281	271	238	238	177
20		500	400	333	320	296	286	250	250	186

This coverage chart is meant as a guide. Actual usage is subject to variables such as building design. James Hardie does not assume responsibility for over or under ordering of product.

PAINTING JAMES HARDIE® SIDING AND TRIM PRODUCTS WITH COLORPLUS® TECHNOLOGY

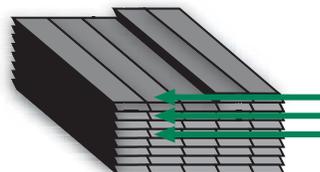
When repainting ColorPlus products, James Hardie recommends the following regarding surface preparation and topcoat application:

- Ensure the surface is clean, dry, and free of any dust, dirt, or mildew
- Repriming is normally not necessary
- 100% acrylic topcoats are recommended
- DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® Products.
- Apply finish coat in accordance with paint manufacturers written instructions regarding coverage, application methods, and application temperature
- DO NOT caulk nail heads when using ColorPlus products, refer to the ColorPlus touch-up section

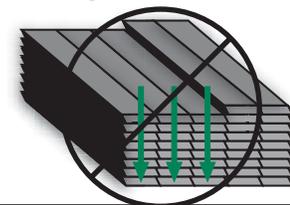
ADDITIONAL HANDLING REQUIREMENTS

IMPORTANT: To prevent damage to the drip edge, extra care should be taken when removing planks from the pallet, while handling, and when installing with a lap gauge. Planks are interlocked together on the pallet, therefore they should be removed from the pallet horizontally (side to side) to allow planks to unlock themselves from one another.

Pull from across the stack



Do not go down the stack



RECOGNITION: In accordance with ICC-ES Evaluation Report ESR-2290, HardiePlank® lap siding is recognized as a suitable alternate to that specified in: the 2006, 2009, & 2012 International Residential Code for One- and Two-Family Dwellings, and the 2006, 2009, & 2012 International Building Code. HardiePlank lap siding is also recognized for application in the following: City of Los Angeles Research Report No. 24862, State of Florida listing FL#889, Dade County, Florida NOA No. 02-0729.02, U.S. Dept. of HUD Materials Release 1263c, Texas Department of Insurance Product Evaluation EC-23, City of New York MEA 223-93-M, and California DSA PA-019. These documents should also be consulted for additional information concerning the suitability of this product for specific applications.



CLOVE BROOK LIMESTONE





**Weather Vanes
OF MAINE**

Toll Free 1(888)408-5244



[Home](#) [Weather Vanes](#) [Cupolas](#) [Finials](#) [Mounts/Parts](#) [Outdoor Decor](#) [Ordering & Shipping](#) [About Us](#)

Select Cupola

Square Cupolas

Hexagon Cupolas

Octagon Cupolas

Metal Cupolas

Copper Cupolas

Shed Cupolas

Gazebo Cupolas

Economy Series Cupolas

Square Base Octagon Cupolas

The Deluxe Series Cupolas

The Combo Series Cupolas

The Bell Roof Series Cupolas

Birdhouse Cupolas

Custom Cupolas

[The Pinnacle Cupola](#) | [The Villa Cupola](#) | [The Kingston Cupola](#) | [The Salisbury Cupola](#) | [The Octagon Windowed Searsport](#) | [The Octagon Windowed Trenton](#) | [The Octagon Louvered Searsport](#) | [The Octagon Cupola](#)

The Villa Cupola



Our Villa Estate Series Vinyl Cupola features an octagonal configuration with windows and a 16 ounce, 24 gauge copper bell style roof. Colored aluminum roofs are available.

Cupola size is derived from the measurements of the base width.

Extension Base:

This cupola fits up to a 10/12 pitch roof.

An extension base is required to fit a roof greater than a 10/12 pitch.

For a 12/12 pitch, one extension base is required.

For a 14/12 pitch, two extension bases are required.

Please call for pricing.

All cupolas are weather vane ready. When installing a weather vane, an 11" extension rod is required.

Base Size	Dimensions	Vinyl or Cedar Price	Stained Glass Windows
24"	24"W x 47"H	\$1,041	add \$92
30"	30"W x 57"H	\$1,369	add \$160
36"	36"W x 67"H	\$1,663	add \$232
42"	42"W x 77"H	\$2,139	add \$340
48"	48"W x 88"H	\$2,592	add \$424
60"	60"W x 107"H	\$3,610	add \$580
72"	72"W x 126"H	\$4,697	add \$880

Cupola Options	18"	22"	26"	30"	36"	42"	48"	54"	60"	72"
Base Extension	\$46	\$54	\$66	\$76	\$88	\$98	\$110	\$120	\$130	\$152
Screening	\$32	\$38	\$42	\$52	\$64	\$74	\$84	\$96	\$106	\$126

[Order Here](#)

[SEARCH](#) [SITE MAP](#) [RESOURCES](#) [EMAIL THIS PAGE](#) [PRINT THIS PAGE](#)



**Weathervanes
OF MAINE**

Toll Free 1(888)408-5244



[Home](#) [Weathervanes](#) [Cupolas](#) [Finials](#) [Mounts/Parts](#) [Outdoor Decor](#) [Ordering & Shipping](#) [About Us](#)

Select Weathervane

Diving Eagle w / 24" Arrow | Diving Eagle w / 30" Arrow | Diving Eagle w / Fish | Eagle w / 30" Arrow | Eagle w / 22" Arrow | American Flag w / Eagle Head | Diving Eagle on 36" Scroll Arrow | Eagle on 36" Scroll Arrow | Medium Eagle on 30" Scroll Arrow | Federal Eagle Replica | Federal Eagle Replica w / 36" Arrow | Smithsonian Eagle

Eagle Weathervanes

Rooster Weathervanes

Heron Weathervanes

Goose Weathervanes

Duck Weathervanes

Other Bird Weathervanes

Arrow and Banner Weathervanes

Horse Weathervanes

Pig Weathervanes

Farm Animal Weathervanes

Deer Moose & Elk Weathervanes

Wildlife Weathervanes

Fish Weathervanes

Dolphin

American Flag w/ Eagle Head



24"H x 28"L
Style #857
Price: \$295

[Order Here](#)

Weathervanes
.....

Whale
Weathervanes
.....

Boat Weathervanes
.....

Dog Weathervanes
.....

Cat Weathervanes
.....

Transportation
Weathervanes
.....

Religious
Weathervanes
.....

People
Weathervanes
.....

Special Interest
Weathervanes
.....

Sale Weathervanes
.....

[SEARCH](#) [SITE MAP](#) [RESOURCES](#) [EMAIL THIS PAGE](#) [PRINT THIS PAGE](#)



Fencing Specifications
THE GARDNER SCHOOL

250 Barclay Blvd.
Lincolnshire, IL 60069

Prepared: September 12, 2016

BY

NORR

AMERISTAR FENCE PRODUCTS®
Montage Plus® - Steel Ornamental Fence System – Fusion Welded and Rackable
CONSTRUCTION SPECIFICATION - SECTION 32 31 19

PART 1 - GENERAL

1.01 WORK INCLUDED

The contractor shall provide all labor, materials and appurtenances necessary for installation of the welded ornamental steel fence system defined herein at (specify project site).

1.02 RELATED WORK

Section _____ - Earthwork

Section _____ - Concrete

1.03 SYSTEM DESCRIPTION

The manufacturer shall supply a total fence system of (specify Montage Plus® standard picket space or Montage Plus® Pool, Pet & Play® 3” air space) **Welded and Rackable** (ATF – All Terrain Flexibility) Ornamental Steel (for standard picket space, specify Classic™, Majestic™, Genesis™, or Warrior™; for 3” air space, specify Classic™, Majestic™, or Genesis™) design. The system shall include all components (i.e., panels, posts, gates and hardware) required.

1.04 QUALITY ASSURANCE

The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and materials and techniques specified.

1.05 REFERENCES

- ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
- ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- ASTM D523 - Test Method for Specular Gloss
- ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint.
- ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
- ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.
- ASTM F2408 – Ornamental Fences Employing Galvanized Steel Tubular Pickets.

1.06 SUBMITTAL

The manufacturer’s literature shall be submitted prior to installation.

1.07 PRODUCT HANDLING AND STORAGE

Upon receipt at the job site, all materials shall be checked to ensure that no damage occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism and theft.

1.08 PRODUCT WARRANTY

A. All structural fence components (i.e. rails, pickets, and posts) shall be warranted within specified limitations, by the manufacturer for a period of 20 years from date of original purchase. Warranty shall cover any defects in material finish, including cracking, peeling, chipping, blistering or corroding.

B. Reimbursement for labor necessary to restore or replace components that have been found to be defective under the terms of manufactures warranty shall be guaranteed for five (5) years from date of original purchase.

PART 2 - MATERIALS

2.01 MANUFACTURER

The fence system shall conform to (specify Montage Plus standard picket space or Montage Plus Pool, Pet & Play 3" air space) *Welded and Rackable* (ATF – All Terrain Flexibility) Ornamental Steel, (for standard picket space, specify Classic, Majestic, Genesis or Warrior; for 3" air space, specify Classic, Majestic, or Genesis) design, (specify extended picket or flush) bottom rail treatment, (specify 2-Rail, 3-Rail or 3-Rail with Double Rings) style manufactured by Ameristar Fence Products, Inc., in Tulsa, Oklahoma.

2.02 MATERIAL

A. Steel material for fence panels and posts shall conform to the requirements of ASTM A653/A653M, with a minimum yield strength of 45,000 psi (310 MPa) and a minimum zinc (hot-dip galvanized) coating weight of 0.60 oz/ft² (184 g/m²), Coating Designation G-60.

B. Material for pickets shall be 3/4" square x 18 Ga. tubing. The rails shall be steel channel, 1.5" x 1.4375" x 14 Ga. Picket holes in the rail shall be spaced (specify 4.675" o.c. for standard picket space or 3.500" o.c. for 3" air space). Fence posts and gate posts shall meet the minimum size requirements of Table 1.

2.03 FABRICATION

A. Pickets, rails and posts shall be pre-cut to specified lengths. Rails shall be pre-punched to accept pickets.

B. Pickets shall be inserted into the pre-punched holes in the rails and shall be aligned to standard spacing using a specially calibrated alignment fixture. The aligned pickets and rails shall be joined at each picket-to-rail intersection by Ameristar's proprietary fusion welding process, thus completing the rigid panel assembly (Note: The process produces a virtually seamless, spatter-free good-neighbor appearance, equally attractive from either side of the panel).

C. The manufactured panels and posts shall be subjected to an inline electrode position coating (E-Coat) process consisting of a multi-stage pretreatment/wash (with zinc phosphate), followed by a duplex application of an epoxy primer and an acrylic topcoat. The minimum cumulative coating thickness of epoxy and acrylic shall be 2 mils (0.058 mm). The color shall be (specify Black or Bronze). The coated panels and posts shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2 (Note: The requirements in Table 2 meet or exceed the coating performance criteria of ASTM F2408).

D. The manufactured fence system shall be capable of meeting the vertical load, horizontal load, and infill performance requirements for Commercial weight fences under ASTM F2408.

E. Gates with an out to out leaf dimension less than and including 72 inches shall be fabricated using Montage Plus ornamental panel material and 1-3/4" sq. x 14ga. gate ends. Gate leafs greater than 72 inches shall be fabricated using ForeRunner rails, 17 gauge pickets, intermediate uprights, gussets and 1-3/4" sq. x 14ga. gate ends. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding.

PART 3 - EXECUTION

3.01 PREPARATION

All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 INSTALLATION

Fence post shall be spaced according to Table 3, plus or minus 1/4". For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence panels shall be attached to posts with brackets supplied by the manufacturer. Posts shall be set in concrete footers having a minimum depth of 36" (Note: In some cases, local restrictions of freezing weather conditions may require a greater depth). The "Earthwork" and "Concrete" sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

3.03 FENCE INSTALLATION MAINTENANCE

When cutting/drilling rails or posts adhere to the following steps to seal the exposed steel surfaces; 1) Remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. Ameristar spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufactures' warranty.

3.04 GATE INSTALLATION

Gate posts shall be spaced according to the manufacturers' gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application; weight, height, and number of gate cycles. The manufacturers' gate drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacture of the gate and shall be installed per manufacturer's recommendations.

3.05 CLEANING

The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

Table 1 – Minimum Sizes for Montage Plus Posts

Fence Posts		Panel Height	
2-1/2" x 16 Ga.		Up to & Including 6' Height	
Gate Leaf	Gate Height		
	Up to & Including 4'	Over 4' Up to & Including 6'	
Up to 4'	2-1/2" x 14 Ga.	3" x 12 Ga.	
4'1" to 6'	3" x 12 Ga.	3" x 12 Ga.	
6'1" to 8'	3" x 12 Ga.	4" x 12 Ga.	

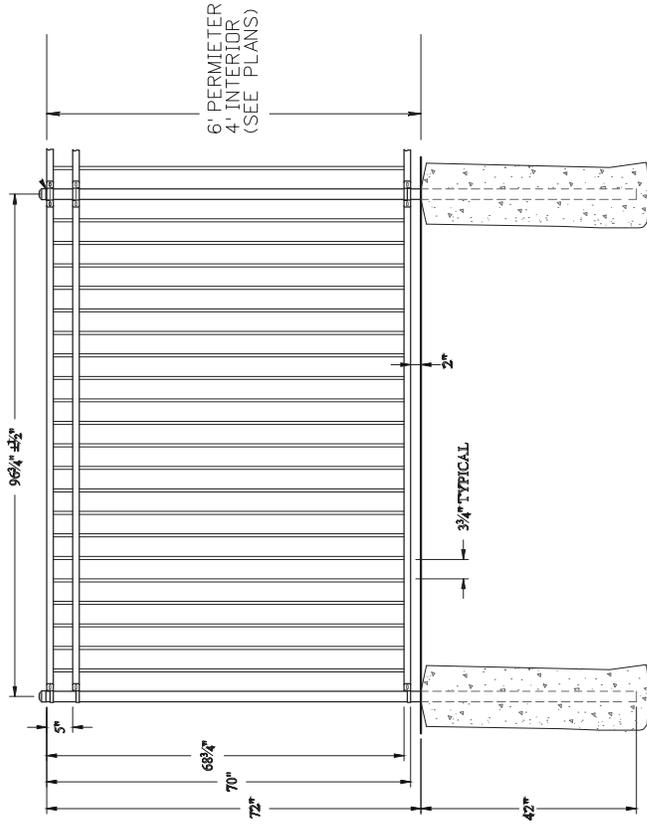
Table 2 – Coating Performance Requirements

Quality Characteristics	ASTM Test Method	Performance Requirements
Adhesion	D3359 – Method B	Adhesion (Retention of Coating) over 90% of test area (Tape and knife test).
Corrosion Resistance	B117, D714 & D1654	Corrosion Resistance over 1,500 hours (Scribed per D1654; failure mode is accumulation of 1/8" coating loss from scribe or medium #8 blisters).
Impact Resistance	D2794	Impact Resistance over 60 inch lb. (Forward impact using 0.625" ball).
Weathering Resistance	D822 D2244, D523 (60° Method)	Weathering Resistance over 1,000 hours (Failure mode is 60% loss of gloss or color variance of more than 3 delta-E color units).

Table 3 – Montage Plus – Post Spacing By Bracket Type

Span	For CLASSIC, GENESIS, MAJESTIC, & WARRIOR 8' Nominal (91.95" Rail)					
Post Size	2-1/2"	2-1/2"	2-1/2"	3"	2-1/2"	3"
Bracket Type	Montage Plus Universal (BB112)	Montage Plus Line Blvd. (BB114)	Montage Plus Flat Mount (BB111)		Montage Plus Swivel (BB113)*	
Post Settings ± 1/4" O.C.	95"	95"	95"	95-1/2"	*95"	*95-1/2"

*Note: When using BB113 swivel brackets on either or both ends of a panel installation, care must be taken to ensure the spacing between post and adjoining pickets meets applicable codes. This will require trimming one or both ends of the panel.



MANUFACTURER: AMERISTAR
 MODEL: MONTAGE PANEL MAJESTIC 3R FLB 6T 8W
 (42" MINIMUM DEPTH TO MEET VILLAGE OF
 LINCOLNSHIRE FROST DEPTH)
 MATERIAL: BLACK ORNAMENTAL STEEL

MANUFACTURER: AMERISTAR
 MODEL: MONTAGE PANEL MAJESTIC 3R FLB 6T 8W
 PHOTO: CREDIT OF AMERISTARFENCE.COM
 MATERIAL: BLACK ORNAMENTAL STEEL

01 FENCE DETAIL

SCALE: 1/16"=1'-0"

NORR
 ARCHITECTS
 PLANNERS
 335 N. LaSalle St., Suite 600 | Chicago, IL 60654
 T 312-452-2900 | F 312-452-2924 | www.norr.com



PROJECT
THE GARDNER SCHOOL
 250 BARCLAY BLVD
 LINCOLNSHIRE, IL 60069

SK SUMMARY

#	Date	Issue
001	06/06/2016	FENCE DETAIL
002	07/25/2016	FENCE DETAIL

SK002
 FENCE DETAIL
 SHEET 1



Landscaping Specifications
THE GARDNER SCHOOL

250 Barclay Blvd.
Lincolnshire, IL 60069

Prepared: September 12, 2016

BY

NORR



©2016 Hortycopia, Inc.

Cornus stolonifera 'Cardinal'



©2016 Hortycopia, Inc.

Hemerocallis 'Happy Returns'

8/2/2016

1

Pictures and data in this report may not be reproduced without the express permission of Hortycopia, Inc.



©2016 Horticopia, Inc.

Hydrangea quercifolia



©2016 Horticopia, Inc.

Itea virginica 'Sprich (Little Henry®)'

8/2/2016

2

Pictures and data in this report may not be reproduced without the express permission of Horticopia, Inc.



©2016 Hortycopia, Inc.

Juniperus chinensis 'Sargentii Viridis'



©2016 Hortycopia, Inc.

Juniperus chinensis 'Sea Green'

8/2/2016

3

Pictures and data in this report may not be reproduced without the express permission of Hortycopia, Inc.



©2016 Horticipia, Inc.

Magnolia stellata



©2016 Horticipia, Inc.

Panicum virgatum

8/2/2016

4



©2016 Horticopia, Inc.

Rhus aromatica 'Gro-low'



©2016 Horticopia, Inc.

Spiraea japonica 'Little Princess'

8/2/2016

5

Pictures and data in this report may not be reproduced without the express permission of Horticopia, Inc.



©2016 Horticipia, Inc.

Taxus x media 'Densiformis'

8/2/2016

6

Pictures and data in this report may not be reproduced without the express permission of Horticipia, Inc.



©2016 Horticopia, Inc.

Amelanchier x grandiflora



©2016 Horticopia, Inc.

Celtis occidentalis

8/2/2016

1



©2016 Horticoxia, Inc.

Crataegus viridis 'Winter King'



©2016 Horticoxia, Inc.

Gymnocladus dioica

8/2/2016

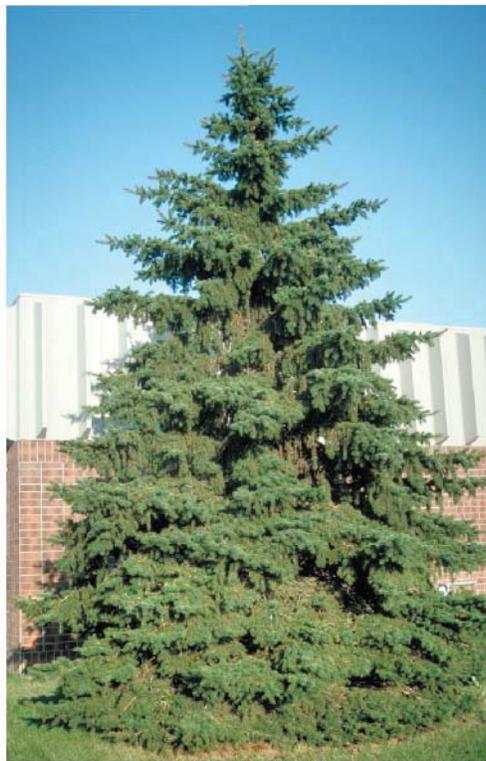
2

Pictures and data in this report may not be reproduced without the express permission of Horticoxia, Inc.



©2016 Horticipia, Inc.

Nyssa sylvatica



©2016 Horticipia, Inc.

Picea glauca

8/2/2016

3

Pictures and data in this report may not be reproduced without the express permission of Horticipia, Inc.



©2016 Hortycopia, Inc.

Pinus flexilis



©2016 Hortycopia, Inc.

Platanus x acerifolia

8/2/2016

4

Pictures and data in this report may not be reproduced without the express permission of Hortycopia, Inc.



©2016 Horticopia, Inc.
Quercus imbricaria



Lighting Specifications
THE GARDNER SCHOOL

250 Barclay Blvd.
Lincolnshire, IL 60069

Prepared: September 12, 2016

BY

NORR

CUT SHEET #4A051



75cm Bollard - Simulated Wood Finish



75cm Bollard
Stainless Steel Finish



Wall Sconce

FINISH TO BE GRAPHITE,
SEE BELOW FOR COLOR
CHART

TITANO *family*

Hunky Titano looks strong and modern in its polished stainless steel finish, but takes on a decidedly country feeling with a durable simulated wood finish option. Also available in die-cast aluminum with Graphite or Oxide finish. Four bollard heights & wall sconce to choose from. In five color temperatures. IP44 (sconce) or IP65

designed in Italy by
LANDA[®]
illuminotecnica





TITANO *family*

IP44/IP65* | Contemporary wet location fixture series for exterior lighting applications; available in multiple heights for use as pathway, bollard or wall sconce luminaires. Two lumen packages using Nichia 757d LEDs: 6010/5 LED option @ 10 watts (864 lumens) or 6010/7 LED option @ 14.5 watts (1217 lumens). All LEDs include +/- 60°K Micro Binning and 85+ CRI. Standard CCTs of 2700°K, 3000°K, 3500°K, 4000°K and 4500°K. Stainless steel AISI Type 316L for high resistance to corrosive environments. Stainless steel, Graphite, Oxide or durable heat-printed Faux Wood finish. UV-protected transparent polycarbonate lens. 120v-277v input voltage. (*IP44 wall sconce, IP65 all others).

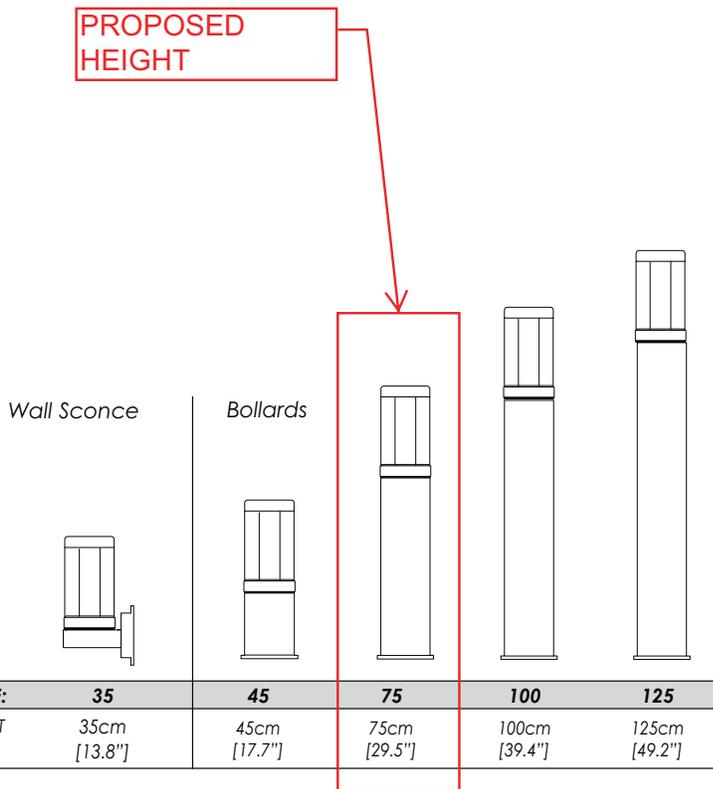


Finish Options



Graphite Oxide Stainless Steel Wood Finish

FINISH COLOR



VX-TNO-											
LED		CCT		FINISH		LENS		POWER SUPPLY		FIXTURE HEIGHT	
6010/5	864 Lumens 10 Watts	27	2700°K	GR	Graphite	PG	Clear Lens	STD	Standard Non-Dim/ 0-10v dimming [120v-277v]	WS	Wall Sconce (IP44)
6010/7	1217 Lumens 14.5 Watts	30	3000°K	OX	Oxide			DIM	eldoLED 0-10v dimming [120v-277v]	45	45cm Bollard
		35	3500°K	SS	Stainless Steel					75	75cm Bollard
		40	4000°K	WD/GR	Wood/Graphite					100	100cm Bollard
		45	4500°K	WD/OX	Wood/Oxide					125	125cm Bollard
				WD/SS	Wood/Stainless Steel						

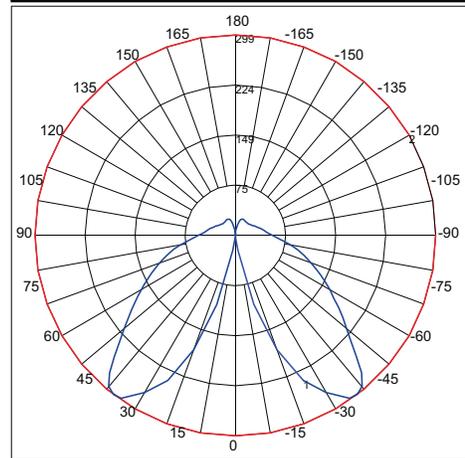
TITANO *family*

LED Fundamentals		
LED Board	6010/5	6010/7
Lumen Output	864 lm	1217 lm
Power Consumption	10 Watts	14.5 Watts
CRI	85+	85+
CCT Options	2700°K, 3000°K, 3500°K, 4000°K, 4500°K	2700°K, 3000°K, 3500°K, 4000°K, 4500°K
Applied LED	Nichia 757d	Nichia 757d
Binning	±60°K	±60°K
LED Efficacy	138 lm/w	138 lm/w
Fixture Efficacy	90	85
Electrical Data		
Driver Type	Constant Current 500mA	Constant Current 700mA
Voltage	120-277 VAC	120-277 VAC
Power Factor	>0.98	>0.99
Input Current	0.08 A	0.12 A
Frequency	50/60hz	50/60hz
Operating Ambient Temperature	-22° to 140° F [-30° to 60° C]	-22° to 140° F [-30° to 60° C]
Photometrics		
B.U.G. Rating	B0 - U3 - G1	B1 - U3 - G1

Data Based on 3500°K CCT
IES Files Available @ vltledoutdoor.com



Polar Graph

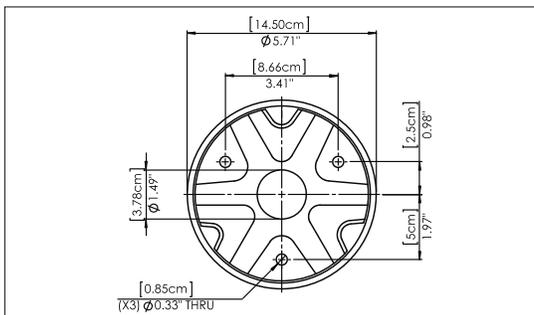


Maximum Candela = 298.9 Located at Horizontal Angle = 0, Vertical Angle = 37.5
#1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
#2 - Horizontal Cone Through Vertical Angle (37.5) (Through Max. Cd.)
Polar graph data based on 6010/7 LED Board

Approx. Fixture Shipping Weights

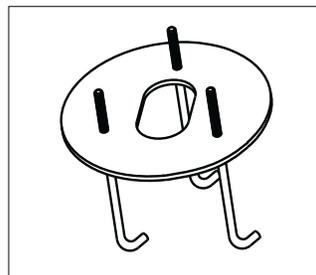
	lbs.	kg
WS	8	3.62
45	9	4.1
75	14	6.4
100	17	7.7
125	20	9.1

Base Dimensions



Optional Accessories

J-Bolt:



Catalog No. VX-AC-400-MK

Hardware:



Catalog No. VX-AC-HW-M6-PWD



Catalog No. VX-AC-HW-M6-VDL



Type _____

Job _____

Catalog Number:

VX - TNO - _____

LED CCT FINISH LENS POWER SUPPLY FIXTURE HEIGHT

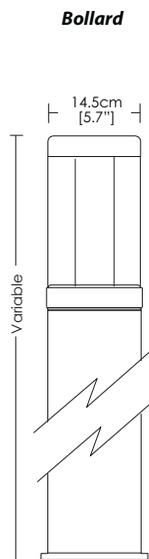
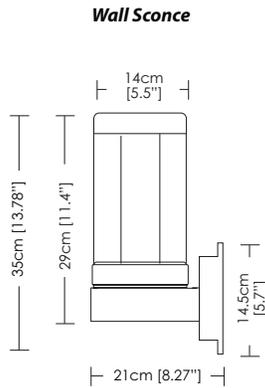
SEE PAGE 18

Approvals:

Date:

Page _____ of _____

SPECIFICATIONS



LED BOARD/ELECTRICAL:	10w or 14.5w proprietary LED module features Nichia 757d LEDs (+/-60° binning); two lumen options. Circular LED board mounted in fixture cap above white painted steel reflector.		
CCT OPTIONS:	2700°K, 3000°K, 3500°K, 4000°K, 4500°K		
FINISH:	Graphite or Oxide: Multi-step process including chemical passivation of aluminum for high resistance to oxidation; electrostatically applied, thermally cured, polyester powdercoat. Stainless Steel: AISI Type 316L Wood Finish: Multi-step process including chemical passivation of aluminum for high resistance to oxidation; heat-fusion application of realistic wood grain pre-printed film transfer.		
LENS:	Transparent, UV-stabilize polycarbonate lensing with silicon gaskets.		
POWER SUPPLY:	STD: Standard Non-Dim/ 0-10v dimming (120-277v 50/60Hz input) - Hatch Constant Current (Class 2) Driver; 500 mA or 700 mA, depending on Lumen/Wattage package selected; dims via 0-10v. Temperature range -22° - 140°F [-30° - 60°C]. DIM: Dimmable 0-10v (120-277v) - EldoLED Constant Current (Class 2) Driver; Factory programmable 500 mA or 700 mA, depending on Lumen/Wattage package selected; dims via 0-10v. Temperature range -4° - 122°F [-20° - 50°C].		
HOUSING:	Die-cast, stone washed aluminum EN47100 (Graphite or Oxide finish), or Stainless Steel AISI type 316L or Aluminum AW 6060 (simulated wood finish). Sections fasten together with stainless steel screws. Riser: Die-cast: 14cm [5.5"] diameter, typical wall thickness 0.2cm [0.078"]; Extruded (simulated wood finish): 0.14cm [0.055"] Bollard Base: 14.5cm [5.7"] diameter; stainless steel hardware Variable Height (See Page 18) Wall Sconce: H:35cm [13.75"] x W:14.0cm [5.5"] x D:21cm [8.25"] from mounting surface		
MOUNTING:	Includes (x3) expansion anchor bolts. Optional J-Bolt kit for new concrete pour (see pg. 66) Additional vandal resistant & finished hardware also available (see pg.68)		
DELIVERED LUMENS/BUG RATING: (3500°K used for all photometric testing)	6010/5 LED Board	864 Lumens	B0 - U3 - G1
	6010/7 LED Board	1217 Lumens	B0 - U3 - G1
LISTINGS & TESTS:	Wet location ETL Listed to UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires. RoHS compliant.		
WARRANTY & LIFE:	5 year limited warranty (see pg. 79); 50,000 HR lifetime (T _a = -25°C to 40°C; T _c max 75°C)		
CAUTION:	Fixtures must be installed and grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.		
SITE PREPARATION:	Prior to installation, a firm, level mounting surface must be provided by others. When installing in planting areas, bollard base should be slightly elevated to avoid prolonged submersion during heavy rains or watering. See detailed installation instructions at vltledoutdoor.com		

**VLT RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.
VISIT WWW.VLTLEDOUTDOOR.COM FOR CURRENT CUT SHEETS, APPLICATION PHOTOS,
AND MOST RECENT IES FILES.**

Specifications/Features

Housing/Mounting

Specification grade 4" remodel housing, 5-1/4" O.D. plaster ring flange. 4-7/8" Ceiling opening.

16 Gauge galvanized steel housing with die-cast aluminum heat sink. Requires minimum 3" clearance around fixture from insulation material. Thermal protection provided in case of improper insulation use. Heavy duty steel plaster ring is secured to ceiling by three (3) spring clamps.

LED drivers are fully accessible from below the ceiling, and can be easily removed.

Quick-connect LED light engine enables easy installation and removal.

Electrical

UL8750 and Class 2 Compliant; RoHS Compliant, US only.

Output over voltage, over-current and short circuit protection.

Approved for through-circuit wiring. Max.: (4) 12 AWG (2in/2out).

Pre-wired junction box with convenient screwdriver pry-outs. (4) 1/2" concentric knockouts.

Lamp

Light engine consists of a high output multi-chip LED array arranged into a single LED package, enabling precise optical control without requiring lensing to diffuse multiple LED sources.

Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance.

Dimming

All R4RM downlights are available for non-dimming and dimming applications.

For a list of compatible dimmers, refer to [Dimming Specifications](#) sheet.

Trims

Specification Grade trims are available in several different styles and finishes for your space. Featuring a high quality Alzak™ finish; optically designed for reduced glare while maintaining maximum lumen output. See "4" LED Recessed Trims" spec sheet for information and details.

Warranty

This complete fixture is covered by ConTech's full five (5) year replacement guarantee after date of purchase.

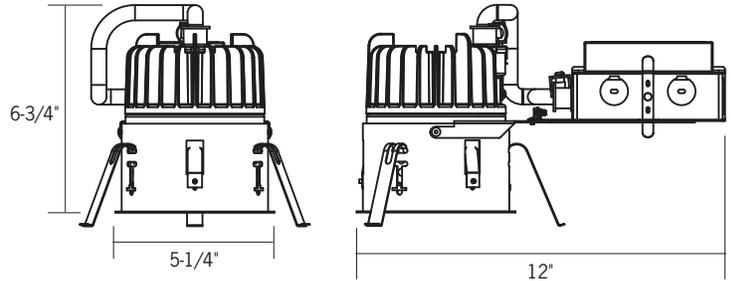
Labels/Usage

cCSAus Certified to UL Standards. Suitable for damp locations.

Energy Star certified with the following trims: C4322-PL, C4322-WHT and C4322-CLR (all beam distributions). The -C option is not certified.

eldoLED dimming options are not Energy Star certified.

Assembled in the USA.



Ceiling Opening: 4-7/8"
Ceiling Thickness: 1/2" – 5/8"

	Series 1	Series 2	Series 3	Series 4	Series 5	Series 6
Input Wattage (W)	10	14	20	28	37	43
Input Current (A) 120/277	.08/.04	.12/.06	.17/.08	.23/.11	.31/.14	.36/.17
Input Voltage						
Dimming (Triac, ELV, 0-10V)	120V AC, 50/60Hz					
	277V AC, 50/60Hz					
Lutron HiLume® Dimming	120V AC, 50/60Hz					
Lutron Eco-System® Dimming	120V AC, 50/60Hz					
	277V AC, 50/60Hz					
eldoLED ECOdrive/SOLOdrive/POWERdrive DMX	120V AC, 50/60Hz					
	277V AC, 50/60Hz					
Color Temp	2700K/3000K/3500K/4000K					
CRI Standard/High	83 (80min) / 90+					
Driver						
Power Factor	> 0.90					
THD	< 20%					
Dimming						
Triac, ELV, 0-10V	10-100%					
Lutron®	1-100%					
eldoLED ECOdrive	1-100%					
eldoLED SOLOdrive	0.1-100%					
eldoLED POWERdrive DMX	0-100%					

Ordering Information

Example Order:

Housing	LED Series	Color Temp	Electrical	Dimming
R4RM				

R4RM	1 - 10W, 1000lm 2 - 14W, 1400lm 3 - 20W, 2000lm 4 - 28W, 2600lm 5 - 37W, 3200lm 6 - 43W, 3600lm	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 27KC - 2700K, 90+ CRI 30KC - 3000K, 90+ CRI 35KC - 3500K, 90+ CRI 40KC - 4000K, 90+ CRI	12- 120V 27- 277V	D1 - Triac, ELV, 0-10V Dimming D3² - Lutron Hi-lume 1% 2-Wire LED Driver (120V Forward Phase Only) D4 - Lutron Hi-lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black D6³ - eldoLED ECOdrive, 0-10V, 1% Dimming D7³ - eldoLED ECOdrive, DALI, 1% Dimming D8³ - eldoLED SOLOdrive, 0-10V, 0.1% Dimming D9³ - eldoLED SOLOdrive, DALI, 0.1% Dimming DMX^{3,4} - eldoLED POWERdrive, DMX 0.0% Dimming
-------------	--	--	------------------------------------	---

1. Triac and ELV dimming for 120V only
 2. Lutron Hi-Lume dimming only available in 120V
 3. eldo LED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.
 4. Verify DMX Driver and Control System compatibility with factory prior to ordering.

Trims

See "4" LED Recessed Trims" sheet for trim information and details.



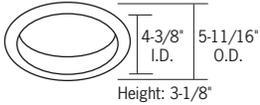
Specification Grade Specular Reflector

Specification grade specular reflector: narrow beam clear, medium beam clear, wide beam clear, platinum, or white. OD: 5-11/16"; ID: 4-3/8"

Add "-C" after finish code for wet location approved trim. *Narrow Beam and White Reflector cannot be wet location approved.*

- C4322N-CLR*** - Narrow Beam (36°), Clear Reflector
- C4322M-CLR*** - Medium Beam (54°), Clear Reflector
- C4322W-CLR*** - Wide Beam (80°), Clear Reflector
- C4322-PL*** - Platinum Reflector
- C4322-WHT** - White Reflector

*Available with White Painted Flange, add "-WPF" to part number

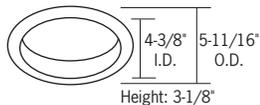


Two Piece Reflector Trim

Two piece reflector: clear or white upper reflector, clear or platinum lower cone; Includes (1) LF20-CL glass lens. OD: 5-11/16"; ID: 3-1/2"

Approved for dry/damp locations. Approved for wet locations when glass lens is installed.

- C4321-CLR-(CLR,PL)** - Clear Reflector/Clear or Platinum Lower Cone
- C4321-WHT-(CLR,PL)** - White Reflector/Clear or Platinum Lower Cone

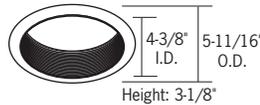


Two Piece Reflector/Baffle Trim

Two piece reflector: clear or white upper reflector, black or white lower baffle; Includes (1) LF20-CL glass lens. OD: 5-11/16"; ID: 3-1/2"

Approved for dry/damp locations. Approved for wet locations when glass lens is installed.

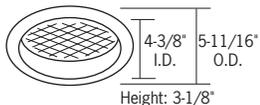
- C4321-CLR-(B,P)** - Clear Reflector/Black or White Lower Baffle
- C4321-WHT-(B,P)** - White Reflector/Black or White Lower Baffle



Two Piece Reflector Trim with Lens

Two piece reflector with lens: Clear or white upper reflector, clear or platinum lower cone; regressed prismatic convex lens, Wet Location Listed. OD: 5-11/16"; ID: 3-7/8"

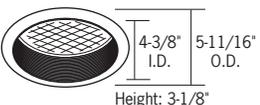
- C4327-CLR-(CLR,PL)** - Clear Reflector/Clear or Platinum Lower Cone
- C4327-WHT-(CLR,PL)** - White Reflector/Clear or Platinum Lower Cone



Two Piece Reflector/Baffle Trim with Lens

Two piece reflector with lens: Clear or white upper reflector, black or white lower baffle with regressed prismatic convex glass lens; 1-1/2" Regress. Wet Location Listed. OD: 5-11/16"; ID: 3-7/8"

- C4327-CLR-(B,P)** - Clear Reflector/Black or White Lower Baffle
- C4327-WHT-(B,P)** - White Reflector/Black or White Lower Baffle



Lensed Wall Wash Trim

Lensed Wall Wash Trim; Clear, Platinum or White Reflector. OD: 5-11/16"; ID: 4"

- C4323-CLR*** - Clear Reflector
- C4323-PL*** - Platinum Reflector
- C4323-WHT** - White Reflector

*Available with White Painted Flange, add "-WPF" to part number



Floating Glass Trim

Floating glass disc; clear or white reflector. 1-1/4" Drop from ceiling. Glass OD: 6".

CTR4325L-(CLR,WHT)-P



Floating Glass Ring

Floating glass ring; clear or white reflector. 1-1/4" Drop from ceiling; 3-1/2" center hole. Glass OD: 6".

CTR4326L-(CLR,WHT)-P



Floating Single Acrylic Ring

Single floating colored acrylic ring; clear or white reflector. 1-1/2" Drop from ceiling. Acrylic Ring OD: 6"; ID: 4-3/8".

**CTR4324L-(CLR,WHT)-P
1AR4(B,F,G,R,Y)**



Floating Double Acrylic Ring

Stacked floating colored acrylic rings; clear or white reflector. 2-3/4" Drop from ceiling. Acrylic Ring OD: 6"; ID: 4-3/8".

**CTR4324L-(CLR,WHT)-P
2AR4(B,F,G,R,Y)**



Acrylic Ring Finishes: -B (blue), -F (frosted), -G (green), -R (red), -Y (yellow)

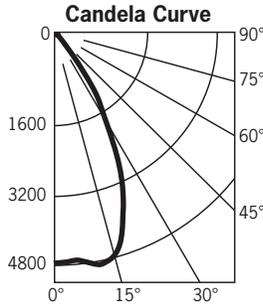
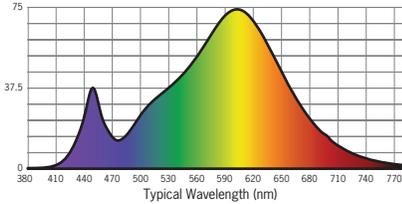
Multiplication Factors

CCT	STD CRI	HIGH CRI	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	WHT/PL REFLECTORS
2700K	0.94	0.70	0.29	0.39	0.53	0.73	0.90	1.0
3000K	N/A	0.75	0.29	0.39	0.53	0.73	0.90	1.0
3500K	1.0	0.81	0.29	0.39	0.53	0.73	0.90	1.0
4000K	1.0	0.87	0.29	0.39	0.53	0.73	0.90	1.0

R4NC630K12D/C4322M-CLR

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85098

Light Output (Fixture Delivered Lumens): 3603
 Total Watts@120V: 43.0
 Lumens Per Watt: 83.8
 Color Rendering Index (CRI)¹: 83
 Color Temperature (CCT)²: 2988K
 Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4747	
5	4706	455
15	4680	1278
25	2956	1316
35	815	514
45	30	24
55	11	11
65	4	4
75	1	1
85	0	0
95	0	

Intensity Distribution

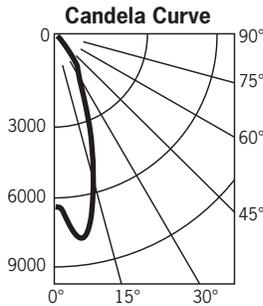
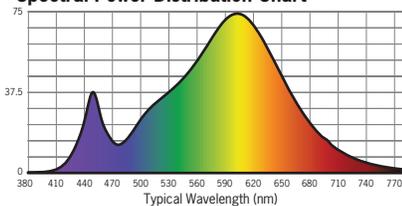
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	131.9	5.4
8'	74.2	7.2
10'	47.5	9.0
12'	33.0	10.8
14'	24.2	12.6
16'	18.5	14.4

Beam Distribution: 54°
 Spacing Criteria: 0.82

R4NC630K12D/C4322N-CLR

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85317

Light Output (Fixture Delivered Lumens): 3567
 Total Watts@120V: 43.0
 Lumens Per Watt: 83.0
 Color Rendering Index (CRI)¹: 82
 Color Temperature (CCT)²: 3027K
 Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6579	
5	7684	716
15	5015	1377
25	1967	950
35	780	462
45	46	36
55	18	17
65	6	7
75	2	2
85	0	0
95	0	

Intensity Distribution

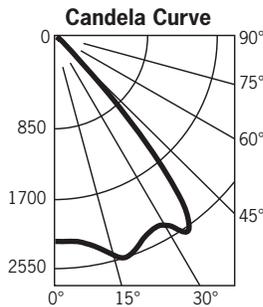
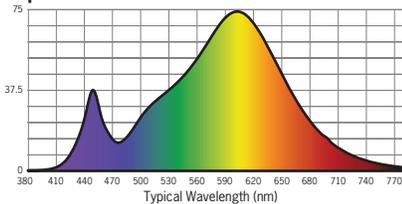
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	182.8	3.9
8'	102.8	5.3
10'	65.8	6.6
12'	45.7	7.9
14'	33.6	9.2
16'	25.7	10.5

Beam Distribution: 36°
 Spacing Criteria: 0.63

R4NC630K12D/C4322W-CLR

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 84842

Light Output (Fixture Delivered Lumens): 3749
 Total Watts@120V: 44.4
 Lumens Per Watt: 84.4
 Color Rendering Index (CRI)¹: 82
 Color Temperature (CCT)²: 3025K
 Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2248	
5	2256	218
15	2506	701
25	2356	1102
35	2448	1380
45	222	294
55	43	41
65	11	11
75	2	2
85	0	0
95	0	

Intensity Distribution

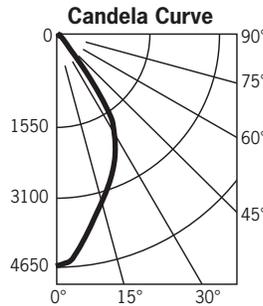
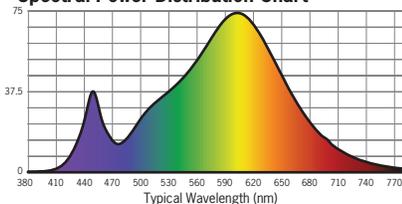
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	62.4	8.9
8'	35.1	11.9
10'	22.5	14.9
12'	15.6	17.9
14'	11.5	20.8
16'	8.8	23.8

Beam Distribution: 80°
 Spacing Criteria: 1.19

R4NC630K12D/C4322-PL

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85318

Light Output (Fixture Delivered Lumens): 3423
 Total Watts@120V: 43.0
 Lumens Per Watt: 79.6
 Color Rendering Index (CRI)¹: 82
 Color Temperature (CCT)²: 3033K
 Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4582	
5	4309	395
15	3376	949
25	2619	1194
35	1191	725
45	140	116
55	33	33
65	8	9
75	2	2
85	0	0
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	127.3	4.8
8'	71.6	6.4
10'	45.8	8.0
12'	31.8	9.6
14'	23.4	11.3
16'	17.9	12.9

Beam Distribution: 57°
 Spacing Criteria: 0.80

1. Accuracy of rendering colors
 2. Color appearance of light source
 3. Colors present within the light source

*Dependent on surrounding temperatures

Caterham Collection

Caterham Large Fluorescent Outdoor Wall Lantern-OZ

49644OZFL (Olde Bronze)



Dimensions

Height	17.50"
Width	10.00"

Project Name: _____
 Location: _____
 Type: _____
 Qty: _____
 Comments: _____

Ordering Information

Product ID	49644OZFL
Finish	Olde Bronze
Available Finishes	OZ, OZ
Collection	Caterham Collection

Dimensions

Extension	10.75"
Height from center of Wall opening	4.50"
Base Backplate	4.50 X 9.00
Weight	6.60 LBS

Specifications

Material	Aluminum
Glass Description	Sain Etched Cased Opal

Electrical

Voltage	120V
---------	------

Qualifications

Safety Rated	Wet
Title 24	Yes
Warranty	www.kichler.com/warranty

Primary Lamping

Light Source	Fluorescent
Lamp Included	Included
Number of Lights/LEDs	1
Initial Lumens	1650
Max or Nominal Watt	26W
Socket Wire	105
Socket Type	GU24
Lamp Type	MLS26GUWW
Bulb Product ID	4045

Notes:

- 1) Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.
- 2) Incandescent Equivalent: The incandescent equivalent as presented is an approximate number and is for reference only.

ASL SERIES

LUMINAIRE POLE COMBO

Cat.#

Job

All Finishes to be Anodized Dark Bronze

Type



HUBBELL
Outdoor Lighting

Approvals

LUMINAIRE AND POLE

SPECIFICATIONS

Construction:

- Stylish vertically finned die-cast and extruded aluminum for maximum heat dissipation
- Separate optical and electrical compartment for improved thermal management and optimum component operation
- EPA: 8L – .50ft²
16L – .62 ft²
24L – .74 ft²

Optics:

- Premium engineered individual acrylic lenses deliver IES Type III and IV distributions
- Lens distributions are field rotatable (in 90° increments) or exchangeable for job site fine-tuning
- 4000K or 5000K (70 CRI) CCT
- Zero uplight

Electrical:

- Configured with 8, 16, or 24 high current and high output LEDs to replace 150, 250 and 400W HID respectively
- Universal 120-277 VAC input voltage, 50/60 Hz
- Single driver, 2100mA drive current
- 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 10KA and 10KV 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 consumed

Controls:

- 0-10V dimming drivers standard option for occupancy
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)

Installation:

- Tool-less entry to wiring/driver compartment
- Universal mounting block works with #2 drill pattern (See page 3 illustration)
- Fixture ships with slotted mounting block to accommodate wide range of drill patterns for easy retrofit opportunities (See page 3 illustration for dimensions)

Finish:

- Dark Bronze (textured) TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

Listings:

- DesignLights Consortium (DLC) qualified, consult DLC website for more details: <http://www.designlights.org/QPL>
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- IP65 optical assembly
- IDA approved

SSS-H POLE

APPLICATIONS

- Lighting installations for side mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION

- SHAFT: One-piece straight steel with square cross section, flat sides and minimum 0.238" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- BASE COVER: Two-piece square aluminum base cover included standard
- POLE CAP: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- HAND HOLE: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- ANCHOR BOLTS: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

FINISH

- Dark Bronze (textured) TGIC thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in seven standard colors; Custom colors available; RAL number preferable; Internal protective coating available

All Single Head ASL Configurations paired with 25' poles include

VM2 - VIBRATION DAMPER 2ND MODE

Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.



CERTIFICATIONS/LISTINGS



MOUNTING ORIENTATION

SINGLE DOUBLE @ 180°



Denotes handhole location

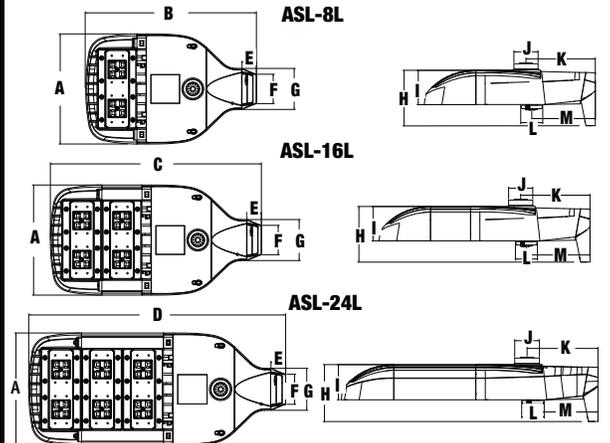
PRODUCT IMAGE(S)

ASL-24L

ASL-16L

ASL-8L

DIMENSIONS



A	B	C	D	E	F	G
11.7"	17.25"	22.4"	26.6"	1.5"	3.1"	4.3"
297 mm	438 mm	569 mm	675 mm	38 mm	78 mm	109 mm

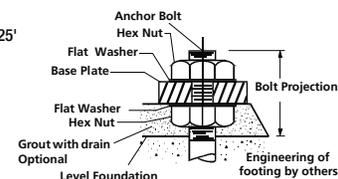
H	I	J	K	L	M
5.9"	3.6"	2.5"	7.4"	2.3"	6.7"
150 mm	91 mm	63 mm	188 mm	58 mm	170 mm

SHIPPING INFORMATION

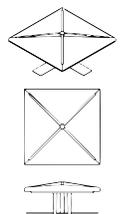
Catalog Number	G.W(kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
ASL-8L	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
ASL-16L	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)
ASL-24L	24 (10.8)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

BASE DETAIL

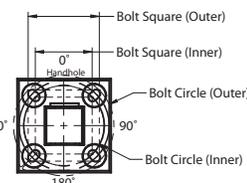
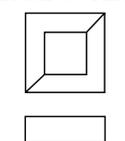
Overall Height 16' - 25'



POLE CAP



BASE COVER



Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

© 2016 HUBBELL OUTDOOR LIGHTING, All Rights Reserved • For more information visit our website: www.hubbelloutdoor.com • Printed in USA

ASLLED-SPEC 4/16

ORDERING INFORMATION

Ordering Logic* - All Configurations Dark Bronze Finish (textured)



PRODUCT SERIES	LUMENS	LED CCT	DISTRIBUTION	7-PIN TWIST LOCK PC RECEPTACLE	POLE
A	6 6K Nominal (ASL 8L) 12 12K Nominal (ASL 16L) 18 18K Nominal (ASL 24L)	N 4000K C 5000K	T3 Type 3 T4 Type 4	7PR Includes Receptacle - No Receptacle	S16 16' Square Straight Steel S20 20' Square Straight Steel S25 25' Square Straight Steel

SINGLE OR DOUBLE HEAD CONFIGURATION @180 DEG.
 - Single Head
 2X Double Head @180 Deg.




ANCHOR BOLTS
 - With Anchor Bolts/Template
LAB Less Anchor Bolts/Template

***25 piece max order size for 10-day shipment.**

ACCESSORIES - Order Separately

Catalog Number	Description
TAB30M38	3/4" x 30" x 3" anchor bolt set (four individual bolts)
93062959	SSS-H Series pole anchor bolt template
PTL-1	Photocontrol-twist-lock cell (120V) - requires 7PR option
PTL-8	Photocontrol-twist-lock cell (120V-277V) - requires 7PR option
PSC	Shorting-cap-twist-lock - requires 7PR option

ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
8	1@(2100mA)	120	62	0.52
		208	62	0.30
		240	62	0.26
		277	62	0.22
16		120	123	1.03
		208	123	0.60
		240	123	0.52
		277	123	0.45
24		120	181	1.49
		208	181	0.86
		240	181	0.74
		277	181	0.64

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE		LUMEN MULTIPLIER
0° C	32° F	1.06
10° C	50° F	1.03
20° C	68° F	1.01
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.97
50° C	122° F	0.94

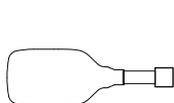
Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

PROJECTED LUMEN MAINTENANCE

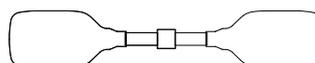
Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	TM-21-11 ¹ L90 36,000	50,000	100,000	
25°C / 77°F	1.00	0.93	0.90	0.86	0.75	>125,000
40°C / 104°F	0.99	0.90	0.86	0.81	0.67	>88,000

1. Projected per IESNA TM-21-11 (* Cree XP-L, 2100mA, 105°C Ts, 6,000hrs)

EPA

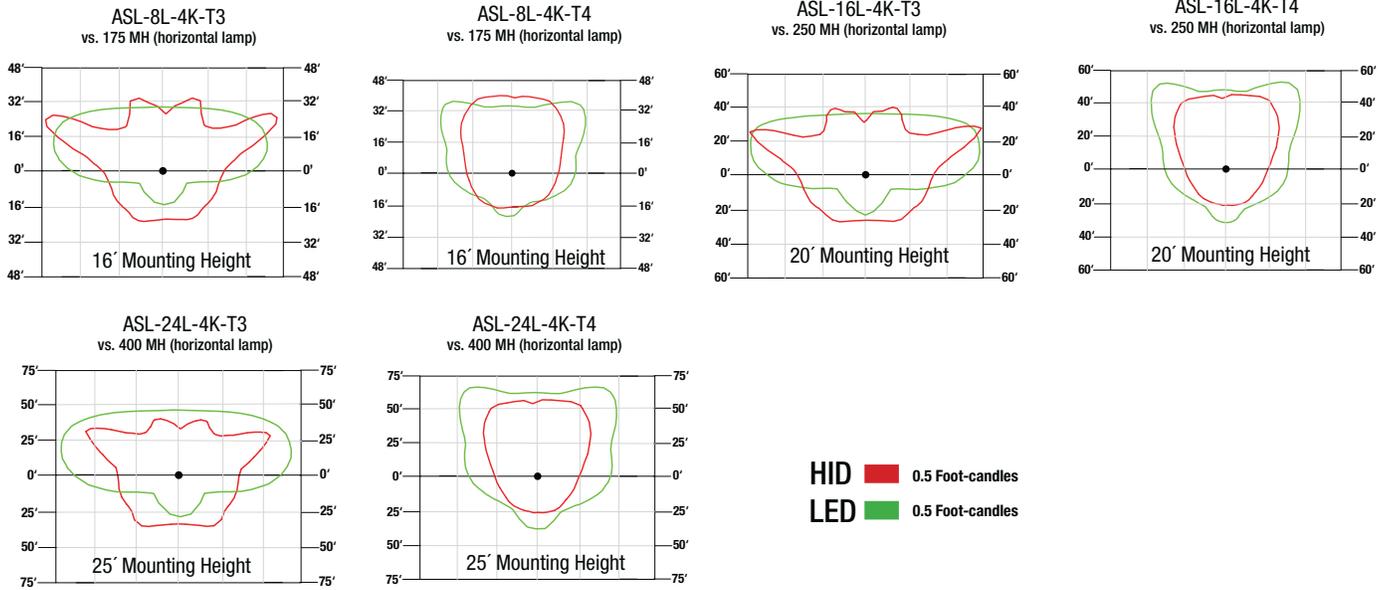


Config.	Luminaire	EPA
1 @ 90°	ASL8L	.50
	ASL16L	.62
	ASL24L	.74



Config.	Luminaire	EPA
2 @ 180°	ASL8L	1.00
	ASL16L	1.24
	ASL24L	1.48

PHOTOMETRICS



PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					
				LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G	
8	2100	62	3	6139	99	1	0	1	5624	91	1	0	1	
			4	6285	101	1	0	1	5757	93	1	0	1	
16		123	3	12175	99	2	0	2	11153	91	2	0	2	
			4	12463	101	2	0	2	11417	93	2	0	2	
24		181	181	3	17863	99	3	0	3	16364	90	3	0	3
				4	18287	101	2	0	2	16752	93	2	0	2

1 - Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ARM/MOUNTING BLOCK

Fixture ships with universal mounting block for ease of installation. Compatible with #2 drill pattern.



Standard ASCE7-05 Wind Map																						
Pole Height (4" Sq x 0.125" wall thickness)	85 MPH Zone			90 MPH Zone			100 MPH Zone			105 MPH Zone (HI)			110 MPH Zone			120 MPH Zone			145 MPH Zone (PR)			
	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	
Allowable EPAs (ft/sq)	19	12.7	7.3	16.7	10.9	5.9	13	7.9	3.8	11.5	6.9	2.9	7.9	4.2	0.8	7.9	4.2	0.8	4.1	1.3	NR	
ASL Series - Single																						NR
ASL Series - DBL @ 180 deg.																					NR	NO ASL 24

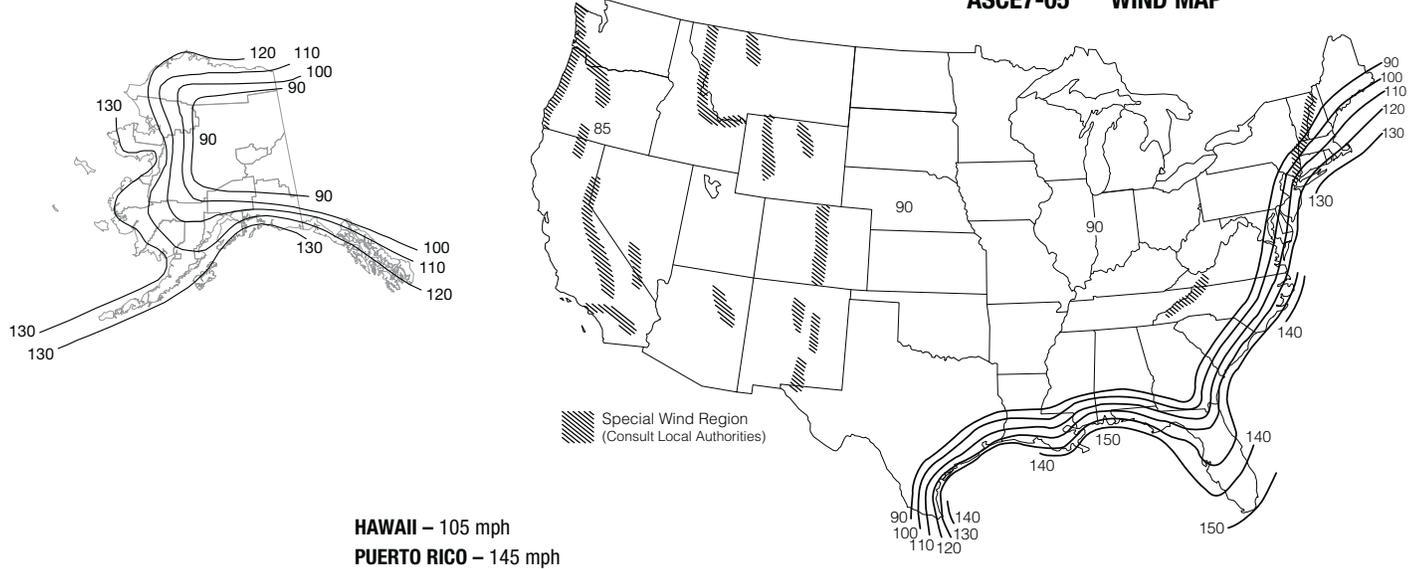
Florida Region Wind Map (2010 Building Code)																								
Pole Height (4" Sq x 0.125" wall thickness)	115 MPH Zone			120 MPH Zone			130 MPH Zone			140 MPH Zone			150 MPH Zone			160 MPH Zone			170 MPH Zone			180 MPH Zone		
	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'	16'	20'	25'
Allowable EPAs (ft/sq)	20.8	13.6	7.4	18.7	11.9	6.2	15.2	9.2	4.1	12.3	7.1	2.5	10.1	5.3	1.1	8.2	3.9	NR	6.7	2.7	NR	5.4	1.7	NR
ASL Series - Single																		NR			NR			NR
ASL Series - DBL @ 180 deg.																		NR			NR			NR

Acceptable
Includes Vibration Damper¹
ASL-24 Exceeds Allowable Pole EPA
Not Recommended

Florida Building Code utilizes a different calculation method than ASCE, which results in different allowable EPAs. Consult your local authorities to determine which standard to use for your project

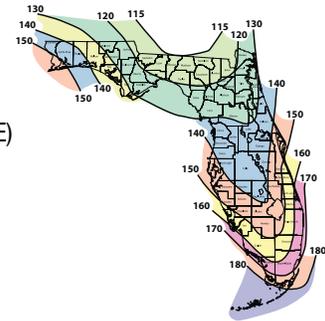
Notes: ¹ Pole used in program includes a vibration damper (VM2 style) due to low luminaire EPA and 25' mounting height. *Consult the complete list of pole notes on the pole specification sheets located on the Hubbell Lighting web site.

ASCE7-05 WIND MAP



FLORIDA REGION WIND MAP (2010 FLORIDA BUILDING CODE)

- Florida region wind map above is based upon 3-second gust winds and the 2010 Florida Building Code



NOTES

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Hubbell Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations. http://cdn.hubbelloutdoor.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HL010022.pdf
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

Due to our continued efforts to improve our products, product specifications are subject to change without notice.



HUBBELL
Outdoor Lighting

Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000
Due to our continued efforts to improve our products, product specifications are subject to change without notice.



HUBBELL
Lighting

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for signs, flags, building facades and landscaping.

CONSTRUCTION — Compact NEMA heavy-duty construction. Die-cast aluminum housing & front bezel. Bezel removable via position-oriented hinge-cam design. Lens is thermal and shock-resistant, 1/8" clear tempered glass.

FINISH — Standard finish is dark bronze (DDB) corrosion-resistant polyester powder finish with other architectural colors available.

OPTICAL SYSTEM — Three distributions from very wide to medium narrow are available. RB and RG reflectors (horizontal lamp) feature one-piece anodized aluminum-faceted parabolic construction (semi-specular or specular) for high performance and efficiency. TA reflectors (vertical lamp) are highly effective die-formed semi-specular aluminum (Not available with 150M or 175M).

ELECTRICAL SYSTEM — Ballast: High Pressure Sodium – Reactor normal power factor ballast is standard 120V (HX – HPF is optional for 120V). All other voltages are standard high reactance, high power factor. Metal halide – High reactance, high power factor for 50-150W and standard with pulse start ignitor technology and constant-wattage autotransformer for 175W. All ballasts use copper-wound and 100% factory-tested. Electrical components are mounted to the cast aluminum housing, promoting maximum heat dissipation. Socket: Porcelain, horizontally- or vertically-oriented, medium base socket with copper alloy, nickel-plated screw shell with center contact.

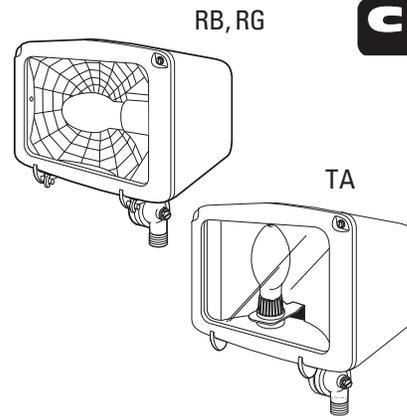
CSA, NOM or INTL required for probe start shipments outside of the US for 175M. Not available 175M SCWA.

INSTALLATION — Die-cast aluminum 1/2" NPSM threaded mounting knuckle is standard. Steel painted mounting yoke is optional.

LISTING — UL Listed. CSA or NOM Certified (see Options). UL Listed for wet locations and 25°C ambient temperature. IP65 rated.

NOTE: Specifications subject to change without notice.

Catalog Number	
Notes	Type



CONTOUR
SERIES

Floodlighting

TFM

METAL HALIDE

50-175W

HIGH PRESSURE SODIUM

35-150W

Specifications

Height: 10.6 (26.9)

Width: 10.6 (26.9)

Depth: 6.9 (17.5)

*Weight: 14.05lbs (6.37kg)

EPA: 0.5

*Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.

Finish to be Medium Bronze

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: TFM 100M RB TB SCWA LPI

Series	Wattage	Distribution	Voltage	Ballast	Options	Lamp ¹⁵	Finish ¹³
TFM	<u>Metal halide</u>	TA (7 x 6)	120	(blank) Magnetic ballast	<u>Shipped installed in fixture</u>	LPI Lamp included	
	50M ¹	RB (5 x 6)¹	208 ^{3,4}	CWI Constant wattage isolated	SF Single fuse (120, 277, 347V) ^{2,10}	L/LP Less lamp	
	70M ¹	RG (3 x 3) ¹	240 ^{3,4}	Pulse Start	DF Double fuse (208, 240, 480V) ^{2,10}		
	100M¹		277 ³	SCWA Super SCWA pulse start ballast ¹⁶	PE Photocell ¹⁰		
	150M		347 ³		YK Yoke mounting		
	175M^{1,2}		480 ^{3,4}		C62 2' 16-3 SEO cord prewired		
	<u>Ceramic metal halide</u>		TB^{3,6}		C42 2' 14-3 SEO cord prewired		
	50MHC		TBV ^{3,7,8}		C22 2' 12-3 SEO cord prewired		DNA Natural aluminum
	70MHC		23050HZ ⁹		CSA CSA Certified ¹¹		DBL Black
	100MHC				NOM NOM Certified		DSB Steel blue
	150MHC				INTL International shipment for 175M		DMB Medium bronze
	<u>High pressure sodium¹</u>				<u>Shipped separately¹²</u>		DGC Charcoal gray
	35S				WG Wire guard		DTG Tennis green
	50S				VG Vandal guard		DBR Bright red
	70S				UV Upper visor		DSS Sandstone
	100S				FV Full visor		DWH White
	150S				TS Tenon slipfitter (2-3/8" OD tenon)		CR Enhanced corrosion-resistant
							CRT Non-stick protective coating ¹⁴

NOTES:

- Not available with SCWA.
- Not available with TA reflector.
- High reactance, HPF ballast (XHP) for HPS.
- Must specify CWI for use in Canada.
- Not available in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V). In Canada 120, 277, 347V; ships as 120/347.
- Optional 5-tap ballast (120, 208, 240, 277, 480V).
- Only available with 175W.

- Consult factory for available wattage.
- Must specify voltage. Not available with TB or TBV.
- Not available with TBV.
- May be ordered as an accessory.
- See www.lithonia.com/archcolors for additional color options.
- Black finish only.
- Must be specified.
- Available with 150M or 150MHC only.

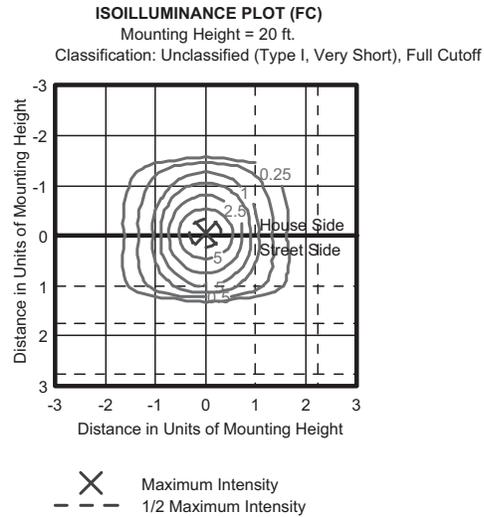
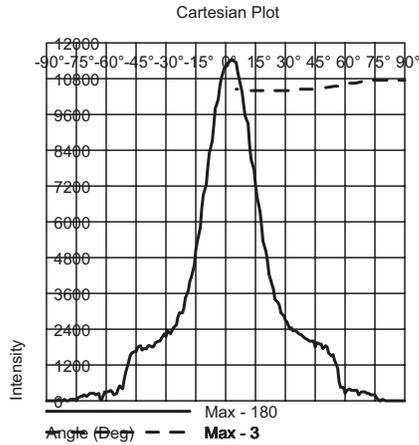
Accessories:

Order as separate catalog number.

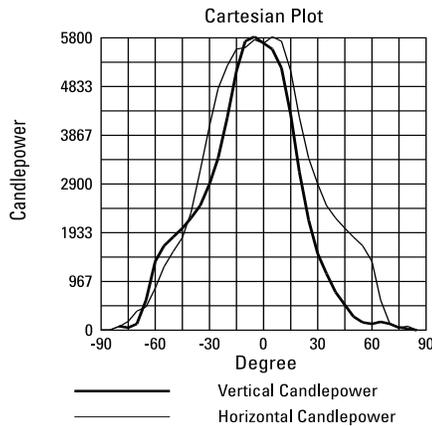
TFMWG	Wire guard
TFMVG	Vandal guard
TFMUV	Upper visor
TFMFV	Full visor
TFMTS	Tenon slipfitter (2-3/8" OD tenon)

TFM Floodlight

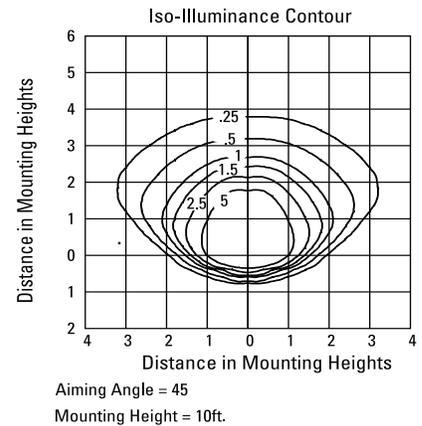
TFM 150MHC RB, (horizontal lamp), 150W ceramic metal halide lamp, 14,000 rated lumens, test no. 97020503P



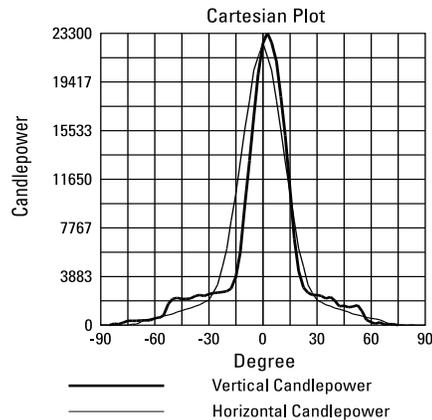
TFM 150S TA, (vertical lamp), 150W high pressure sodium lamp, 15800 rated lumens, test no. 98061202.



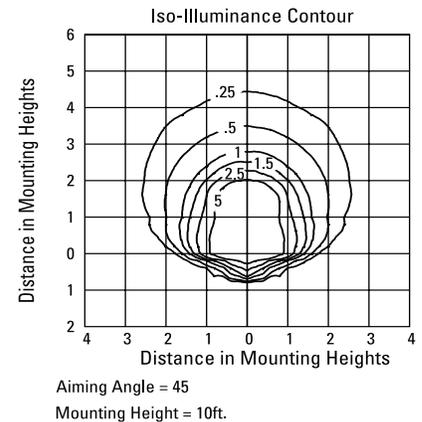
Nema Type : 7 H x 6 V
Beam Spread: 131 H x 103 V
Beam Efficiency 10% : 48.2%
Beam Flux 10% (lumens) : 7622
Maximum Candela : 5800



TFM 150S RG, (horizontal lamp), 150W high pressure sodium lamp, 16000 rated lumens, test no. 97060903.



Nema Type : 4 H x 4 V
Beam Spread: 57 H x 70 V
Beam Efficiency 10% : 35.0%
Beam Flux 10% (lumens) : 5604
Maximum Candela : 23300



NOTES:

1 Photometric data for other distributions can be accessed from the Lithonia Lighting website. (www.lithonia.com)

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$

Specification Mini Floodlights

TFM
Contour®



Example: TFM 175M RB 120 LPI

Intended Use
For signs, flags, building facades and landscaping.

Features
Housing – Compact, heavy-duty construction. Die-cast aluminum housing and removable front bezel. Lens is thermal and shock-resistant, clear tempered glass. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Hydroformed, anodized aluminum, faceted parabolic (RB, RG) or die-formed (TA) construction provides high efficiencies.

Electrical – Ballast is high-reactance, high-power factor for 50-150W metal halide or constant wattage autotransformer for 175W metal halide. Ballast is reactor normal-power factor for high pressure sodium (XHP available). Ballast is copper wound and 100% factory tested. UL Listed. Electrical components mounted to the cast-aluminum housing for maximum heat-dissipation.

Socket – Porcelain, medium-base, horizontally-

oriented (RB, RG) or vertically-oriented (TA) socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. 4-pin socket for compact fluorescent.

Installation – Die-cast aluminum 1/2" NSPM threaded mounting knuckle is standard. Corrosion-resistant painted steel yoke optional. Above-horizontal aiming standard. External screws treated for corrosion resistance.

Listings
UL Listed (standard) (ambient temperature 25°C for 150M and above, 40°C for 100M and below; 150S and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.

lightquick^{XD}
Express delivery products.
See page 11 for details about LightQuick XD.

Description

TFM 175M RB TB LPI

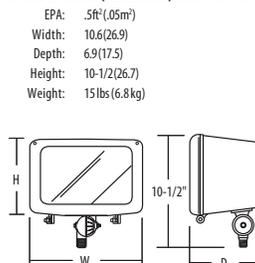
Ordering Information

Designation	Distribution	Voltage	Installed	Options/accessories
High pressure sodium	TA (7x6) ²	120	SF Single fuse, 120V, 277V, 347V ^{8,9}	CSA CSA Certified ¹³
TFM 355¹	RB (6x6)	208³	DF Double fuse, 208V, 240V, 480V ^{8,9}	NOM NOM Certified (consult factory)
TFM 50S	RG (3x3)	240³	GMF Internal slow-blow fuse, CF only (n/a MVOLT)	SCWA Super CWA pulse start ballast (only available in 150M with TA distribution)
TFM 70S		277	CR Enhanced corrosion resistance	<i>Shipped separately</i>
TFM 100S		480⁴	CRT Non-stick protective coating ¹⁰	TFMWG Wireguard
TFM 150S		480⁴	PE Photoelectric cell, button type (n/a 480V) ⁸	TFMVG Vandal guard
Metal halide		TB⁵	XHP High reactance high power factor ballast ¹¹	TFMUV Upper visor ¹⁴
TFM 50M		TBV⁶	LPI Lamp included	TFMFV Full visor ¹⁴
TFM 70M		MVOLT⁷	L/LP Less lamp	TFMTS Tenon slipfitter (2-3/8" OD tenon, for ground mounting only)
TFM 100M			YK Yoke mounting	TM Tenon mount ¹⁵
TFM 150M			C62 2' 16-3 cord pre-wired ¹²	For optional architectural colors, see page 543.
TFM 175M			C42 2' 14-3 cord pre-wired ¹²	
Compact fluorescent			C22 2' 12-3 cord pre-wired ¹²	
TFM 13DTT				
TFM 18DTT				
TFM 26DTT				
TFM 32TRT				
TFM 42TRT				

NOTES:

- 1 120V only, n/a XHP.
- 2 TA distribution not available with 175M, compact fluorescent lamps, TBV or fusing.
- 3 Consult factory for availability in Canada.
- 4 Not available in Canada.
- 5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 6 Optional 5-tap ballast (120V, 208V, 240V, 277V, 480V), n/a in Canada.
- 7 Optional multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
- 8 Not available in multi-tap ballast.
- 9 Not available with TA reflector.
- 10 Black finish only.
- 11 Available for 120V only. Standard for 208V, 240V, 277V, 347V, TB and TBV.
- 12 Yoke mounting only.
- 13 Not available with TBV.
- 14 Field modification required unless ordered with fixture.
- 15 Requires TFMTS.

Dimensions are shown in inches (centimeters) unless otherwise noted.



Lamp/Fixture Data					
Wattage	Dist.	Ballast	Lamp type	Beam spread H°xV°	NEMA dist.
High pressure sodium (med/clear)					
70	RB	RNP or XHP	E17	94x104	5x6
70	RG	RNP or XHP	E17	42x35	3x3
70	TA	RNP or XHP	E17	131x103	7x6
150	RB	RNP or XHP	E17	88x95	5x5
150	RG	RNP or XHP	E17	57x65	4x4
150	TA	RNP or XHP	E17	131x103	7x6
Metal halide (med/clear)					
100	RB	XHP	E17	83x108	5x6
100	RG	XHP	E17	58x60	4x4
100	TA	XHP	E17	128x107	6x6
175	RB	CWA	ED17	97x105	5x6
175	RG	CWA	ED17	42x35	4x4
Fluorescent					
26DTT	RB	electronic, HPF	T4	125x132	6x6
42TRT	RB	electronic, HPF	T4	120x122	6x6



High power, wide distribution LED floodlight. Replaces 250W MH. Patent Pending airflow technology ensures long LED and driver lifespan. Use for building facade lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: Bronze

Weight: 24.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
 120V: 0.66A
 208V: 0.41A
 240V: 0.35A
 277V: 0.30A
 Input Watts: 79W
 Efficiency: 99%

LED Info

Watts: 78W
 Color Temp: 5100K
 Color Accuracy: 67 CRI
 L70 Lifespan: 100000
 Lumens: 7,597
 Efficacy: 97 LPW

**FINISH TO BE
 BRONZE; AS
 SHOWN ABOVE**

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for ground mounting.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
 DLC Product Code: P0000170A

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:

Six multi-chip, 13Watt high-output, long-life LEDs.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2015.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

EPA:

2

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

Thermal Management:

Superior heat sinking with external Air-Flow fins.

Housing:

Die-cast aluminum housing and door frame.

Mounting:

Heavy-duty Trunnion mount with stainless steel hardware.

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free.

Optical

NEMA Type:

NEMA Beam Spread of 6H x 6V

Replacement Range:

The FXLED78 can be used to replace 150 - 320W Metal Halide Floodlights based on delivered lumens.

Electrical

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

THD:

5% at 120V, 13.1% at 277V

Surge Protection:

4kV

Other

Equivalency:

The FXLED78 is Equivalent in delivered lumens to a 250W Metal Halide.

California Title 24:

See FXLED78SF/D10, FXLED78SF/BL, FXLED78SF/PCT for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

Technical Specifications (continued)

Other

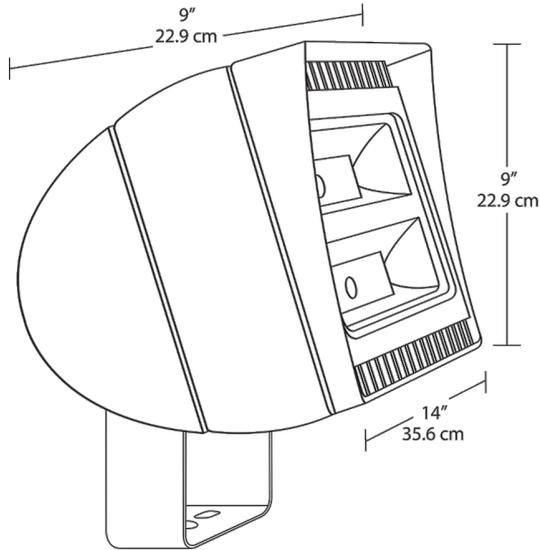
Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Patents:

The FXLED78 design is protected by U.S. Pat. D659,280, Canada Pat. 143155, China Pat. ZL201130443125.9, Mexico Pat. 36558 and pending patent in Taiwan.

Dimensions



Features

- 78 Watt high-performance LED
- Replaces 250W MH floodlights
- 100,000 hour life based on LM-80 tests
- Air-flow technology heatsink
- NEMA type - 6H x 6V
- Slipfitter and trunnion mounting available
- 5-year warranty

Ordering Matrix

Family	Watts	Mount	Color Temp	Finish	Dimming	Voltage	Photocell	Bi-Level
FXLED	78 = 78W	= Arm T = Trunnion SF = Slipfitter	= 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	= Bronze W = White	= No Dimming /D10 = Dimmable	= 120-277V /480 = 480 Volt	= No Photocell /PCT = 120-277V Twistlock Photocell /PCT4 = 480V Twistlock Photocell	= No Bi-Level /BL = Bi-Level



Signage Specifications
THE GARDNER SCHOOL

250 Barclay Blvd.
Lincolnshire, IL 60069

Prepared: September 12, 2016

BY

NORR

Plastic Letters
Formed Plastic

GOUDY EXTRA BOLD 
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 1234567890/&.,:*

	3"	4"	6"	9"	12"	15"	18"	24"	30"	36"
Depth	3/8	1/2	3/4	1	1 1/4	1 1/2	1 1/2	1 1/2	2	2
Stroke	3/4	7/8	1 3/8	2	2 5/8	3 1/4	3 7/8	5 1/4	6 7/8	7 7/8

* Upper case only

Plastic Letters

Formed Plastic

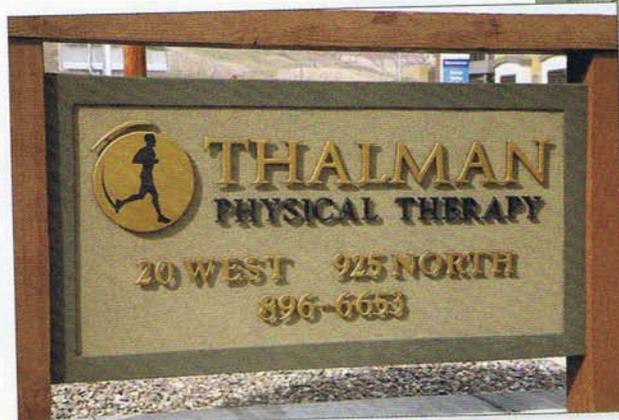
31 STANDARD PIGMENTED COLORS

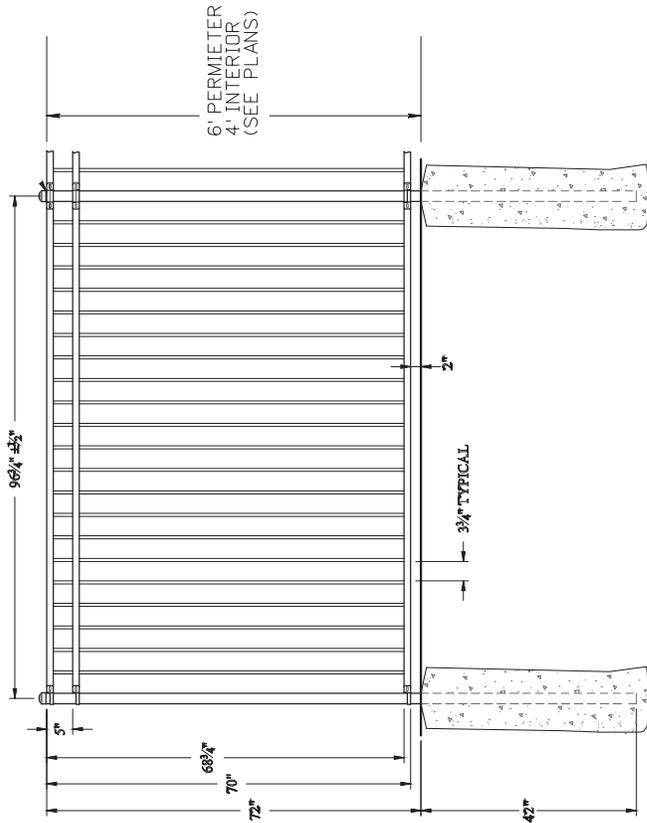
2025  Black	4310  Dove Grey	5687  White	2718  Ivory	4660  Desert Sand	2000  Yellow	2540  Mango	2119  Orange
2793  Red	1875  Brick Red	2240  Maroon	2280  Black Cherry	2287  Purple	2767  Midnight Blue	2050  Dark Blue	2860  Medium Blue
2648  Light Blue*	3210  Teal Blue	3555  Spring Green	2108  Light Green	2030  Dark Green	2162  Hunter Green	2418  Brown	
6371  Yellow Gold	2756  Metallic Gold	6366  Copper	3120  Medium Bronze	3130  Duranodic Bronze	8886  Metallic Silver		



For accurate color representation, we can request our FREE color chips.

* Light Blue is not recommended for use with studs or pads.
Painted semi-gloss, satin or matte Add 30%
Custom Painted Colors Add 30% + \$20 Match Fee.





MANUFACTURER: AMERISTAR
 MODEL: MONTAGE PANEL MAJESTIC 3R FLB 6T 8W
 (42" MINIMUM DEPTH TO MEET VILLAGE OF
 LINCOLNSHIRE FROST DEPTH)
 MATERIAL: BLACK ORNAMENTAL STEEL

MANUFACTURER: AMERISTAR
 MODEL: MONTAGE PANEL MAJESTIC 3R FLB 6T 8W
 PHOTO: CREDIT OF AMERISTARFENCE.COM
 MATERIAL: BLACK ORNAMENTAL STEEL

01 FENCE DETAIL

SCALE: 1/16"=1'-0"

NORR
 ARCHITECTS
 PLANNERS
 335 N. LaSalle St. | Suite 500 | Chicago, IL 60654
 T 312.452.2900 | F 312.452.2924 | www.norr.com



THE GARDNER SCHOOL
 250 BARCLAY BLVD
 LINCOLNSHIRE, IL 60069

SK SUMMARY

#	Date	Issue
001	06/06/2016	FENCE DETAIL
002	07/25/2016	FENCE DETAIL

SK002
 FENCE DETAIL
 SHEET 1

**REQUEST FOR BOARD ACTION
Committee of the Whole
November 14, 2016**

Subject:	The Gardner School, 250 Barclay Blvd.
Action Requested:	Consideration and Discussion of Site Design, Building Elevations, Signs, Landscaping and Lighting for Proposed Children's Daycare Center
Petitioner:	The Gardner School/Viking Development, LLC
Originated By/Contact:	Tonya Zozulya, Economic Development Coordinator Department of Community & Economic Development
Advisory Board Review:	Zoning Board and Architectural Review Board

Background:

- The Gardner School/Viking Development LLC, contract purchaser of the subject property, seeks zoning and design approvals to establish and operate a daycare center on a vacant property at 250 Barclay Blvd. The subject property is located immediately south of Noah's Event Venue and is shown on the attached location map.
- 250 Barclay Blvd. is located in the O/Ic Office/Industrial Zoning District. Daycare centers are permitted as a Special Use in the O/Ic District as a commercial activity supporting corporate employees. The property is also located in the Office/Industrial Sign District.
- The site is part of the Lincolnshire Corporate Center and is subject to the Center's covenants. Van Vlissingen & Co provided conceptual approval of the proposed use.
- Daycare centers are regulated by the Illinois Department of Children and Family Services (DCFS).
- On June 13, 2016, the Village Board reviewed and referred this request to the Zoning Board for a Public Hearing regarding a Special Use permit and to the ARB for design review.
- On June 28, 2016, the internal Development Review Team met to review the proposal and provided comments to the petitioner.
- On August 9, 2016, the Zoning Board held a Public Hearing and unanimously recommended approval with the following conditions:
 1. The Gardner School must obtain all applicable approvals for a daycare facility and playground areas from Illinois DCFS, and other appropriate licensing authorities prior to building occupancy. *The petitioner agreed to this condition.*
 2. Any increase in daycare enrollment beyond 206 children, and any changes to the playground area location or other site plan changes, shall be approved only by Special Use amendment. *The petitioner agreed to this condition.*
- On August 16, 2016 and October 18, 2016, the ARB reviewed the design proposal and recommended the petitioner choose any of the three proposed building design options as the Architectural Review Board is comfortable with all three options. This recommendation was made on a vote of 3 in favor and 1 abstention. The ARB vote constitutes a negative recommendation as a minimum of 4 positive votes is required by Village Code. Should the Village Board decide to take action to approve the petitioner's proposal, approval will require a supermajority vote of the Village Board. *In response to the direction from the ARB, petitioner chose Option 3 (all brick façade) depicted in the attached packet.*

Recommendation:

Consideration of the proposed development plans for a new daycare center, with placement on the November 28, 2016 Consent Agenda for approval.

Reports and Documents Attached:

- Location map, prepared by MGP GIS Consortium.
- Draft Special Use Ordinance, prepared by Village Attorney Simon.
- Cover letter, prepared by Bryan Slonsky of Norr, dated November 14, 2016.
- Presentation packet, submitted by Norr and Woolpert.
- August 9, 2016 Zoning Board staff memorandum and meeting minutes.
- August 16, 2016 and October 18, 2016 ARB staff memoranda and meeting minutes.

Meeting History	
Village Board Preliminary Evaluation (COW):	June 13, 2016
Zoning Board Meeting	August 9, 2016
Architectural Review Board	August 16, 2016
Architectural Review Board (continued)	October 18, 2016
Committee of the Whole (current)	November 14, 2016

REQUEST FOR BOARD ACTION

Subject: **PUBLIC HEARING** - Consideration and Discussion of an Ordinance Levying Taxes for Corporate Purposes of the Village of Lincolnshire, Lake County, Illinois for the Fiscal Year Beginning the first day of January, 2016 and Ending December 31, 2016

Action Requested: Conduct Public Hearing and Consider Proposed Tax Levy Ordinance and Direct Placement on the December 12, 2016 Agenda

Originated Michael R. Peterson, Finance Director/ Treasurer
By/Contact: Bradly J. Burke, Village Manager

Referred To: Mayor and Village Board of Trustees

Summary / Background:

Attached for consideration and discussion by the Mayor and Board of Trustees is the Ordinance levying taxes for Corporate Purposes of the Village of Lincolnshire, Lake County, Illinois to be collected in the fiscal year beginning January 1, 2017 and ending December 31, 2017. The proposed levy is intended to raise the required funds to contribute to the Village's Police Pension Fund and Retirement Fund, as well as partially fund Police Protection.

Pursuant to State statute, the Village Board previously declared its estimated levy at the October 10, 2016 Committee of the Whole meeting. The Truth-In-Taxation Act requires that for any increase in the "aggregate levy"¹ more than 105% of the previous year's tax extension, the Village to publish a legal notice making known the size of the tax levy and announce a Public Hearing to be held prior to the adoption of the levy Ordinance. Village staff estimates the total estimated taxable assessed value in Lincolnshire has increased nearly 7% or approximately \$40.5 million compared to the previous year. To take advantage of the increase in assessed valuation, staff recommends a total property tax levy of \$1,510,667 which is more than 105% of last year's levy. Given this year's levy is 106.9% of the previous year's tax extension, a public hearing and publication is required. A public hearing will be conducted at the November 28, 2016 Village Board Meeting, as required. Publication in accordance with the Truth-in-Taxation Act is to occur Thursday, November 17, 2016.

The 2016 estimated property tax levy to be collected in Fiscal Year 2017 is \$1,510,667. The property tax revenue reflected in the Proposed 2016 Budget will be used to fund pension contributions for the Retirement Fund (Illinois Municipal Retirement Fund and Social Security) (\$590,200), Police Pension Fund (\$803,500), and Police Protection (\$116,967). The total proposed levy is exclusive of election costs and debt retirement,

¹ For Lincolnshire's purpose, "aggregate levy" is defined as corporate and pension levies, but excludes debt service

which is equivalent to last year's contributions.

A comparison with the previous fiscal year's tax extension and this year's tax levy is supplied for your information.

	FY 2015 Extension ¹	FY 2016 Levy	Percent Change
Police Protection – NEW Line	\$0	\$116,967	new
Police Pension Fund	\$833,555	\$803,500	-3.61%
Retirement Fund	\$579,499	\$590,200	1.85%
TOTAL	\$1,413,054	\$1,510,667	6.91%

The Village Board as a matter of policy abates the portion of the tax levy that pertains to the debt service.

Budget Impact:

Prior to the County Clerk establishing the 2016 tax levy extension, staff will request the tax rate not to exceed .241 which has been the tax rate extended since tax year 2012.

Service Delivery Impact:

N/A

Recommendation:

Staff recommends the Village Board direct placement of the proposed ordinance for inclusion on the December 12, 2016 Regular Village Board Meeting agenda for approval after conducting the required public hearing.

Reports and Documents Attached:

- Tax Levy Ordinance

Meeting History	
Tax Levy Estimated (COW):	10/10/2016
Initial Referral to Village Board (COW):	11/14/2016
RVB Meeting – PUBLIC HEARING:	11/28/2016
Regular Village Board Meeting	12/12/2016

¹ Lake County Certificate of Rates and Extension

ORDINANCE NO. 16-xxxx-xxx

AN ORDINANCE LEVYING TAXES FOR CORPORATE PURPOSES OF THE VILLAGE OF LINCOLNSHIRE, LAKE COUNTY, ILLINOIS FOR THE FISCAL YEAR BEGINNING THE 1ST DAY OF JANUARY 2016 AND ENDING DECEMBER 31, 2016

BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Lincolnshire, Lake County, Illinois, as follows:

WHEREAS, the Mayor and Board of Trustees of the Village of Lincolnshire, Lake County Illinois did on the 22nd of February, 2016, pass the Annual Appropriation Ordinance #16-3395-122 for said municipality for the fiscal year ending December 31, 2016, in the amount of which is ascertained to be in the aggregate sum of \$28,036,345 (twenty eight million thirty six thousand three hundred forty five dollars) which said Appropriation Ordinance was duly published in pamphlet form on the 24th day of January, 2016; and

WHEREAS, in order to finance in part expenditures authorized pursuant to the Annual Appropriation Ordinance, and pursuant to the authority granted under Section 6 of Article VII of the Constitution of the State of Illinois, the Mayor and the Board of Trustees hereby deem it necessary and appropriate to levy ad valorem taxes for extension upon all taxable real property in the Village so hereinafter set forth; and

WHEREAS, the estimated or tentative Tax Levy for said municipality for the aforesaid fiscal year, upon which said Tax Levy Ordinance was based, had been duly prepared and made conveniently available on October 6, 2016 for public inspection by said Corporate Authorities of this municipality continuously for at least twenty days prior to the adoption of said Tax Levy Ordinance.

WHEREAS, Public Act 99-367 requires all public bodies subject to the Truth in Taxation Act to publish a "black box" public hearing notice in the newspaper and post said notice on the public bodies' website. The Village of Lincolnshire complied with the Act on November 17, 2016.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND BOARD OF TRUSTEES OF THE VILLAGE OF LINCOLNSHIRE, COUNTY OF LAKE AND STATE OF ILLINOIS, as follows:

SECTION 1: Finding of Facts. The Corporate Authorities of this municipality hereby find all facts all of the matters hereinabove recited in the "whereas" clauses hereof.

SECTION 2: General Corporate. That there be and hereby is levied upon all taxable property within the corporate limits of said Village for the Fiscal Year 2016 the total sum of Zero dollars (\$0).

SECTION 3: Special Levies. That there be and is hereby levied upon all taxable property within the corporate limits of said Village for the Fiscal Year 2016 in addition to the maximum of the taxes authorized for general purposes the total sum of One million, five hundred ten thousand six hundred sixty seven dollars (\$1,510,667), for the following special purposes set forth in said Appropriation Ordinance in the respective sums as follows, to wit:

	<u>AMOUNT APPROPRIATED</u>	<u>AMOUNT LEVIED</u>
<u>POLICE PROTECTION</u>		
Police: Regular Salaries	\$2,764,300	\$116,967
<u>RETIREMENT FUND</u>		
FICA Payments	\$261,350	\$224,000
IMRF Payments	\$535,790	\$366,200
<u>POLICE PENSION FUND</u>		
Retirement Payments & Reserves	\$1,142,460	\$803,500
TOTAL TAXES LEVIED FOR SPECIAL PURPOSES		\$1,510,667

SECTION 4: That the following is a summary of the items herein before levied:

General Corporate	0
Police Protection	\$116,967
Retirement Fund	\$590,200
Police Pension Fund	<u>\$803,500</u>
TOTAL LEVIED	\$1,510,667

SECTION 5: Filing with the County Clerk. The Village Manager or his designee is authorized and directed to file a certified copy of this Ordinance with the County Clerk, Lake County, Illinois.

SECTION 6: Partial Invalidity. If any item or portion of this Ordinance is for any reason held invalid, such decision shall not affect the validity of remaining portions of this Ordinance.

SECTION 7: This Tax Levy Ordinance is adopted pursuant to procedures set forth in the Illinois Municipal Code, provided, however, any limitations in the Illinois Municipal Code in conflict with the provisions of this Ordinance shall not be applicable to this Ordinance pursuant to Section 6 of Article VII of the Constitution of the State of Illinois. This Ordinance is enacted pursuant to the home rule powers of the Village of Lincolnshire.

SECTION 8: That the Village Clerk is hereby ordered and directed to publish this Ordinance in pamphlet form.

SECTION 9: That this Ordinance shall be in full force and effect from and after its passage, approval and publication as required by law.

PASSED by the Board of Trustees of the Village of Lincolnshire on this ____th day of _____, 2016 by a roll call vote as follows:

AYES:
NAYS:
ABSENT:

APPROVED by the Mayor of the Village of Lincolnshire on this ____th day of _____, 2016.

Elizabeth J. Brandt, Village Mayor

ATTEST:

Barbara Mastandrea, Village Clerk

CERTIFICATE

I, Elizabeth J. Brandt, President of the Village of Lincolnshire, hereby certify that I am the presiding officer of the Village of Lincolnshire, and as such presiding officer, I hereby certify that the Levy Ordinance, a copy of which is appended hereto, was adopted pursuant to, and in all respects in compliance with, the provisions of Section 4 through 7 of the so-called "The Truth in Taxation Act".

Dated: _____, 2016

Elizabeth J. Brandt, President
Village of Lincolnshire, Illinois

REQUEST FOR BOARD ACTION
November 28, 2016
Regular Village Board Meeting

Subject: Award of a Bid to Chicagoland Paving, Lake Zurich, Illinois in the Amount of \$249,900.00 for Infrastructure Transportation Enhancement Program (ITEP) Stage 2 – Olde Half Day Road Shared Use Path Improvements

Action Requested: Approval of Bid

Originated By/Contact: Wally Dittrich, P.E., Assistant Public Works Director/Village Engineer

Referred To: Village Board

Summary / Background:

At the November 14, 2016 Committee of the Whole meeting, clarification was desired on the impact there would be to the vegetation being proposed for removal. Below are some of the highlighted changes that were made to the plan since the November 2015 presentation to the Village Board:

-Desire for more natural look and maintaining the foliage between the path and IL Route 22.

The improvement limits were reduced at the east end of the project in response to this comment in an attempt to maintain at least 50% of the existing tree canopy which extends west from the Des Plaines River bridge and ends approximately at station 26+00 within the project area.

The canopy removal limits at the east end of the project were reduced (see attached plan sheet). As the landscape plans show, this area will be replanted with various transplanted, non-invasive tree species. This removal area accounts for approximately 40% of the existing tree canopy length extending west from the bridge over the Des Plaines River, allowing for the preservation of 60% of this canopy.

-Retain the Crabapple Trees

The improvements were adjusted so only 3 existing crabapple trees will need to be removed. 14 will remain.

-Native Plantings vs. Manicured Look

In response to this comment, as well as to reduce maintenance, native plantings and grasses are proposed throughout the landscape areas.

Lastly, it was the goal of the project to remove vegetation to open up the views to the lake. As such, the existing invasive vegetation surrounding the 4 power poles in the lake overlook area is proposed to be removed and will be replaced with a variety of native grasses. The vegetation that will be removed in these areas will be marked out in the field to try and maintain vegetation that currently screens the power poles. Also, in some areas, new plantings will help screen the existing power poles.

The Village received an Illinois Transportation Enhancement Project (ITEP) in December of 2009. In February of 2010, the Mayor and Board of Trustees (MBOT) selected projects from the Corridor Enhancement Program for implementation utilizing the ITEP funds. Staff presented an implementation schedule to the Village Board at the March 13, 2015 Committee of the Whole meeting. The subject bid is Stage II of this project.

The Village advertised the project opened sealed bids on October 20, 2016. Seven bids were received with the low bidder being Chicagoland Paving of Lake Zurich, Illinois in the amount of \$249,900.00. The Engineer's Estimate was \$297,937.00. The work is anticipated to begin over the winter with removals and be completed in late spring/early summer of 2017.

A contract in the amount of \$28,578.00 was already approved by the Village Board on April 25, 2016 for the construction engineering services to be provided by Gewalt-Hamilton Engineering.

Budget Impact:

This is a grant program with an 80/20 split. The Village will pay for all project costs up front, but will be reimbursed up to 80% of the total project cost via the ITEP grant project for construction and construction engineering.

Recommendation:

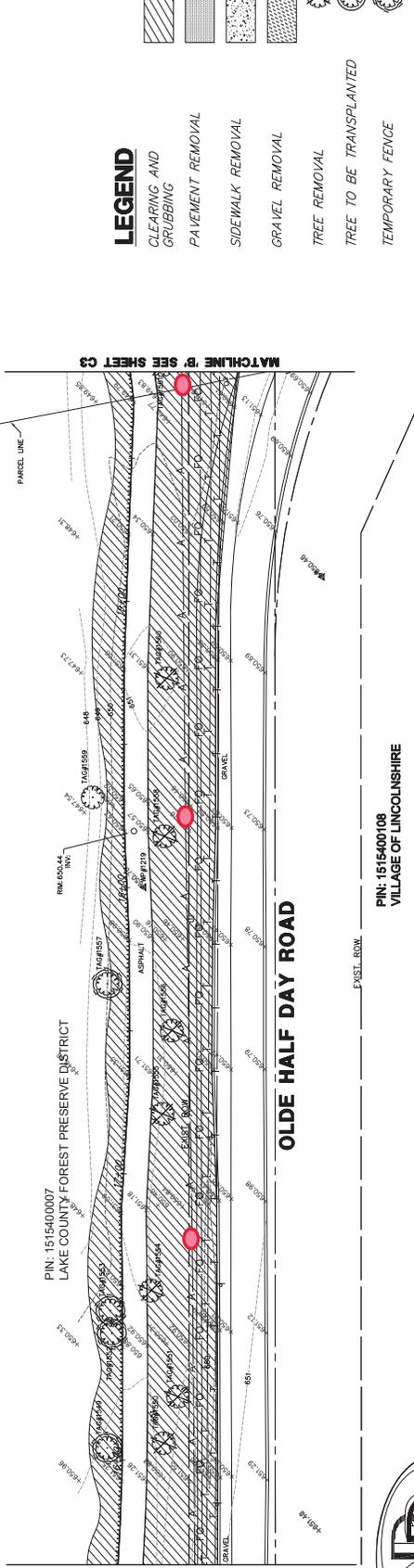
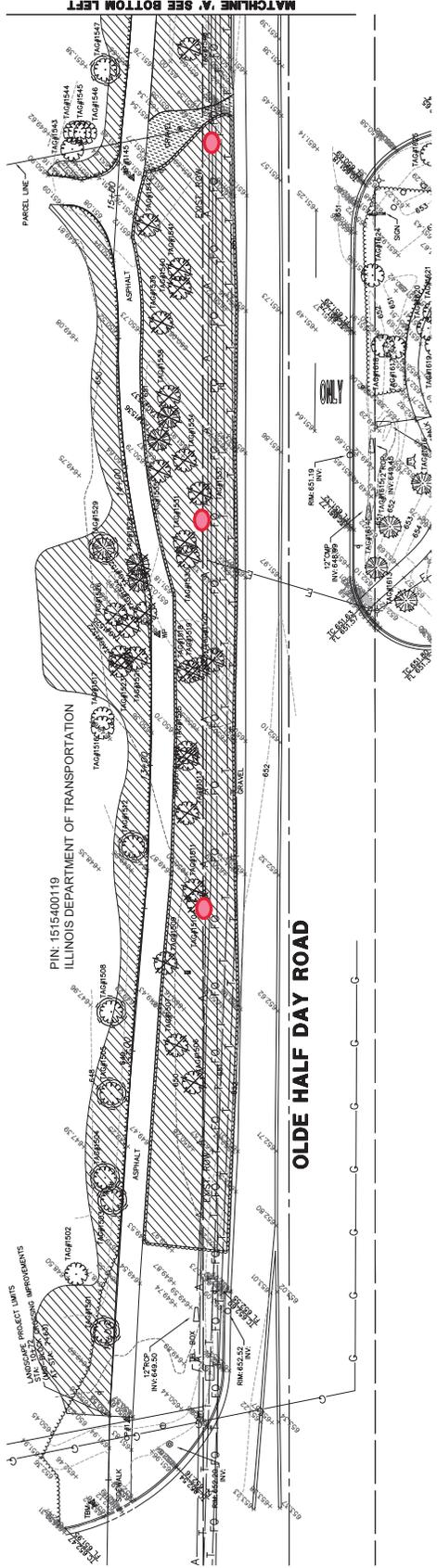
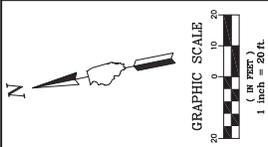
Staff recommends approval of the bid given the extremely favorable price (approximately \$50,000 under the engineers estimate) and number/quality of the bidders (seven total bidders). Staff will be available at Monday's meeting to answer any questions regarding the project.

Reports and Documents Attached:

- Bid Tabulation
- Removal plans
- Proposed landscape plans
- Photos of power poles at overlook areas
- Canopy removal limits exhibit

Meeting History	
Initial Referral to Village Board (COW):	November 14, 2016
Regular Village Board Meeting:	November 28, 2016

● - Existing Power Poles



LEGEND

-  CLEARING AND GRUBBING
-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  GRAVEL REMOVAL
-  TREE REMOVAL
-  TREE TO BE TRANSPLANTED
-  TEMPORARY FENCE

PIN: 1515400108
VILLAGE OF LINCOLNSHIRE

PIN: 1515400007
LAKE COUNTY FOREST PRESERVE DISTRICT

PIN: 1515400119
ILLINOIS DEPARTMENT OF TRANSPORTATION

PIN: 1515400007
LAKE COUNTY FOREST PRESERVE DISTRICT



520 N. BARRON BLVD.
GRAYSLAKE, IL 60030
847.223.1891
info@345designstudio.com

G/A GEVAULT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive • Vernon Hills, IL 60061
Tel: 847.478.9700 • Fax: 847.478.9701

EXISTING CONDITIONS AND REMOVAL PLAN
ILLINOIS ROUTE 22 LANDSCAPING
SECTION 14-0024-01-S
VILLAGE OF LINCOLNSHIRE, ILLINOIS

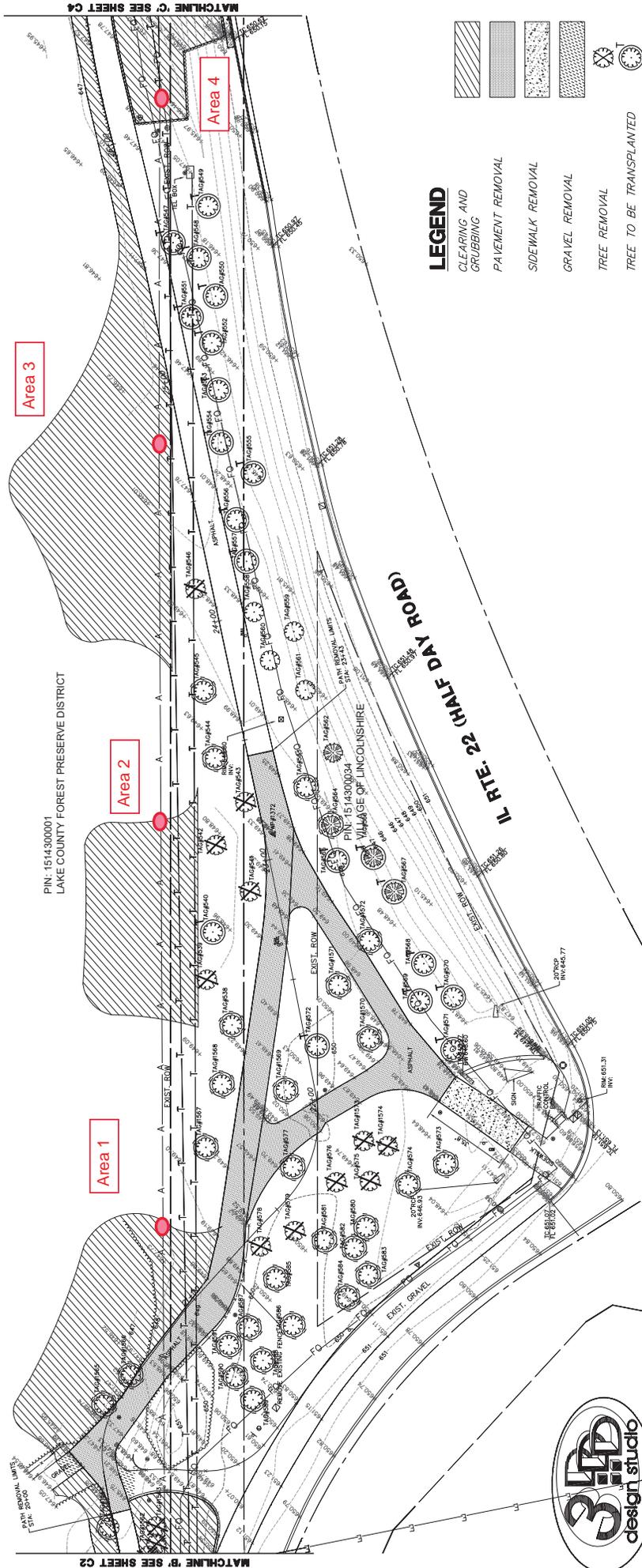
1. I.M.H. 2/4/18 100% RE-SUBMITTAL
NO. BY DATE REASON

FILE 4504-002-23mm.dwg	FILE NUMBER	C2	OF SHEETS
DRWNR: M.H.	DRWNR'S NAME	CA PROJECT #	1904.002
DATE 12/10/15	DATE	CHECKED BY: TPC	SCALE 1"=20'
DATE 12/10/15	DATE	NO. BY DATE REASON	

COPYRIGHT NOTICE
This drawing is the property of Gevaault Hamilton Associates, Inc. and is not to be used for any purpose other than the one intended without the written permission of Gevaault Hamilton Associates, Inc.



● - Existing Power Poles



LEGEND

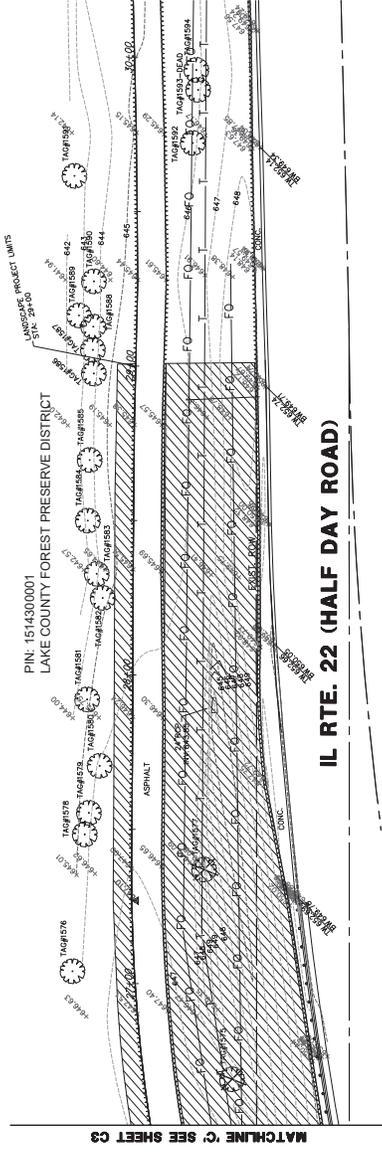
- CLEARING AND GRUBBING
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- GRAVEL REMOVAL
- TREE REMOVAL
- TREE TO BE TRANSPLANTED
- TEMPORARY FENCE

FILE 4504-002-20mca.dwg		SHEET NUMBER	
DRAWN BY: MKH	DATE: 12/10/15	PROJECT #	C3
CHECKED BY: TPC	DATE: 12/10/15	SCALE	1"=20'
NO. BY	DATE	REASON	REVISION
1	2/4/16	DOT RE-SUBMITTAL	
EXISTING CONDITIONS AND REMOVAL PLAN			
ILLINOIS ROUTE 22 LANDSCAPING SECTION 14-00024-01-S VILLAGE OF LINCOLNSHIRE, ILLINOIS			
<small>COPYRIGHT NOTICE This drawing is the property of GHA Gevalt Hamilton and is not to be used for any purpose other than the one intended without the written permission of GHA Gevalt Hamilton Associates, Inc.</small>			
GHA GEVALT HAMILTON ASSOCIATES, INC. 625 Forest Edge Drive • Vernon Hills, IL 60061 TEL: 847.478.9700 • FAX: 847.478.9701			

520 N. BARRON BLVD.
GRAYS LAKE, IL 60030
847.223.1891
info@ghadesignstudio.com

MATCHLINE 'B' SEE SHEET C2

MATCHLINE 'C' SEE SHEET C4



IL RTE. 22 (HALF DAY ROAD)

LEGEND

-  CLEARING AND GRUBBING
-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  GRAVEL REMOVAL
-  TREE REMOVAL
-  TREE TO BE TRANSPLANTED
-  TEMPORARY FENCE



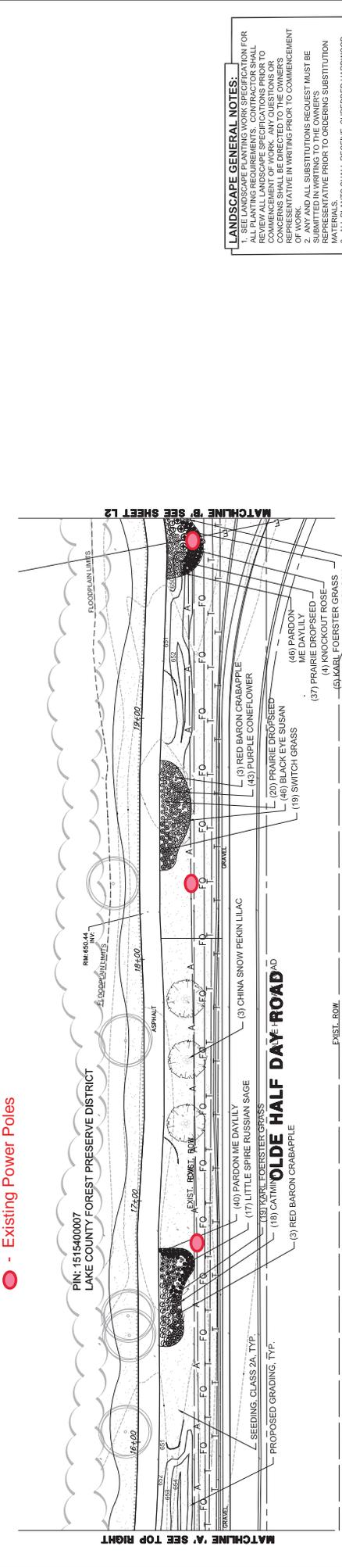
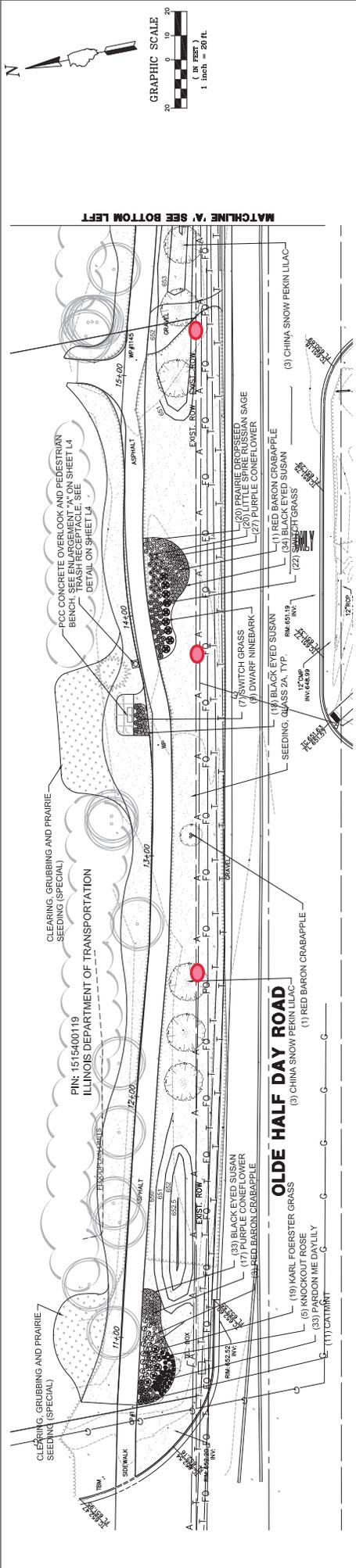
520 N. BARRON BLVD.
 GRAYSLAKE, IL 60030
 847.223.1891
 info@345designstudio.com

G/A GEVAULT HAMILTON ASSOCIATES, INC.
 625 Forest Edge Drive • Vernon Hills, IL 60061
 TEL 847.478.9700 • FAX 847.478.9701

COPYRIGHT NOTICE
 This drawing is the property of Gevault-Hamilton Associates, Inc. and is not to be used for any purpose other than the one intended without the written consent of Gevault-Hamilton Associates, Inc.

EXISTING CONDITIONS AND REMOVAL PLAN
 ILLINOIS ROUTE 22 LANDSCAPING
 SECTION 14-00024-01-S
 VILLAGE OF LINCOLNSHIRE, ILLINOIS

FILE 4824-002-20mxd.dwg	SHEET NUMBER	C4	OF SHEETS
DRAWN BY: MKH	DATE: 12/10/15	CHECKED BY: TRC	DATE: 12/10/15
SCALE: 1"=20'	REVISION	NO. BY	DATE
1 MKH	2/4/16	DOT RE-SUBMITTAL	



Plant List	QUANT	SIZE	NOTES
RED BAY TERN (IN THE ROW)	11	2" DB	Central leader
RED BAY TERN (IN THE ROW)	5	2" DB	Central leader
RED BAY TERN (IN THE ROW)	14	25' Gal.	4" OC
RED BAY TERN (IN THE ROW)	27	25' Gal.	4" OC
RED BAY TERN (IN THE ROW)	150	41 Gal.	2" OC
RED BAY TERN (IN THE ROW)	254	41 Gal.	2" OC
RED BAY TERN (IN THE ROW)	56	41 Gal.	2" OC
RED BAY TERN (IN THE ROW)	86	41 Gal.	2" OC
RED BAY TERN (IN THE ROW)	256	41 Gal.	2" OC
RED BAY TERN (IN THE ROW)	132	41 Gal.	2" OC

LANDSCAPE GENERAL NOTES:

- SEE LANDSCAPE PLANTING WORK SPECIFICATION FOR ALL PLANTING DETAILS. ALL PLANTING SHALL BE IN ACCORDANCE WITH ALL LANDSCAPE SPECIFICATIONS PRIOR TO COMMENCEMENT OF WORK. ANY QUESTIONS OR CONCERNS SHALL BE DIRECTED TO THE OWNERS REPRESENTATIVE IN WRITING PRIOR TO COMMENCEMENT OF WORK.
- ANY AND ALL SUBSTITUTIONS REQUEST MUST BE SUBMITTED IN WRITING TO THE OWNERS REPRESENTATIVE PRIOR TO ORDERING SUBSTITUTION MATERIALS.
- ALL PLANTS SHALL RECEIVE SHREDDED HARDWOOD MULCH TO A DEPTH OF 2" TO 3" INCLUDING PERENNIAL PLANTINGS (DEPTH PERIOD).
- ALL EXCESS SPOILS RESULTING FROM THE LANDSCAPE PLANTING WORK SHALL BE OR PLACED IN SPOILS BERMS DISTURBED. ANY AREAS REQUIRING RESTORATION NOT DISTURBED. OTHER AREAS REQUIRING RESTORATION SHALL BE SEED PER THE NOTES AND SPECIFICATIONS.
- THE CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER AT ALL DOWNSTREAM PROJECT LOCATIONS INCLUDING ALL DOWNSTREAM PROJECT LOCATIONS AND AS DIRECTED BY THE OWNERS REPRESENTATIVE.
- NO FILL IS TO BE PLACED WITHIN THE FLOODPLAIN OR FLOODWAY.

LANDSCAPE ARCHITECT

GEVAULT HAMILTON ASSOCIATES, INC.

625 Forest Edge Drive • Vernon Hills, IL 60061
Tel: 847.478.9700 • Fax: 847.478.9701

PROPOSED PLAN

ILLINOIS ROUTE 22 LANDSCAPING

SECTION 14-00021-014-S

VILLAGE OF LINCOLNSHIRE, ILLINOIS

FILE LS-22 TEP Landscape to 0142-5-1

DRAWN BY: 30

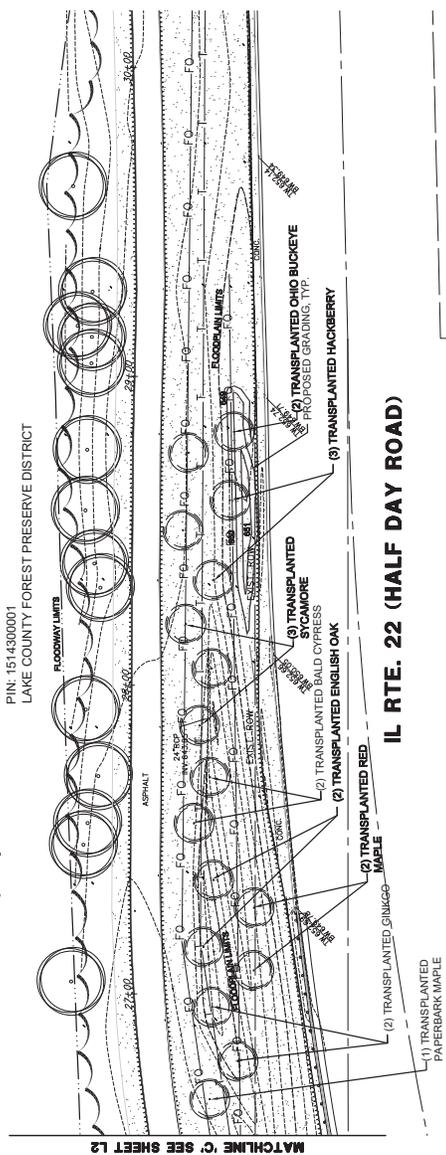
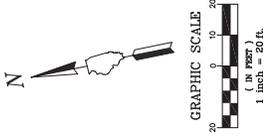
DATE: 12.10.15

CHECKED BY: 30

DATE: 1-2-20

SHEETS: 4

OF: 4



IL RTE. 22 (HALF DAY ROAD)

MATCHLINE 'C' SEE SHEET L2

GHA GEWALT HAMILTON ASSOCIATES, INC.
 625 Forest Edge Drive • Vernon Hills, IL 60061
 TEL 847.478.9700 • FAX 847.478.9701

COPYRIGHT NOTICE
 This drawing is the property of Gewalt-Hamilton Assoc., Inc. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission from Gewalt-Hamilton Associates, Inc.

PROPOSED PLAN
 ILLINOIS ROUTE 22 LANDSCAPE
 SECTION 14-00021-01-LS
 VILLAGE OF LINCOLNSHIRE, ILLINOIS

NO.	BY	DATE	REASON
1	SM	2/4/76	DOT RE-SUBMITAL

FILE NO.	DATE	BY	REASON
LS-22 (RD) Landscape to GHAC-25			

LANDSCAPE ARCHITECT
3/12
 300 N. WASHINGTON ST.
 CHICAGO, ILL. 60610
 PHONE: 312.467.1100
 FAX: 312.467.1101

PROJECT'S
 4904.002
SCAB
 30
SCALE
 1" = 20'

DRAWING NO. 30
DATE 12.10.15
CHECKED BY: 30
DATE

FILE NUMBER
L3
OF 4 SHEETS

