

LOCATION / KEY MAP SCALE: |" = 1,000'±



SOURCE: NEARMAP RETRIEVED AUGUST 25, 2023

TOWN OF SUDBURY 300' PROPERTY OWNERS LISTPARCEL IDOWNEROWNER'S ADDRESSK09-0063GEISINGER ELIZABETH86 WALNUT ST, NATICK, MA, 01760K09-0066GEISINGER ELIZABETH86 WALNUT ST, NATICK, MA, 01760K09-0067MASS BAY TRANSPORTATION AUTH10 PARK PLACE, BOSTON, MA, 02110K10-0004SAFAR GASTON132 NEWBURY ST, BOSTON, MA, 02116K10-0005HAN XU271 LANDHAM ROAD, SUDURY, MA, 01776K10-0008JACOB & ASSOCIATES INC1232 WASHINGTON ST, WEST NEWTON, MA, 02465K10-0010BROOKSIDE CUSTOM HOMES INC416 BOSTON POST RD, SUDBURY, MA, 01776K10-0020BENDORIS K EILEEN TRS214 BOSTON POST RD, SUDBURY, MA, 01776K10-0021MCKEOWN ADAM & MOLLY222 BOSTON POST RD, SUDBURY, MA, 01776K10-0022DELPIZZO PAUL & MARY TRUSTEES8 GREENHILL RD, SUDBURY, MA, 01776K10-0038GEISINGER ELIZABETH86 WALNUT ST, NATICK, MA, 01760K10-0041TOWN OF SUDBURY278 OLD SUDBURY ROAD, SUDBURY, MA, 01776K10-0007-0-1AEMMA LOU LLC1 GLEN PINES WAY, MILLIS, MA, 02054K10-0007-0-1BHOWARD FARM LLC6 HOWARD FARM RD, SHARON, MA, 02067K10-0007-0-2BMICHELS KARL H & HILDEGARD M215 BOSTON POST RD, SUDBURY, MA, 01776K10-0007-0-2BMICHELS KARL H & KAROLINA TRS365 BOSTON POST RD, SUDBURY, MA, 01776
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K10-0007-0-2C ORE CHARLES W & CAROLINA TES 365 BOSTON POST RD 138. SUDBURY, MA. 01776
K10-0109 LUCENTE DIANE E 17 SINGLETARY LN, SUDBURY, MA, 01776
K10-0110 GEORGE PETER 169 PORTSMOUTH ST UNIT 114, CONCORD, NH, 0330
K10-0111 GEORGE PETER 169 PORTSMOUTH ST UNIT 114, CONCORD, NH, 0330
K10-0114 LARSON DAVID E & HEATHER J TRS 25 SINGLETARY LN, SUDBURY, MA, 01776
K09-5000 MASS BAY TRANSPORTATION 10 PARK PLAZA, BOSTON, MA, 02116
K09-0065BAZILE CASTERA275 BOSTON POST RD, SUDBURY, MA 01776
K10-0003SAFAR GASTON132 NEWBURY ST, BOSTON, MA 02116
K10-0108 KIRBY RUSSELL P & CAROL A 244 BOSTON POST RD, SUDBURY, MA 01776
K10-0112 RUE NICHOLAS & CYNTHIA V 5 SINGLETARY LN, SUDBURY, MA 01776

AERIAL MAP

SCALE: I" = 200'±

PLAN REFERENCE MATERIALS:

I. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO: • SURVEY PREPARED BY HANCOCK ASSOCIATES

- DATED AUGUST 01. 2023 ARCHITECTURAL PLANS PREPARED BY ADA **ARCHITECTS, DATED DECEMBER 8, 2023**
- AERIAL MAP OBTAINED FROM NEARMAP **RETRIEVED, AUGUST 25, 2023**
- TAX AND ZONING MAP FROM THE TOWN OF SUDBURY MASSACHUSETTS GIS, RETRIEVED
- AUGUST 28, 2023 LOCATION MAP OBTAINED FROM USGS QUADRANGLE MAP 7.5 SERIES MAYNARD &
- FRAMINGHAM, MA, DATED 2021 SEPTIC DESIGN PLAN PREPARED BY GRADY
- CONSULTING, LLC., DATED SEPTEMBER 26, 2023 SOIL SUITABILITY ASSESSMENT LOGS, PREPARED BY GRADY CONSULTING, LLC., DATED AUGUST
- 1,2023 PLAN OF PROPOSED GRASS SWALE IN SUDBURY, MASSACHUSETTS, PREPARED BY CENTRAL MASS.
- ENG. & SURVEY, INC., DATED MAY 8, 1998. 2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS
- SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

LAND DEVELOPMENT PLANS FOR **PRIMROSE SCHOOL** FRANCHISING COMPANY **PROPOSED CHILD DAY CARE FACILITY**

PARCEL ID: K10-0009 & K10-0040 225 BOSTON POST ROAD TOWN OF SUDBURY, MIDDLESEX COUNTY, MASSACHUSETTS



BD - BUSINESS



TAX AND ZONING MAP

SCALE: I" = 200'±

PLANS PREPARED BY:



Rutherford, NJ \cdot New York, NY \cdot Salem, MA Princeton, NJ \cdot Tampa, FL \cdot Detroit, MI www.stonefieldeng.com

120 Washington Street, Suite 201, Salem, MA 01970 Phone 617.203.2076

	PLANNING BOARD SIGNATUR	RE B
	CHAIR	
	VICE CHAIR	
	MEMBER	
	MEMBER	
	MEMBER	
_		

APPLICANT	
RANCHISING COMPANY	

PRIMROSE SCHOOL FRANCHISING COMPAN **21 CONKLIN LANE WARREN, NJ 07059** MTAYLOR@PRIMROSESCHOOLS.COM

OWNER

CONGREGATION B'NAI TORAH INC PO BOX 273 SUDBURY, MA 01776



Know what's **below Call** before you dig.

ZONING LEGEND

RES A - SINGLE RESIDENCE A

WATER BODY

	TOWN OF SUDBURY SIGNATURE	E BLOCK
-	BUILDING INSPECTOR	DATE
-	DIRECTOR OF PUBLIC WORKS	DATE
-	TOWN ENGINEER	DATE
	TOWN PLANNER	DATE



SHEET INDEX	
DRAWING TITLE	SHEET #
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SITE PLAN	C-4
GRADING, DRAINAGE & UTILITY PLAN	C-5
LIGHTING PLAN	C-6
SOIL EROSION & SEDIMENT CONTROL PLAN	C-7
LANDSCAPING PLAN	C-8 - C-9
CONSTRUCTION DETAILS	C-10 - C-12

				3 06/04/2024 KLO FOR PLANNING BOARD RESUBMISSION	2 04/01/2024 AB FOR CONSERVATION COMMISSION SUBMISSION	I 12/08/2023 AB FOR PLANNING BOARD SUBMISSION	ISSUE DATE BY DESCRIPTION
NOT	APPROV	'ED FC)R C	ON	STR	UCI	FION
	engineering & design	M malo3 - VN dacy mal - IN bachadanid	Dringston NI - Tempo El - Datacit MI	rincecon, NJ * Tampa, rr * Deu Ol, r'il 		02010 MM and 2010 Control Sector Structure Hard MA 01020	1.20 YY ASHIII & U EEL, SUILE 201, SAIEILI, 17A 01 770 Phone 617.203.2076
IT PLANS	HITECTS	MROSE SCHOOL	NTED	TMRO	A A A A A A A A A A A A A A A A A A A		USETTS
LAND DEVELOPMEN	ADA ARCH	PROPOSED PRII				PARCEL ID: KI0-0009 & KI0-0040	THE TOWN OF SUDBURY MIDDLESEX COUNTY, MASSACH
LAND DEVELOPMEN	ADA ARCH ICENSEE	LUA H. USETTS PROFES			, P.E lo. 53' GINEI		THE TOWN OF SUDBURY MIDDLESEX COUNTY, MASSACH
	ADA ARCH ICENSEE	UA H. USETTS PROFES			, P.E lo. 53 GINE FI		THE TOWN OF SUDBURY MIDDLESEX COUNTY, MASSACH
	AS SHO	UA H. USETTS PROFES TO ineer			, P.E lo. 53 GINE Sig ID: 1		THE TOWN OF SUDBURY MIDDLESEX COUNTY, MASSACH

C-I



				D FOR PLANNING BOARD RESUBMISSION	FOR CONSERVATION COMMISSION SUBMISSION FOR PLANNING BOARD SUBMISSION	DESCRIPTION
SYMBOL	DESCRIPTION			124 KLC	24 AB	BY
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Ġ.	HANDICAP PARKING SPACE	LAI	E	RO ATE		USETTS
	FOUND STONE BOUND MASSACHUSETTS HIGHWAY BOUND	LAND DEVELOPMENT	ADA ARCH	PROPOSED PRIM CHILD CARE CEN	PARCEL ID: KI0-0009 & KI0-0040	THE TOWN OF SUDBURY MIDDLESEX COUNTY, MASSACH
JRVEY NOTES: THE SURVEY LISTED WITHIN THE PLAN REFE SHEET SHALL BE CONSIDERED A PART OF INFORMATION CONTAINED WITHIN THE SU DOCUMENTS SHALL BE UTILIZED IN CONJUN SET. THE CONTRACTOR IS RESPONSIBLE TO SURVEY AND REVIEW IT THOROUGHLY PR CONSTRUCTION.	RENCES ON THE COVER THIS PLAN SET AND ALL JRVEY AND ASSOCIATED JCTION WITH THIS PLAN OBTAIN A COPY OF THE JOR TO THE START OF	SCA	JOSHU MASSACHU LICENSED I ST engi LE: I"=	JA H. KLINE, ISETTS LICENSE No PROFESSIONAL ENG FOREFING & des 20' PROJECT II	P.E. 53936 IINEER Sign D: BOS-	LD 230051
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GRAPHIC SCALE IN FEET I" = 20'

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GRAPHIC SCALE IN FEET I" = 20'

NOT APPROVED FOR CONSTRUCTIO O **S** engir U 벁 S ~ '~ T Σű **S** <u>0</u> U Dw > Δ 0 JOSHUA H. KLINE, P.E. MÁSSACHUSETTS LICENSE No. 53936 LICENSED PROFESSIONAL ENGINEER engineering & design 000 I" = 20' PROJECT ID: BOS-230051 SCALE: TITI F: **DEMOLITION PLAN** DRAWING: **C-3**



GRAPHIC SCALE IN FEET I" = 20'

- UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. 10. THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS. 11. THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES. 12. SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC. BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.
- PLAN SET.
- REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE 9. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON

- MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTORS EXPENSE. 8. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC. WILL
- AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE. 4. THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN,

5. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF

6. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE

7. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW

WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY.

PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK

CONSTRUCTION.

- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION. 3. ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC. AND IT'S SUB-CONSULTANTS FROM AND
- THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. PRIOR TO THE START OF CONSTRUCTION.
- I. THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK
- TO CONSTRUCTION.
- PARKING LOT SHALL BE MILLED AND OVERLAID TO ENSURE POSITIVE DRAINAGE TO ALL STRUCTURES. FINAL LIMITS OF FULL DEPTH REPAIR SHALL BE COORDINATED WITH APPLICANT PRIOR **GENERAL NOTES**
- I. EXISTING LIGHT POLES AND EXTERIOR LIGHTS TO BE REUTILIZED. CONTRACTOR SHALL INSPECT AND REPAIR AND REPLACE LIGHT FIXTURE, LIGHT POLES, AND LIGHT BASES AS DEEMED NECESSARY.
- SITE IMPROVEMENTS NOTES



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SYMBOL

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DESCRIPTION

PROPERTY LINE

SETBACK LINE

SAWCUT LINE

PROPOSED CURB

PROPOSED FLUSH OPENING

PROPOSED SIGNS / BOLLARDS



						D FOR PLANNING BOARD RESUBMISSION	FOR CONSERVATION COMMISSION SUBMISSION	FOR PLANNING BOARD SUBMISSION	DESCRIPTION					
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<u> </u>	 Τ ΔΡΙ	PROV	/FD	FO	RC		<u>ion</u>							
	STONEFIEL I	engineering & design		Rutherford, NJ • New York, NY • Salem, MA Princeton, NJ • Tampa, FL • Detroit, MI www.stonefieldeng.com 120 Washington Street, Suite 201, Salem, MA 01970										
AND DEVELOPMENT PLANS ADA ARCHITECTS						CHILD CARE CENTER		PARCEL ID: K10-0009 & K10-0040	THE TOWN OF SUDBURY MIDDLESEX COUNTY, MASSACHUSETTS					
JOSHUA H. KLINE, P.E. MASSACHUSETTS LICENSE No. 53936 LICENSED PROFESSIONAL ENGINEER														
		S' eng	T (D eri	N ng a	E & de	F 	El	LD					
SCALE	:	"۱	= 20)' P	ROJ	ECT	ID: I	BOS-2	230051					
		SI	T	ΕI	PL	A	N							
DRAW	/ING:													



- **EXCAVATION, SOIL PREPARATION, AND DEWATERING NOTES**
- CONSIDERED A PART OF THE PLAN SET.
- OF RECORD
- PRIOR TO THE START OF CONSTRUCTION.



EXISTING BASIN RECONSTRUCTION:



GRADING NOTES

- I. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE. AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE. 2. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED
- DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS. 3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC. FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS. 4. THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
- 5. MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS: CURB GUTTER: 0.50%
- CONCRETE SURFACES: 1.00%
- ASPHALT SURFACES: 1.00% 6. A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF THIS CONDITION CANNOT BE MET.
- 7. FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

ADA NOTES

- I. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES. 2. THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE
- WITH STATE GUIDELINES. 3. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL
- IS 36 INCHES WIDE OR GRÉATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. 4. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
- 5. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP. CURBS RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN
- 36 INCHES WIDE. 6. ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP. 7. A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS
- 8. THE CONTRACTOR SHALL ENSURE A MAXIMUM OF 1/4 INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A CHANGE IN LEVEL BETWEEN 1/4 INCHES AND 1/2 INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP 1/4 INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN I UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE). 9. THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN 1/2 INCH.

GRAPHIC SCALE IN FEET I" = 20'



*	PROPOSED LUMINAIRE SCHEDULE											
SYMBOL	LABEL	QUANTITY	SECURITY LIGHTING	DISTRIBUTION	LLF	MANUFACTURER	IES FILE					
	A	5	MIRADA MEDIUM OUTDOOR LED AREA LIGHT - 12L - 30K - 120-277V	TYPE 4	0.9	LSI LIGHTING	MRM-LED-12L-SIL-4-30-70CRI-IH.ies					
ightarrow	В	15	SRTI EDGE-LIT CEILING LIGHT - 30K - 15W - 2000LM - 120-277V	N/A	0.9	BEACON	SRT1-15-3K7-5C-UNV.ies					
	с	7	LSI LIGHTING MIRADA MEDIUM WALL SCONCE (XWM) - 30 LED	TYPE 2	0.9	LSI LIGHTING	XWM-2-LED-03L-30.ies					
	D	1	MIRADA MEDIUM OUTDOOR LED AREA LIGHT - 12L - 30K - 120-277V	TYPE 4	0.9	LSI LIGHTING	MRM-LED-12L-SIL-4-30-70CRI-IH.IES					

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+	0.0	⁺ 0.0	-*	[†] 0.0	÷0.1	[†] 0. I	⁺ 0.3	1.3 +	148.02 3.3	3.8		⁺ 4.5	⁺ 4.7	[±] .8	[†] 3.0	[†] 2.6	[†] 2.5	[‡] 2.5	[‡] 2.5	[†] 2.5	[†] 2.6	± 2.7	[‡] 3.1	⁺ 3.4	⁺ 3.4	⁺ 3.3	⁺ 3.0	± 3.0	3.0	⁺ 3.2	3.6	⁺ 3.4	⁺ 3.0	0	0.8			Ť	⁺ 0.0	tđ.o	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0
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ť	0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.1	[†] 0.1	[†] 0.3	1.0 ≥	2 3.6	1.1 3.3	- [‡] 36	[±] 3.10	[±] 2.2	1.6	1.3	1.3	İ.5	Ť. 7	Ť.8	†.8	t.7	1.0	Ϊ.6	İ.6	1.8	2.3	9	3.4	⁺ 3.8	⁺ 3.7	⁺ 3.4	2.6	[±] 2.0	4	3 0.5	 	> 	ţ0.	⁺ 0.0	ō.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0
ť	0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0) •0.1	0.2	(20)') [†] 0.7	2.9	[†] 3.8	+3	RIVER F	1.7	 	1.0	1.0	Ť.6	[†] 2.8	[†] 3.8	3.6	2.4		1.1		1.2	<u>†.</u> 7		3.8	[†] 3.6	[±] 3.3	[±] 3.6	[‡] 2.6	1.7 t	.0	5 [†] 0.3	0.2			[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0
ť	0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.1	Q. I	[†] 0.3	₹	[†] 3.1 Ш	⁺ 2.5 C	1.8	1.6	1.7	1.3		y [‡] 2.4		B (T	5") Q	<u>م</u> م	0 0			1.0	1.5	[±] 2.0	⁺ 2.5	³ .2 4	3.4 D')		- <u>+</u> 2.0	1.000	.6 0.	, <u>, , , , , , , , , , , , , , , , , , </u>	ا م	, j		⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0
ť	0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺0.1	[†] 0.1	ð.5\	. [†] .4	t.7	[*] 3.1	ە 	 				B (1	5') B (1	⁵ 5') ^B (B) B ((15') (15') 5	- 1.6 LF /	[†] 0.7	⁺ 0.6				 			 ↓ [†]	0.4	3 3	 	2 to.1				[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0
+	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	0.1	\≥ [†] 0.2 _{\EP} y	147.90 .5	т.я	-0.8]↓.5	C (8)	C (8')						· <u>· · · · [· · · · · · · · · · · · · ·</u>	B (EX)	B (EX)		B (EX)	B FX)	\backslash			¢.6	⁺ 0.2	[†] 0.1 o	. € †0.	۱ <mark>þ</mark> .۱			9.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0
+	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	.2 5.2	*0.1	[†] 0.2	[†] 0.4	[†] 0.8	[‡] 2.2		\backslash				\checkmark			//////	//////	//////		,,,,,,, ,	/ /.		\checkmark				+ 0.1 o 1				0	0.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0
+	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	†0.€	[†] 0.0	• +//// 0.1	⁺ 0.2	В				\succ														c	 ∳.5	[†] 0.5	[†] 0.0 [†]	0.0 0.0	0.0 [†] 0.0	[†] 0.0	[†] 0,0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0
+	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	- [†] 0.0	¥-0.0	0.E) [†] 0.1	⁺ 0 .4	1.2																/	(8')	d.7	[†] 0.4	[†] 0.0 [†]	0.0 ×0	00	ر) مە	F	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0
+	0.0	⁺ 0.0	[†] 0.0		⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	, , ,	0. I	[†] 0.0	(8)	//////	с /////	(8') ///////			/			B B	B B			\geq		\leq	\prec	[†] 0.0	[†] 0.2	+0.0	0.0 [†] 0.0	o0.0	[†] 0.0	[†] 0.0	+	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0
+	0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	÷0.0	† 0.0 -	[†] 0.3	t s s	4.4	4.9	3.7	4.7	 		B (EX)				• • •						$\langle \rangle$, [†] 0.0	, , , , ,	[†] 0.0	0.0 [†] 0.0	o to.o	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0
+	0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	a.o	[†] 0.0	[†] 0.1	[†] 0.1	23/22	√ <u>†</u> 0.2		√ + 0.7			/////	C (8')					/		\mathbf{i}			[†] 0.0	[†] 0.0	[†] 0.0	0.0 [†] 0.0	0 [†] 0.0	\	[†] 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0
+	0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	t.0.0,	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	+0.1		⁺ 0.3	0.7	 	4.3	-4.0	1.7	1.5	C (8')					<u> </u>			[†] 0.0	[†] 0.0 [†]	.0 [†] 0.0	0 [†] 0.0	, 	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0
+	0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.1	⁺ 0.1	∃ - 	[†] 0.0	⁺ 0.1	⁺ 0. I	⁺ 0.1	⁺ 0.4	⁺ 4.2	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	÷00	⁺ 0.0	⁺ 0.0	[†] 0.0	.0 [†] 0.0	0.0	⁺ 0.0	[†] 0.0	0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0
+	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 2 0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0		[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	÷0.0	^ ⁺ 0.0	⁺ 0.2	[†] 0.9	[†] 0.0	÷0.0	√ [†] 0.0	÷0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	0.00			[†] 0.0	[†] 0.0	[†] 0.0	*0. 0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0
+	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[‡] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	[†] 0.1	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	to.o t	0.0 [†] 0.(o [†] 0.0	0.0	0.0	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0
ť	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	Ö.0	[†] 0.0	[†] 0.0	[†] 0.0	top	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	÷ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0 [†]	0.0 0.0	0 0.0	+0.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0
ţ	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.9	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	0.0 [†] 0.0	o [†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0
ť	0.0	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] _{0.0}	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	⁺ 0.0	[†] 0.0	[†] 0.0 [†]	0.0 [†] 0.0	0.0 [†] 0.0	[†] 0.0	[†] 0.0	[†] 0.0	b.o	⁺ 0.0	[†] 0.0	[†] 0.0	[†] 0.0	⁺ 0.0





GENERAL LIGHTING NOTES

I. THE LIGHTING LEVELS DEPICTED WITHIN THE PLAN SET ARE CALCULATED UTILIZING DATA OBTAINED FROM THE LISTED MANUFACTURER. ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF ANY PROPOSED LIGHTING FIXTURE MAY VARY DUE TO UNCONTROLLABLE VARIABLES SUCH ARE WEATHER, VOLTAGE SUPPLY, LAMP TOLERANCE, EQUIPMENT SERVICE LIFE AND OTHER VARIABLE FIELD CONDITIONS. WHERE APPLICABLE, THE EXISTING LIGHT LEVELS DEPICTED WITHIN THE PLAN SET SHALL BE CONSIDERED APPROXIMATE. THE EXISTING LIGHT LEVELS ARE BASED ON FIELD OBSERVATIONS AND THE MANUFACTURER'S DATA OF THE ASSUMED OR MOST SIMILAR LIGHTING FIXTURE MODEL.
 UNLESS NOTED ELSEWHERE WITHIN THIS PLAN SET, THE LIGHT LOSS FACTORS USED IN THE LIGHTING ANALYSIS ARE AS SOLVERS. ANALYSIS ARE AS FOLLOWS: LIGHT EMITTING DIODES (LED): 0.90
 HIGH PRESSURE SODIUM: 0.72

HIGH PRESSURE SODIUM: 0.72
METAL HALIDE: 0.72
METAL HALIDE: 0.72
THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING, PRIOR TO THE START OF CONSTRUCTION, OF ANY PROPOSED LIGHTING LOCATIONS THAT CONFLICT WITH EXISTING/ PROPOSED DRAINAGE, UTILITY, OR OTHER IMPROVEMENTS.
THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRING PLAN AND PROVIDE ELECTRIC SERVICE TO ALL PROPOSED LIGHTING FIXTURES. THE CONTRACTOR IS REQUIRED TO PREPARE AN AS-BUILT PLAN OF WIRING AND PROVIDE COPIES TO THE OWNER AND STONEFIELD ENGINEERING & DESIGN, LLC.

GRAPHIC SCALE IN FEET I" = 20'

						3 06/04/2024 KLO FOR PLANNING BOARD RESUBMISSION	2 04/01/2024 AB FOR CONSERVATION COMMISSION SUBMISSION	I 12/08/2023 AB FOR PLANNING BOARD SUBMISSION	ISSUE DATE BY DESCRIPTION	
NO	T AP	PRO	VEC) FC)R C	ON	STR	UCI	FION	
	STONEFIEL D	andineering & decion		Drincoton VII - Tempo EI - Datroit MI		www.sconeneideng.com		1 20 YV 43111118 COLI 3 OL EEL, 3 ULE 201, 3416111, 11A 01 770 Phone 617.203.2076		
AND DEVELOPMENT PLANS ADA ARCHITECTS ROPOSED PRIMROSE SCHOOL HILD CARE CENTER								PARCEL ID: KI 0-0009 & KI 0-0040	THE TOWN OF SUDBURY MIDDLESEX COUNTY, MASSACHUSETTS	
JOSHUA H. KLINE, P.E. MASSACHUSETTS LICENSE No. 53936 LICENSED PROFESSIONAL ENGINEER										
		en	ngin	eeri	nga	& de	esig	n		
SCALE	:	I	" = 2	20' 🛛	PROJ	ECT	ID: I	BOS-2	230051	



YPE OF SOIL	52A- FREETOWN MUCK	255B-WINDSOR LOAMY SAND	302C-MONTAUK FINE SA
PERCENT OF SITE COVERAGE	35.70%	59.50%	4.70%
HYDROLOGIC SOIL GROUP	B/D	A	С
DEPTH TO RESTRICTIVE LAYER	>80 INCHES	>80 INCHES	20 - 43 INCHES
OIL PERMEABILITY	0.14 - 14.17 INCHES/HOUR	1.42 - 99.90 INCHES/HOUR	0.00 - 1.42 INCHES/HOU
DEPTH TO WATER TABLE	0 - 6 INCHES	>80 INCHES	18 - 37 INCHES



C-7

LANDSCAPING AND BUFFER REQUIREMENTS								
CODE SECTION	REQUIRED	PROPOSED						
	LANDSCAPE REQUIREMENTS							
§ 3532.	MINIMUM 30% OF LOT SHALL BE OPEN SPACE							
	LOT AREA: 214,118 SF							
	(214,118 SF) * (0.30) = 64,235 SF	178,148 SF (83%)						
	PARKING LOT LANDSCAPING							
§ 3541.	150 SF LANDSCAPING FOR EVERY 1,000 OF PARKING							
	PARKING LOT AREA: 15,847 SF							
	(15,847 SF) * (150 SF / 1,000 SF) = 2,377 SF	2,673 SF						
	PLANTED AREAS SHALL CONTAIN TREES AND OTHER PLANTINGS	COMPLIES						
§ 3542.	PARKING AND REFUSE AREAS SHALL BE SCREENED FROM VIEW OF R.O.W. AND ADJACENT PROPERTIES WITH PLANTED AREAS, BERMS, OR FENCES	COMPLIES						
§ 3543.	BUFFER STRIP REQUIRED BETWEEN PARKING LOT AND SIDE/REAR LOT LINES	PROVIDED						
	MINIMUM BUFFER WIDTH: 25 FT	19.9 FT (EN)						
	STREET FRONTAGE LANDSCAPING							
§ 3550.	LANDSCAPE BUFFER WIDTH: 20 FT	26.9 FT						
	BUFFER SHALL BE PLANTED WITH GRASS, SHRUBS, AND TREES	COMPLIES						
	I TREES FOR EVERY 40 LF OF FRONTAGE							
	BOSTON POST ROAD: 322 FT							
	(322 FT) * (I TREE / 40 FT FRONTAGE) = 8 TREES	5 EXISTING TRE 3 TREES PROPO						

		1					
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
~		•		DECIDUOUS T	REES		
$\langle \rangle$	NYS	I	NYSSA SYLVATICA	TUPELO	2" - 2.5" CAL	B&B	NATIVE. SALT TOLERANT
-				ORNAMENTAL	TREES		
(+)	AME	3	AMELANCHIER CANADENSIS	CANADIAN SERVICEBERRY	2" - 2.5" CAL	B&B	SINGLE STEM; NATIVE, DROUGHT TOLERANT, SALT TOLERANT
				SHRUBS			
$\langle + \rangle$	VER	6	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	30" - 36"	POT	NATIVE, SALT TOLERANT
				EVERGREEN SH	RUBS		
\bigcirc	ILE	22	ILEX GLABRA	INKBERRY HOLLY	30" - 36"	B&B	NATIVE. DROUGHT TOLERANT. SALT TOLERANT
		-		PERENNIALS AND	GRASSES		
	CAR	54	CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	I GAL.	POT, 24" O.C.	
	ERA	63	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	I GAL.	POT, 24" O.C.	NATIVE, DROUGHT TOLERANT, SALT TOLERANT

(EN) EXISTING NONCONFORMITY





IRRIGATION NOTE:

IRRIGATION CONTRACTOR TO PROVIDE A DESIGN FOR AN IRRIGATION SYSTEM SEPARATING PLANTING BEDS FROM LAWN AREA. PRIOR TO CONSTRUCTION, DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE DESIGNER FOR REVIEW AND APPROVAL. WHERE POSSIBLE, DRIP IRRIGATION AND OTHER WATER CONSERVATION TECHNIQUES SUCH AS RAIN SENSORS SHALL BE IMPLEMENTED. CONTRACTOR TO VERIFY MAXIMUM ON SITE DYNAMIC WATER PRESSURE AVAILABLE MEASURED IN PSI. PRESSURE REDUCING DEVICES OR BOOSTER PUMPS SHALL BE PROVIDED TO MEET SYSTEM PRESSURE REQUIREMENTS. DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS, CONTROLLERS, AND SLEEVES WITHIN HARDSCAPE AREAS.

LANDSCAPING NOTES

- I. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND LANDSCAPED AREAS TO MATCH EXISTING CONDITIONS UNLESS
- INDICATED OTHERWISE WITHIN THE PLAN SET. THE CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS WITH A MINIMUM 4 INCH LAYER OF TOPSOIL AND SEED.
- 3. THE CONTRACTOR SHALL RESTORE MULCH AREAS WITH A MINIMUM
- THE CONTRACTOR SHALL RESTORE MOLCH AREAS WITH A PHINTOPY 3 INCH LAYER OF MULCH .
 THE MAXIMUM SLOPE ALLOWABLE IN LANDSCAPE RESTORATION AREAS SHALL BE 3 FEET HORIZONTAL TO I FOOT VERTICAL (3:1 SLOPE) UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
- 5. THE CONTRACTOR IS REQUIRED TO LOCATE ALL SPRINKLER HEADS IN AREA OF LANDSCAPING DISTURBANCE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE SPRINKLER HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS OF DISTURBANCE.
- 6. THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED LANDSCAPED AREAS ARE GRADED TO MEET FLUSH AT THE ELEVATION OF WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. NO ABRUPT CHANGES IN GRADE ARE PERMITTED IN DISTURBED LANDSCAPING AREAS.

GRAPHIC SCALE IN FEET l" = 20'





I. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF 2. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER

• MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY • MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY

GENERAL LANDSCAPING NOTES:

- I. THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE I. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004) OR LATEST SPECIFICATIONS, APPROVED OR FINAL DRAWINGS, AND INSTRUCTIONS PROVIDED BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIALS, OR OWNER/OWNER'S REPRESENTATIVE. ALL WORK COMPLETED AND MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE INTENTION OF THE SPECIFICATIONS, DRAWINGS, AND INSTRUCTIONS AND EXECUTED WITH THE STANDARD LEVEL OF CARE FOR THE LANDSCAPE INDUSTRY.
- WORK MUST BE CARRIED OUT ONLY DURING WEATHER CONDITIONS FAVORABLE TO LANDSCAPE CONSTRUCTION AND TO THE HEALTH AND WELFARE OF PLANTS. THE SUITABILITY OF SUCH WEATHER CONDITIONS SHALL BE DETERMINED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL. 3. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, BEFORE ORDERING OR PURCHASING MATERIALS, TO PROVIDE SAMPLES OF THOSE MATERIALS TO THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL FOR APPROVAL,
- IF SO REQUESTED. 4. IF SAMPLES ARE REQUESTED, THE LANDSCAPE CONTRACTOR IS TO SUBMIT CERTIFICATION TAGS FROM TREES, SHRUBS AND SEED VERIFYING TYPE AND PURITY.
- 5. UNLESS OTHERWISE AUTHORIZED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL, THE LANDSCAPE CONTRACTOR SHALL PROVIDE NOTICE AT LEAST FORTY-EIGHT HOURS (48 HRS.) IN ADVANCE OF THE ANTICIPATED DELIVERY DATE OF ANY PLANT MATERIALS TO THE PROJECT SITE. A LEGIBLE COPY OF THE INVOICE, SHOWING VARIETIES AND SIZES OF MATERIALS INCLUDED FOR EACH SHIPMENT SHALL BE FURNISHED TO THE PROJECT LANDSCAPE
- DESIGNER. OR GOVERNING MUNICIPAL OFFICIAL 6. THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY PLACE.

PROTECTION OF EXISTING VEGETATION NOTES

- BEFORE COMMENCING WORK, ALL EXISTING VEGETATION WHICH COULD BE IMPACTED AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES MUST BE PROTECTED FROM DAMAGE BY THE INSTALLATION OF TREE PROTECTION FENCING. FENCING SHALL BE LOCATED AT THE DRIP-LINE OR LIMIT OF DISTURBANCE AS DEPICTED WITHIN THE APPROVED OR FINAL PLAN SET, ESTABLISHING THE TREE PROTECTION ZONE. FENCE INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE PROTECTION FENCE DETAIL." NO WORK MAY BEGIN UNTIL THIS REQUIREMENT IS FULFILLED. THE FENCING SHALL BE INSPECTED REGULARLY BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED
- IN ORDER TO AVOID DAMAGE TO ROOTS, BARK OR LOWER BRANCHES, NO VEHICLE, EQUIPMENT, DEBRIS, OR OTHER MATERIALS SHALL BE DRIVEN, PARKED OR PLACED WITHIN THE TREE PROTECTION ZONE. ALL ON-SITE CONTRACTORS SHALL USE ANY AND ALL PRECAUTIONARY MEASURES WHEN PERFORMING WORK AROUND TREES, WALKS, PAVEMENTS, UTILITIES, AND ANY OTHER FEATURES FITHER EXISTING OR PREVIOUSLY INSTALLED UNDER THIS CONTRACT 3. IN RARE INSTANCES WHERE EXCAVATING, FILL, OR GRADING IS REQUIRED WITHIN THE DRIP-LINE OF TREES TO REMAIN, THE
- WORK SHALL BE PERFORMED AS FOLLOWS: • TRENCHING: WHEN TRENCHING OCCURS AROUND TREES TO REMAIN, THE TREE ROOTS SHALL NOT BE CUT, BUT THE TRENCH SHALL BE TUNNELED UNDER OR AROUND THE ROOTS BY CAREFUL HAND DIGGING AND WITHOUT INJURY TO
- THE ROOTS. NO ROOTS, LIMBS, OR WOODS ARE TO HAVE ANY PAINT OR MATERIAL APPLIED TO ANY SURFACE. • RAISING GRADES: WHEN THE GRADE AT AN EXISTING TREE IS BELOW THE NEW FINISHED GRADE. AND FILL NOT EXCEEDING 6 INCHES (6") IS REQUIRED. CLEAN, WASHED GRAVEL FROM ONE TO TWO INCHES (1" - 2") IN SIZE SHALL BE PLACED DIRECTLY AROUND THE TREE TRUNK THE GRAVEL SHALL EXTEND OUT FROM THE TRUNK ON ALL SIDES A MINIMUM OF 18 INCHES (18") AND FINISH APPROXIMATELY TWO INCHES (2") ABOVE THE FINISH GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE LEFT IN CONTACT WITH THE TRUNK OF ANY TREE REOUIRING FILL. WHERE FILL EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID TREE WELL SHALL BE CONSTRUCTED. IF APPLICABLE, TREE WELL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE WELL DETAIL."
- LOWERING GRADES: EXISTING TREES LOCATED IN AREAS WHERE THE NEW FINISHED GRADE IS TO BE LOWERED, SHALL HAVE RE-GRADING WORK DONE BY HAND TO THE INDICATED ELEVATION, NO GREATER THAN SIX INCHES (6"), ROOTS SHALL BE CUT CLEANLY THREE INCHES (3") BELOW FINISHED GRADE UNDER THE DIRECTION OF A LICENSED ARBORIST WHERE CUT EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID RETAINING WALL SHALL BE CONSTRUCTED. IF APPLICABLE, THE RETAINING WALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE RETAINING WALL DETAIL."

SOIL PREPARATION AND MULCH NOTES:

- I. LANDSCAPE CONTRACTOR SHALL OBTAIN A SOIL TEST OF THE IN-SITU TOPSOIL BY A CERTIFIED SOIL LABORATORY PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL ALLOW FOR A TWO WEEK TURNAROUND TIME FROM SUBMITTAL OF SAMPLE TO NOTIFICATION OF RESULTS.
- . BASED ON SOIL TEST RESULTS, ADJUST THE RATES OF LIME AND FERTILIZER THAT SHALL BE MIXED INTO THE TOP SIX INCHES (6") OF TOPSOIL. THE LIME AND FERTILIZER RATES PROVIDED WITHIN THE "SEED SPECIFICATION" OR "SOD SPECIFICATION" IS APPROXIMATE AND FOR BIDDING PURPOSES ONLY. IF ADDITIONAL AMENDMENTS ARE NECESSARY, ADJUST THE TOPSOIL AS FOLLOWS • MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY
- VOLUME) OR GYPSUM. • MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
- TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL TOPSOIL OF LOAMING CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL OBTAINED FROM A WELL-DRAINED ARABLE SITE, FREE FROM ALL CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIAL GREATER THAN ONE INCH (1"). 4. TOPSOIL SHALL HAVE A PH RANGE OF 5.0-7.0 AND SHALL NOT CONTAIN LESS THAN 6% ORGANIC MATTER BY WEIGH
- 5. OBTAIN TOPSOIL ONLY FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT THE PROIECT SITE. 5. CONTRACTOR SHALL PROVIDE A SIX INCH (6") DEEP LAYER OF TOPSOIL IN ALL PLANTING AREAS. TOPSOIL SHALL BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS. THE SPREADING OF
- TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN SOIL CONDITIONS. UNLESS OTHERWISE NOTED IN THE CONTRACT, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBED AREA OF THE SITE.
- LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE SUB-GRADE ELEVATION MEETS THE FINISHED GRADE ELEVATION (LESS REOUIRED TOPSOIL). IN ACCORDANCE WITH THE APPROVED OR FINAL GRADING PLAN 9. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE
- OF SURFACE AS DEPICTED WITHIN THE APPROVED OR FINAL CONSTRUCTION SET UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO THE INSTALLATION OF PLANTINGS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECTIVE ACTION SHALL BE TAKEN PRIOR TO INSTALLATION. ALL PLANTING AND LAWN AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE
- II. DOUBLE SHREDDED HARDWOOD MULCH OR APPROVED EQUAL SHALL BE USED AS A THREE INCH (3") TOP DRESSING IN ALL SHRUB PLANTING BEDS AND AROUND ALL TREES PLANTED BY LANDSCAPE CONTRACTOR. GROUND COVER, PERENNIAL, AND ANNUAL PLANTING BEDS SHALL BE MULCHED WITH A TWO INCH (2") TOP DRESSING. SINGLE TREES OR SHRUBS SHALL BE MULCHED TO AVOID CONTACT WITH TRUNK OR PLANT STEM. MULCH SHALL BE OF SUFFICIENT CHARACTER AS NOT TO BE
- EASILY DISPLACED BY WIND OR WATER RUNOFF 2. WHENEVER POSSIBLE, THE SOIL PREPARATION AREA SHALL BE CONNECTED FROM PLANTING TO PLANTING. 13. Soil shall be loosened with a backhoe or other large coarse-tiling equipment unless the soil is frozen or EXCESSIVELY WET. TILING THAT PRODUCES LARGE, COARSE CHUNKS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FINE
- GRAINS UNIFORM IN TEXTURE. AFTER THE AREA IS LOOSENED IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLE. 14. APPLY PRE-EMERGENT WEED CONTROL TO ALL PLANT BEDS PRIOR TO MULCHING. ENSURE COMPATIBILITY BETWEEN PRODUCT AND PLANT MATERIAL 15. ALL PLANTING SOIL SHALL BE AMENDED WITH THE FOLLOWING:

MYCRO® TREE SAVER - A DRY GRANULAR MYCORRHIZAL FUNGI INOCULANT THAT IS MIXED IN THE BACKFILL WHEN PLANTING TREES AND SHRUBS. IT CONTAINS SPORES OF BOTH ECTOMYCORRHIZAL AND VA MYCORRHIZAL FUNGI (VAM), BENEFICIAL RHIZOSPHERE BACTERIA, TERRA-SORB SUPERABSORBENT HYDROGEL TO REDUCE WATER LEACHING, AND SELECTED ORGANIC MICROBIAL NUTRIENT

- DIRECTIONS FOR USE: USE 3-OZ PER EACH FOOT DIAMETER OF THE ROOT BALL, OR 3-OZ PER INCH CALIPER. MIX INTO THE BACKFILL WHEN TRANSPLANTING TREES AND SHRUBS. MIX PRODUCT IN A RING-SHAPED VOLUME OF SOIL AROUND THE UPPER PORTION OF THE ROOT BALL. EXTENDING FROM THE SOIL SURFACE TO A DEPTH OF ABOUT 8 INCHES, AND EXTENDING OUT FROM THE ROOT BALL ABOUT 8 INCHES INTO THE BACKFILL APPLY WATER TO SOIL SATURATION • MYCOR® TREE SAVER® IS EFFECTIVE FOR ALL TREE AND SHRUB SPECIES EXCEPT RHODODENDRONS, AZALEAS, AND
- MOUNTAIN LAUREL, WHICH REQUIRE ERICOID MYCORRHIZAE. • SOIL PH: THE FUNGI IN THIS PRODUCT WERE CHOSEN BASED ON THEIR ABILITY TO SURVIVE AND COLONIZE PLANT ROOTS
- IN A PH RANGE OF 3 TO 9. FUNGICIDES: THE USE OF CERTAIN FUNGICIDES CAN HAVE A DETRIMENTAL EFFECT ON THE INOCULATION PROGRAM. SOIL APPLICATION OF ANY FUNGICIDE IS NOT RECOMMENDED FOR TWO WEEKS AFTER APPLICATION.
- OTHER PESTICIDES: HERBICIDES AND INSECTICIDES DO NOT NORMALLY INTERFERE WITH MYCORRHIZAL FUNGAL DEVELOPMENT, BUT MAY INHIBIT THE GROWTH OF SOME TREE AND SHRUB SPECIES IF NOT USED PROPERLY.
- HEALTHY START MACRO TABS 12-8-8
- FERTILIZER TABLETS ARE PLACED IN THE UPPER 4 INCHES OF BACKFILL SOIL WHEN PLANTING TREES AND SHRUBS. • TABLETS ARE FORMULATED FOR LONG-TERM RELEASE BY SLOW BIODEGRADATION, AND LAST UP TO 2 YEARS AFTER PLANTING. TABLETS CONTAIN 12-8-8 NPK FERTILIZER, AS WELL AS A MINIMUM OF SEVEN PERCENT (7%) HUMIC ACID BY WEIGHT, MICROBIAL NUTRIENTS DERIVED FROM SEA KELP, PROTEIN BYPRODUCTS, AND YUCCA SCHIDIGERA, AND A COMPLEMENT OF BENEFICIAL RHIZOSPHERE BACTERIA. THE STANDARD 21 GRAM TABLET IS SPECIFIED HERE. DIRECTIONS FOR USE: FOR PLANTING BALLED & BURLAPPED (B&B) TREES AND SHRUBS, MEASURE THE THICKNESS OF THE TRUNK, AND USE ABOUT I TABLET (21-G) PER HALF-INCH. PLACE THE TABLETS DIRECTLY NEXT TO THE ROOT BALL, EVENLY DISTRIBUTED AROUND ITS PERIMETER, AT A DEPTH OF ABOUT 4 INCHES.

IRRIGATION DURING ESTABLISHMENT									
SIZE AT PLANTING	IRRIGATION FOR VITALITY	IRRIGATION FOR SURVIVAL							
< 2" CALIPER	DAILY FOR TWO WEEKS, EVERY OTHER DAY FOR TWO MONTHS, WEEKLY UNTIL ESTABLISHED	TWO TO THREE TIMES WEEKLY FOR TWO TO THREE MONTHS							
2"-4 CALIPER	DAILY FOR ONE MONTH, EVERY OTHER DAY FOR THREE MONTHS, WEEKLY UNTIL ESTABLISHED	TWO TO THREE TIMES WEEKLY FOR THREE TO FOUR MONTHS							
4 >" CALIPER	DAILY FOR SIX WEEKS, EVERY OTHER DAY FOR FIVE MONTHS, WEEKLY UNTIL ESTABLISHED	TWICE WEEKLY FOR FOUR TO FIVE MONTHS							

I. AT EACH IRRIGATION, APPLY TWO TO THREE GALLONS PER INCH TRUNK CALIPER TO THE ROOT BALL SURFACE. APPLY IT IN A MANNER SO ALL WATER SOAKS THE ENTIRE ROOT BALL. DO NOT WATER IF ROOT BALL IS WET/SATURATED ON THE IRRIGATION DAY.

2. WHEN IRRIGATING FOR VITALITY, DELETE DAILY IRRIGATION WHEN PLANTING IN WINTER OR WHEN PLANTING IN COOL CLIMATES. ESTABLISHMENT TAKES THREE TO FOUR MONTHS PER INCH TRUNK CALIPER. NEVER APPLY IRRIGATION IF THE SOIL IS SATURATED.

3. WHEN IRRIGATION FOR SURVIVAL, TREES TAKE MUCH LONGER TO ESTABLISH THAN REGULARLY IRRIGATED TREES. IRRIGATION MAY BE REQUIRED IN THE NORMAL HOT, DRY PORTIONS OF THE FOLLOWING YEAR.



INSTALLATION GUIDELINES: LOOP TIE AROUND TREE AND NAIL TO CEDAR STAKE REMOVE ALL STAKING AND TIES AT END OF FIRST

GROWING SEASON. FOLD ENDS OF ARBORTIE BACK. SECURE TO STAKES

WITH I" GALVANIZED ROOFING NAIL OR USE A

- KNOT. CONSULT LANDSCAPE ARCHITECT FOR STAKING OF TREES LARGER THAN 6
- SOURCES INCLUDE GEMPLERS I-800-332-6744 or GEMPLERS.COM CSP OUTDOORS 1-800-592-6940 or
- **ARBORTIE DETAIL**
 - NOT TO SCALE

5

- CSPOUTDOORS.COM

PLANT QUALITY AND HANDLING NOTES

REVISION AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. 2. IN ALL CASES, BOTANICAL NAMES LISTED WITHIN THE APPROVED OR FINAL PLANT LIST SHALL TAKE PRECEDENCE OVER COMMON NAMES

3. ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, TIGHTLY KNIT, SO TRAINED OR FAVORED IN THEIR DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL HAVE A NORMAL HABIT OR SOUND. HEALTHY, VIGOROUS PLANTS WITH WELL DEVELOPED ROOT SYSTEM. PLANTS SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE 4. PLANTS SHALL NOT BE PRUNED BEFORE DELIVERY. TREES WITH ABRASION OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR

FRESH CUTS OF LIMBS OVER ONE AND ONE-FOURTH INCHES (1-1/4") WHICH HAVE NOT COMPLETELY CALLOUSED SHALL BE REIECTED 5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH AND BE LEGIBLY

TAGGED WITH THE PROPER NAME AND SIZE. 6. THE ROOT SYSTEM OF EACH PLANT SHALL BE WELL PROVIDED WITH FIBROUS ROOTS. ALL PARTS SHALL BE SOUND, HEALTHY, VIGOROUS WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF

. All plants designated ball and burlap (b&b) must be moved with the root system as solid units with balls of EARTH FIRMLY WRAPPED WITH BURLAP. THE DIAMETER AND DEPTH OF THE BALLS OF EARTH MUST BE SUFFICIENT TO encompass the fibrous root feeding systems necessary for the healthy development of the plant. No plant SHALL BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN BADLY CRACKED OR BROKEN PREPARATORY TO OR DURING THE PROCESS OF PLANTING. THE BALLS SHALL REMAIN INTACT DURING ALL OPERATIONS. ALL PLANTS THAT CANNOT BE PLANTED AT ONCE MUST BE HEELED-IN BY SETTING IN THE GROUND AND COVERING THE BALLS WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED. IF TREATED BURLAP IS USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.

8. PLANTS TRANSPORTED TO THE PROJECT IN OPEN VEHICLES SHALL BE COVERED WITH TARPS OR OTHER SUITABLE COVERS securely fastened to the body of the vehicle to prevent iniury to the plants. Closed vehicles shall be ADEQUATELY VENTILATED TO PREVENT OVERHEATING OF THE PLANTS. EVIDENCE OF INADEQUATE PROTECTION FOLLOWING DIGGING, CARELESSNESS WHILE IN TRANSIT, OR IMPROPER HANDLING OR STORAGE SHALL BE CAUSE FOR REJECTION OF PLANT MATERIAL. ALL PLANTS SHALL BE KEPT MOIST, FRESH, AND PROTECTED. SUCH PROTECTION SHALL ENCOMPASS THE ENTIRE PERIOD DURING WHICH THE PLANTS ARE IN TRANSIT. BEING HANDLED, OR ARE IN TEMPORARY STORAGE. 9. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING LANDSCAPE PLAN AND PLANTING

DETAILS 10. LANDSCAPE CONTRACTOR SHALL MAKE BEST EFFORT TO INSTALL PLANTINGS ON THE SAME DAY AS DELIVERY. IF PLANTS ARE NOT PLANTED IMMEDIATELY ON SITE, PROPER CARE SHALL BE TAKEN TO PLACE THE PLANTINGS IN PARTIAL SHADE WHEN POSSIBLE. THE ROOT BALL SHALL BE KEPT MOIST AT ALL TIME AND COVERED WITH MOISTENED MULCH OR AGED WOODCHIPS. PROPER IRRIGATION SHALL BE SUPPLIED SO AS TO NOT ALLOW THE ROOT BALL TO DRY OUT. PLANTINGS HALL BE UNTIED AND PROPER SPACING SHALL BE ALLOTTED FOR AIR CIRCULATION AND TO PREVENT DISEASE, WILTING. AND LEAF LOSS. PLANTS THAT REMAIN UNPLANTED FOR A PERIOD OF TIME GREATER THAN THREE (3) DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH AND WATERED AS REQUIRED TO PRESERVE ROOT MOISTURE. II. NO PLANT MATERIAL SHALL BE PLANTED IN MUDDY OR FROZEN SOIL.

12. PLANTS WITH INJURED ROOTS OR BRANCHES SHALL BE PRUNED PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY DISEASED OR INJURED PLANTS SHALL BE REMOVED. 13. IF ROCK OR OTHER UNDERGROUND OBSTRUCTION IS ENCOUNTERED, THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO

RELOCATE OR ENLARGE PLANTING PITS OR DELETE PLANT MATERIAL FROM THE CONTRACT. 14. IF PLANTS ARE PROPOSED WITHIN SIGHT TRIANGLES, TREES SHALL BE LIMBED AND MAINTAINED TO A HEIGHT OF EIGHT FEET (8') ABOVE GRADE, AND SHRUBS, GROUND COVER, PERENNIALS, AND ANNUALS SHALL BE MAINTAINED TO A HEIGHT NOT TO EXCEED TWO FEET (2') ABOVE GRADE UNLESS OTHERWISE NOTED OR SPECIFIED BY THE GOVERNING MUNICIPALITY OR AGENCY

15. INSTALLATION SHALL OCCUR DURING THE FOLLOWING SEASONS PLANTS (MARCH 15 - DECEMBER 15)

LAWNS (MARCH 15 - IUNE 15 OR SEPTEMBER 1 - DECEMBER 1)

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16. THE FOLLOWING TREES ARE SUSCEPTIBLE TO TRANSPLANT SHOCK AND SHALL NOT BE PLANTED DURING THE FALL SEASON (STARTING SEPTEMBER 15 OSTRYA VIRGINIANA

ABIES CONCOLOR	CORNUS VARIETIES	OSTRYA VIRGINIANA
ACER BUERGERIANUM	CRATAEGUS VARIETIES	PINUS NIGRA
ACER FREEMANII	CUPRESSOCYPARIS LEYLANDII	PLATANUS VARIETIES
ACER RUBRUM	FAGUS VARIETIES	POPULUS VARIETIES
ACER SACCHARINUM	HALESIA VARIETIES	PRUNUS VARIETIES
BETULA VARIETIES	ILEX X FOSTERII	PYRUS VARIETIES
CARPINUS VARIETIES	ILEX NELLIE STEVENS	QUERCUS VARIETIES (NOT Q. PALUSTRIS)
CEDRUS DEODARA	ILEX OPACA	SALIX WEEPING VARIETIES
CELTIS VARIETIES	JUNIPERUS VIRGINIANA	SORBUS VARIETIES
CERCIDIPHYLLUM VARIETIES	KOELREUTERIA PANICULATA	TAXODIUM VARIETIES
CERCIS CANADENSIS	LIQUIDAMBAR VARIETIES	TAXUX B REPANDENS
CORNUS VARIETIES	LIRIODENDRON VARIETIES	TILIA TOMENTOSA VARIETIES
CRATAEGUS VARIETIES	MALUS IN LEAF	ULMUS PARVIFOLIA VARIETIES
	NYSSA SYLVATICA	ZELKOVA VARIETIES

ARIETIES ANDENS TOSA VARIETIES FOLIA VARIETIES RIETIES 17. IF A PROPOSED PLANT IS UNATTAINABLE OR ON THE FALL DIGGING HAZARD LIST, AN EQUIVALENT SPECIES OF THE SAME SIZE

MAY BE REQUESTED FOR SUBSTITUTION OF THE ORIGINAL PLANT. ALL SUBSTITUTIONS SHALL BE APPROVED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL PRIOR TO ORDERING AND INSTALLATION. 18. DURING THE COURSE OF CONSTRUCTION/PLANT INSTALLATION, EXCESS AND WASTE MATERIALS SHALL BE CONTINUOUSLY

and promptly removed at the end of each work day. All debris, materials, and tools shall be properly STORED, STOCKPILED OR DISPOSED OF AND ALL PAVED AREAS SHALL BE CLEANED.

19. THE LANDSCAPE CONTRACTOR SHALL DISPOSE OF ALL RUBBISH AND EXCESS SOIL AT HIS EXPENSE TO AN OFF-SITE LOCATION AS APPROVED BY THE LOCAL MUNICIPALITY. 20. A 90-DAY MAINTENANCE PERIOD SHALL BEGIN IMMEDIATELY AFTER ALL PLANTS HAVE BEEN SATISFACTORILY INSTALLED.

21. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR) THER MEANS, REPAIRING AND RESHAPING WATER RINGS OR SAUCERS, MAINTAINING STAKES AND GUYS IF ORIGINALI REQUIRED, WATERING WHEN NEEDED OR DIRECTED, WEEDING, PRUNING, SPRAYING, FERTILIZING, MOWING THE LAWN, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION.

2. MOW ALL GRASS AREAS AT REGULAR INTERVALS TO KEEP THE GRASS HEIGHT FROM EXCEEDING THREE INCHES (3"). MOWING SHALL BE PERFORMED ONLY WHEN GRASS IS DRY. MOWER BLADE SHALL BE SET TO REMOVE NO MORE THAN ONE THIRD (1/3) OF THE GRASS LENGTH. WHEN THE AMOUNT OF GRASS IS HEAVY, IT SHALL BE REMOVED TO PREVENT DESTRUCTION OF THE UNDERLYING TURF. MOW GRASS AREAS IN SUCH A MANNER AS TO PREVENT CLIPPINGS FROM BLOWING ON PAVED AREAS, AND SIDEWALKS. CLEANUP AFTER MOWING SHALL INCLUDE SWEEPING OR BLOWING OF PAVED AREAS AND SIDEWALKS TO CLEAR THEM FROM MOWING DEBRIS.

23. GRASSED AREAS DAMAGED DURING THE PROCESS OF THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL RESTORE THE DISTURBED AREAS TO A CONDITION SATISFACTORY TO THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE. THIS MAY INCLUDE FILLING TO GRADE, FERTILIZING, SEEDING, AND MULCHING

24. SHOULD THE OWNER REQUIRE MAINTENANCE BEYOND THE STANDARD 90-DAY MAINTENANCE PERIOD, A SEPARATE CONTRACT SHALL BE ESTABLISHED.

25. LANDSCAPE CONTRACTOR SHALL WATER NEW PLANTINGS FROM TIME OF INSTALL AND THROUGHOUT REQUIRED 90-DAY MAINTENANCE PERIOD UNTIL PLANTS ARE ESTABLISHED. IF ON-SITE WATER IS NOT AVAILABLE AT THE PROJECT LOCATION, THE LANDSCAPE CONTRACTOR SHALL FURNISH IT BY MEANS OR A WATERING TRUCK OR OTHER ACCEPTABLE MANNER. 26. THE QUANTITY OF WATER APPLIED AT ONE TIME SHALL BE SUFFICIENT TO PENETRATE THE SOIL TO A MINIMUM OF EIGHT INCHES (8") IN SHRUB BEDS AND SIX INCHES (6") IN TURF AREAS AT A RATE WHICH WILL PREVENT SATURATION OF THE SOIL. 27. IF AN AUTOMATIC IRRIGATION SYSTEM HAS BEEN INSTALLED, IT CAN BE USED FOR WATERING PLANT MATERIAL. HOWEVER,

FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY OF PLANT HEALTH AND

PLANT MATERIAL GUARANTEE NOTES

ESTABLISHMENT.

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR (I YR.) FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE

.. THE LANDSCAPE CONTRACTOR SHALL REMOVE AND REPLACE DYING, DEAD, OR DEFECTIVE PLANT MATERIAL AT HIS EXPENSE. THE LANDSCAPE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS COMPANY'S OPERATIONS. 3. ALL REPLACEMENT PLANTS SHALL BE OF THE SAME SPECIES AND SIZE AS SPECIFIED ON THE APPROVED OR FINAL PLANT LIST. REPLACEMENTS RESULTING FROM REMOVAL, LOSS, OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, VANDALISM, PHYSICAL DAMAGE BY ANIMALS, VEHICLES, ETC., AND LOSSES DUE TO CURTAILMENT OF WATER BY LOCAL AUTHORITIES SHALL BE APPROVED AND PAID FOR BY THE OWNER.

4. THE CONTRACTOR SHALL INSTRUCT THE OWNER AS TO THE PROPER CARE AND MAINTENANCE OF ALL PLANTINGS.

ALL FENCES, SIGNS, BARRIERS OR OTHER TEMPORARY PROTECTIVE DEVICES ONCE LAWN HAS BEEN ESTABLISHED.

LAWN (SEED OR SOD) NOTES:

. SEED MIXTURE SHALL BE FRESH, CLEAN, NEW CROP SEED. SOD SHALL BE STRONGLY ROOTED, UNIFORM IN THICKNESS, AND FREE OF WEEDS, DISEASE, AND PESTS. . SEED OR SOD SHALL BE PURCHASED FROM A RECOGNIZED DISTRIBUTOR AND SHALL BE COMPOSED OF THE MIX OR BLEND

WITHIN THE PROVIDED "SEED SPECIFICATION" OR "SOD SPECIFICATION.'

3. REFERENCE LANDSCAPE PLAN FOR AREAS TO BE SEEDED OR LAID WITH SOD 4. SEEDING SHALL NOT BE PERFORMED IN WINDY WEATHER. IF THE SEASON OF THE PROJECT COMPLETION PROHIBITS PERMANENT STABILIZATION, TEMPORARY STABILIZATION SHALL BE PROVIDED IN ACCORDANCE WITH THE "TEMPORARY

SEEDING SPECIFICATION.' 5. PROTECT NEW LAWN AREAS AGAINST TRESPASSING WHILE THE SEED IS GERMINATING. FURNISH AND INSTALL FENCES, SIGNS, BARRIERS OR ANY OTHER NECESSARY TEMPORARY PROTECTIVE DEVICES. DAMAGE RESULTING FROM TRESPASS, EROSION, WASHOUT, SETTLEMENT OR OTHER CAUSES SHALL BE REPAIRED BY THE LANDSCAPE CONTRACTOR AT HIS EXPENSE. REMOVE









BEACON 69 DATE: LOCATION: TYPE: PROJECT: SR SRT1 EDGE-LIT CATALOG #: CEILIN CEILING/SURFACE/GARAG DRIVE ORD FEATURES CATALO For ceiling mount and parking garage applications from an 8–15 foot mounting height · Edge-lit flat lens for optimal visual comfort and uniformity across the lens Series SRT1 E Two optical distributions specifically design for parking garage and canopy applications are available making the Beacon Edge-Lit luminaire both versatile and functional UL/cUL listed for wet locations. IP65 and 3G vibration rated Occupancy sensor available for complete on/off and dimming operation SP IP65 PREMIUM CONTROL TECHNOLOGY NX Sta NXW Weight SRT1 8 lbs / 3.6 kg SPECIFICATIONS Sensor SCP ELECTRICAL HOUSING CERTIFICATIONS SCP-2 120V-277V 50/60Hz available Listed to UL1598 for use in wet location, · Die-cast aluminum housing ensures Notes long electrical component life and listed for -40°C to 40°C applications • 0-10V dimming drivers are RoHS compliant Mu luminaire performance IDA approved with zero uplight for 3000K Dimming Drivers are standard and dimming 2 Star Corrosion resistant powder coat finish and warmer CCTs 3 SP10 leads are extended out of the luminaire both protects and provides architectural 4 1201 unless control options require connection DLC^a (DesignLights Consortium) appearance to the dimming leads. Must specify if wiring Qualified. Please refer to the DLC leads are to be greater than the 24" standard One piece molded silicone gasket ensures website for specific product qualifications PERFORMANCE DATA weather proof seal at www.designlights.org INSTALLATION Thermally isolated driver mounted to IP65 Standard quick mount plate over standard dedicated bracket reduces operating 4" junction box or octagonal junction box WARRANTY temperatures and increases driver life and allows for simplified fixture installation 5 year warranty and reliability Standard luminaire accepts a rigid or 3/4" · Torx head screws standard for tamper NPT stem for pendant mounting via wet resistant housing location j-box (by others) Optional bird deterrent shroud available OPTICS for field installation · Edge-lit acrylic light guide provides blended non-pixelated light for unprecedented **OPTIONS/CONTROLS** visual comfort Standalone occupancy sensor available for Choice of multiple light outputs with lumen on/off or dimming operation range of 2000-6000 Uplight option provides approximately Two distribution types: Type 5 Square Wide, 800 lumens and consumes only 8 Type 5 Concentrated additional watts · Wide variety of CCT's and CRI's offered: Vandal resistant wire guard available as 3000K (70CRI), 3000K (80CRI), 3500K an option for factory installation or as an (80CRI), 4000K (70CRI), 4000K (80CRI) or accessory for field installation 5000K (70 CRI) CCT Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as

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anticipated depending on your application

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LIGHT FIXTURE 'B' DETAIL

NOT TO SCALE

EACON							_	LOCATION:		_		
						YPE:	-					
EDGE-						CATALOC	3 #: 					
102.0111.02												
GUIDE									Exam	ple: SRT1-	35-3K7-5QW-UNV-I	
			Ĩ.									
	-				-	-	-			-		
Engine 15 15W Nominal	CCT 3K7	3000K	Distrit	Type 5	Voltag	120V-	Color/	Finish Black Matte Te	exh arect	Options	Wire Guarri	
2000 lm	U.V.	70 CRI	Jan	Square Wide	-	277V	BLS	Black Gloss Si	nooth	UD	Uplight Module ³	
20 20W Nomina 2500 lm	3K8	3000K	5C	Type 5	120	120V	DBT	Dark Bronze N	latte	F	Single Fuse (120, 277)	
35 35W Nomin	35K8	3500K	-	Concentrateo	208	208V	DBS	Dark Bronze G	loss	LD3	36" Lead Length ²	
4500 lm		BO CRI			240	2400	GTT	Smooth Gracibite Math	Texturburi	LDG	108" Lead Length*	
55 55W Noming	4K7	4000K,			1.00	810	LGS	Light Grey Glo	ss Smooth	SPIOK	10kA Surge Protection ³	
0000 IM	4K8	4000K					PSS	Platinum Silver	Smooth	LMB	Less Mounting Bracket	
	0.255	BO CRI					WHT	White Matte T	extured			
	5K7	5000K, 70 CRI					WHS	White Gloss S	mooth			
		10.014					Color	Option	extract			
			I.			ļ	CC	Custom Color	5	Į.		
							Ac	cessories (Ord	der Separately	n		
] SRT1-WG	Wire Gi	uard		
IV b. bbNET Weeles	Enabled late	and NYCK		DD Ocaupaca	Concercia	il.		SRT-MB	Mountir	ng bracket fe	or pre-installation	
NX Rubbits Wreless Enabled Integral NXSMP2-OMM PR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming								SRT1-BS-	XXX Bird det	Bird deterrent shroud for SRTI version, not available with unlight		
15° Remote control programmable line voltage sensor (8-12' recommended mounting height) ⁴								SCP-	Remote	Remote control for SCP option; order at		
Remote control progr	ammable line	voltage si	ensor (12-2	0' recommend	ed mountin	ig height)	4	REMOTE	least or	least on per project to program and control		
								CLEDSJK	Whitew	ay stem and	d junction box	

al Watts	Nominal Lumens	al Distribution 5K (5000K NOMINAL 70 CRI) 4K (4000K						OOK NON	IINAL	70 CF	리)	3K (3000K NOMINAL 70 CRI)						
		Lumens	Distribution	Lumens	LPW	В	U	G	Lumens	LPW	В	U	G	Lumens	LPW	В	U	G
15	2500	5C	2470	146.61	1	0	4	2459	145.91	1	0	1	2364	140.30	1	0	1	
		5QW	2378	141.15	1	0	1	2367	140.48	1	0	1	2276	135.07	1	0	4	
20	3000	2000	5C	3093	136.86	1	0	1	3078	136,21	1	0	1	2960	130.97	1	0	1
		5QW	2974	131.60	1	0	1	2960	130.97	1	0	1	2846	125.93	_1_	0		
35	4500	5C	4757	131.05	2	0	1	4734	130.42	2	0	1	4552	125.41	2	0	1	
		5QW	4574	126.01	2	0	1	4552	125.41	2	0	1	4377	120.58	2	0	đ	
55	6500	5C	6814	127.13	2	0	- tê	6782	126.52	2	0	1	6521	121.66	2	0	H.	
		5QW	6552	122.24	3	0	1	6521	121.66	3	0	1	6270	116.98	3	0	1	
			-			_						-						

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