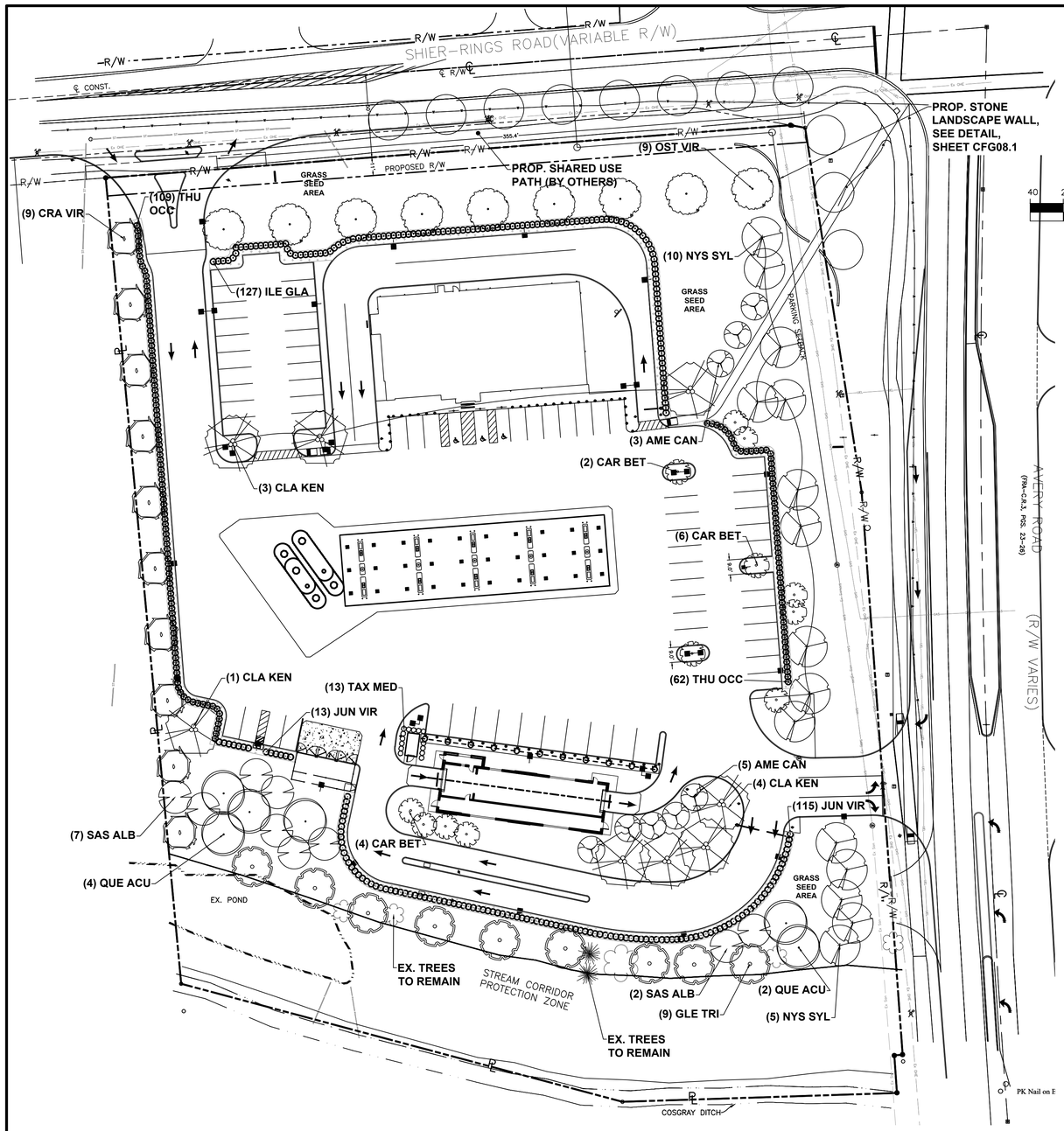

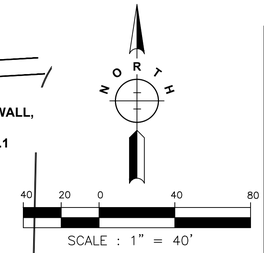

LANDSCAPE REQUIREMENTS:
CITY OF DUBLIN CODE SECTION 153

LOT COVERAGE:
PARCEL: 239,101 S.F. (5.489 AC.)
VEHICULAR USE AREA: 103,945 S.F. (43%)
BUILDING AREA: 10,948 S.F. (4.6%)

INTERIOR GREEN SPACE REQUIRED (§153.133B2):
REQUIRED: 5,198 S.F.
PROVIDED: 9,249 S.F.

PARKING LOT SCREENING AND LANDSCAPING:
PERIMETER BUFFER LANDSCAPING
LANDSCAPE MATERIALS USED TO FULFIL PERIMETER LANDSCAPING REQUIREMENTS SHALL BE INSTALLED TO PROVIDE 100 PERCENT YEAR ROUND OPACITY AT A MATURE HEIGHT OF 3.5 FEET. VUA PERIMETER TREE PLANTING SHALL BE AT THE RATE OF 1 TREE PER 40 L.F.

REQUIRED: CONTINUOUS HEDGE AND 1 TREE PER 40 L.F..

PROVIDED: CONTINUOUS HEDGE AND 1 TREE PER 40 L.F..

INTERIOR VEHICULAR USE AREA LANDSCAPING
ONE DECIDUOUS SHADE TREE PER PENINSULA ISLAND. FOR EACH 100 SQUARE FEET OF VUA, A MINIMUM OF 5 SQUARE FEET OF LANDSCAPED AREA SHALL BE PROVIDED. LANDSCAPE AREAS SHALL BE A MINIMUM OF 112 SQUARE FEET. TREES SHALL BE PLANTED AT A RATE OF ONE TREE PER EVERY 5,000 SQUARE FEET OF VUA.

LANDSCAPE AREA REQUIRED: 5,198 SQUARE FEET
TREES REQUIRED: VUA+BUILDING AREA = 114,893 = 23 SHADE TREES (2.5" CAL.)

SERVICE STRUCTURES
ALL SERVICE STRUCTURES SHALL HAVE CONTINUOUS (100% OPACITY) SCREENING.

STREET TREES
STREET TREES ARE REQUIRED ALONG ALL ROAD FRONTAGES PER 153.134. SPECIES AND SPACING TO BE DETERMINED BY CITY FORESTER.

NOTES:

ALL PLANT MATERIALS TO COMPLY WITH THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK BY AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, AND BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM INSTALLATION DATE.

CONSULT PLANT SCHEDULE FOR PLANT SIZES AND SPECIFICATIONS.

SCREENING SHRUBS TO PROVIDE 100% YEAR-ROUND OPACITY PER DUBLIN CODIFIED ORDINANCES SECTION 153.33.

CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES PRIOR TO INSTALLATION. NOTIFY ENGINEER IF FIELD CONDITIONS NECESSITATE ADJUSTMENT OF PLANT LOCATIONS.

CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON PLANS. PLANT LIST QUANTITIES ARE FOR CONVENIENCE ONLY.

PARKING LOT AND STREET TREES SHALL HAVE A CLEAR CANOPY HEIGHT OF 6' MIN.

ALL SHRUB AND GROUND COVER BEDS TO BE MULCHED WITH LANDSCAPE STONE: HUDSON VALLEY 2"-3" RIVER BED STONE, BROWN, GRAY AND TAN IN COLOR, OR EQUAL TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

CONTRACTOR SHALL PROVIDE A ONE YEAR GUARANTEE ON ALL PLANTS INSTALLED AND PROVIDE COMPLETE MAINTENANCE ON ALL WORK FROM THE DAY OF APPROVAL OF THE OWNER'S REPRESENTATIVE CONTINUING FOR A THREE MONTH DURATION AT WHICH TIME THE OWNER WILL DECLARE JOB ACCEPTANCE.

EACH PLANTING TO BE FREE FROM DISEASE, INSECT INFESTATION AND DAMAGE AND IN ALL RESPECTS BE READY FOR FIELD PLANTING.

PLANTING HOLES TO BE DUG A MINIMUM OF TWICE THE WIDTH AND EQUAL IN DEPTH TO THE SIZE OF THE ROOT BALL AND TO BE AMENDED WITH ORGANIC SOIL CONDITIONER.

BED EDGES SHALL BE SMOOTH, CONSISTENT, HAND TRENCHED 6" DEEP AND 'V' SHAPED UNLESS OTHERWISE NOTED. ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE BED EDGE AND THE PLANTING BED.

IN AREAS WHERE BEDROCK OR HEAVILY COMPACTED ROCK FILL IS ENCOUNTERED, THE PLANTING HOLES ARE TO BE DUG TO A MINIMUM OF THREE TIMES THE WIDTH AND ONE FOOT DEEPER THAN THE SIZE OF THE ROOT BALL. NOTIFY ENGINEER IF FIELD CONDITIONS WARRANT ADJUSTMENT OF PLANT LOCATIONS.

EXISTING GRASS TO BE REMOVED, IF PRESENT, AND TOPSOIL TO BE SPREAD SMOOTH AND HAND RAKED TO REMOVE ALL ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER PRIOR TO LAYING SOD OR SEEDING.

ALL CHANGES TO DESIGN OR PLANT SUBSTITUTIONS ARE TO BE AUTHORIZED BY THE ENGINEER.

TOPSOIL MIX IN PLANTING BEDS TO BE 3 PARTS SCREENED TOPSOIL AND 1 PART ORGANIC MATERIAL. TO A DEPTH OF 24"

ALL SEEDING INSTALLATION SHALL CONFORM TO ODOT SPECIFICATIONS. SEED AT 6 LBS/1000 SF WITH THE FOLLOWING SEED MIXTURE:

TITAN TALL-TYPE TURF FESCUE	70%
SR 4100 PERENNIAL RYEGRASS	20%
MERIT KENTUCKY BLUEGRASS	10%

IRRIGATION TO BE PROVIDED IN ALL STONE MULCH BEDS.

LEGEND

AMELANCHIER, CARPINUS, CLADASTRUS, CRATAEGUS, GLEDITSIA, NYSSA, OSTRYA, QUERCUS, SASSAFRASS, MULCH, ILEX, JUNIPERUS, TAXUS, THUJA

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	CONDITION	REMARKS
	TREES					
AME CAN	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	8	6-7'	B&B	
CAR BET	CARPINUS BETULUS 'FRANS FONTAINE'	COLUMNAR HORNBEAM	12	2.5" CAL.	B&B	
CLA KEN	CLADRASTIS KENTUKEA	YELLOWWOOD	8	2.5" CAL.	B&B	
CRA VIR	CRATAEGUS VIRIDIS 'WINTER KING'	WINTER KING HAWTHORN	9	2.5" CAL.	B&B	
GLE TRI	GLEDITSIA TRAICANTHOS	HONEY LOCUST	9	2.5" CAL.	B&B	
NYS SYL	NYSSA SYLVATICA	BLACK TUPELO	15	2.5" CAL.	B&B	UNEVEN SPACING DUE TO EX. UTILITIES
OST VIR	OSTRYA VIRGINIANA	HOP HORNBEAM	9	2.5" CAL.	B&B	
QUE ACU	QUERCUS ACUTISSIMA	SAWTOOTH OAK	6	3" CAL.	B&B	
SAS ALB	SASSAFRASS ALBIDUM	SASSAFRASS	9	2.5" CAL.	B&B	
	SHRUBS					
ILE GLA	ILEX GLABRA	INKBERRY	127	#5 CONT.		
JUN VIR	JUNIPERUS VIRGINIANA 'GREY OWL;	GREY OWL JUNIPER	128	#3 CONT.		
TAX MED	TAXUS X MEDIA 'DENSIFORMIS'	DENSIFORMIS YEW	13	#3 CONT.		
THU OCC	THUJA OCCIDENTALIS 'HETZ MIDGET'	HETZ MIDGET ARBORVITAE	171	#5 CONT.		

PRIME AE
8415 PULSAR PLACE | SUITE 300
COLUMBUS, OH 43240
P 614-839-0250 | F 614 839 0251

DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
LANDSCAPE PLAN

NO.	REVISIONS	DATE

DRAWN BY: RAK
CHECKED BY: TER
SCALE: 1"=40'
DATE: 11-23-2020
SHEET NO. **CFG08.0**

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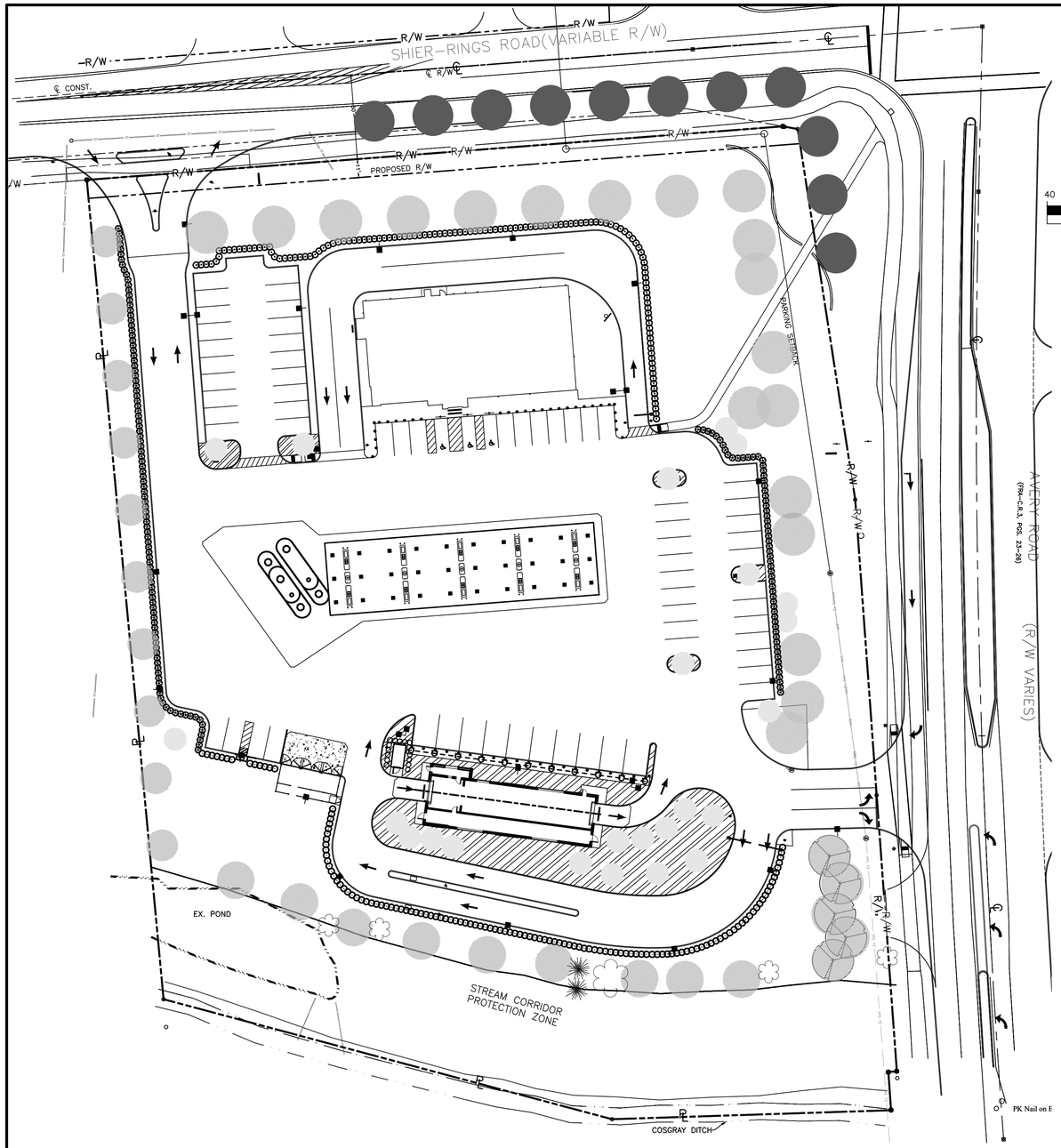
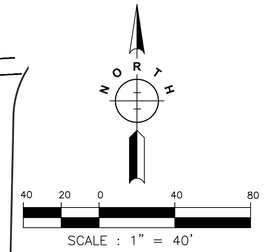
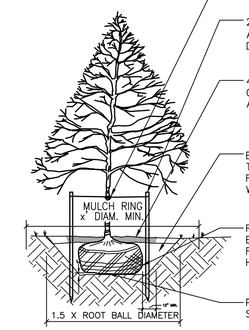




KEY

- VUA REQUIREMENT
- PERIMETER REQUIREMENT
- STREET TREES
- GREEN SPACE REQUIREMENT



REMOVE ALL TAGS.

PRUNE BROKEN OR DEAD BRANCHES.

FASTEN WITH 1/2" RUBBER HOSE AND WIRE OR APPROVED MATERIAL.

2"X2"X6' HARDWOOD STAKES OR APPROVED MATERIAL MIN. 24" DEPTH DRIVEN OUTSIDE EDGE OF ROOT BALL.

4" HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL. PROVIDE STONE MULCH AS PER SPECIFICATIONS.

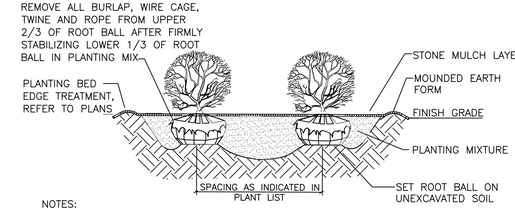
BACKFILL WITH TOPSOIL/FERTILIZER MIXTURE. TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE. FLOOD WITH WATER TWICE DURING FIRST 24 HOURS.

REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP HALF OF ROOT BALL. FOLD DOWN WIRE BASKET INTO PLANTING HOLE.

PLACE ROOT BALL ON UNDISTURBED SUBGRADE.

TREE PLANTING DETAIL

SCALE: NOT TO SCALE



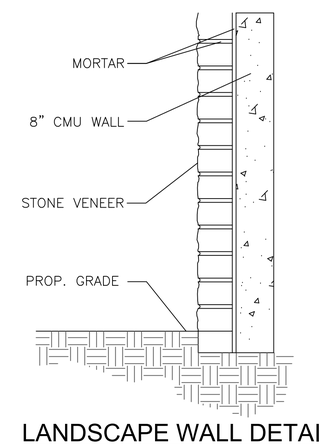
NOTES:

ALL SHRUBS PLANTED IN ROWS OR MASSES SHALL BE MATCHED IN SIZE AND FORM.

SHRUBS SHALL BEAR SAME RELATION TO FINISH GRADE AS THEY BORE TO EXISTING GRADE IN THE PREVIOUSLY PLANTED CONDITION.

MASS SHRUB PLANTING DETAIL

NO SCALE



LANDSCAPE WALL DETAIL

NO SCALE

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8415 PULSAR PLACE | SUITE 300
COLUMBUS, OH 43240
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DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
LANDSCAPE DETAILS

NO.	REVISIONS	DATE

DRAWN BY:	CHECKED BY:
RAK	TER

SCALE: 1"=40'

DATE: 11-23-2020

SHEET NO. **CFG08.1**

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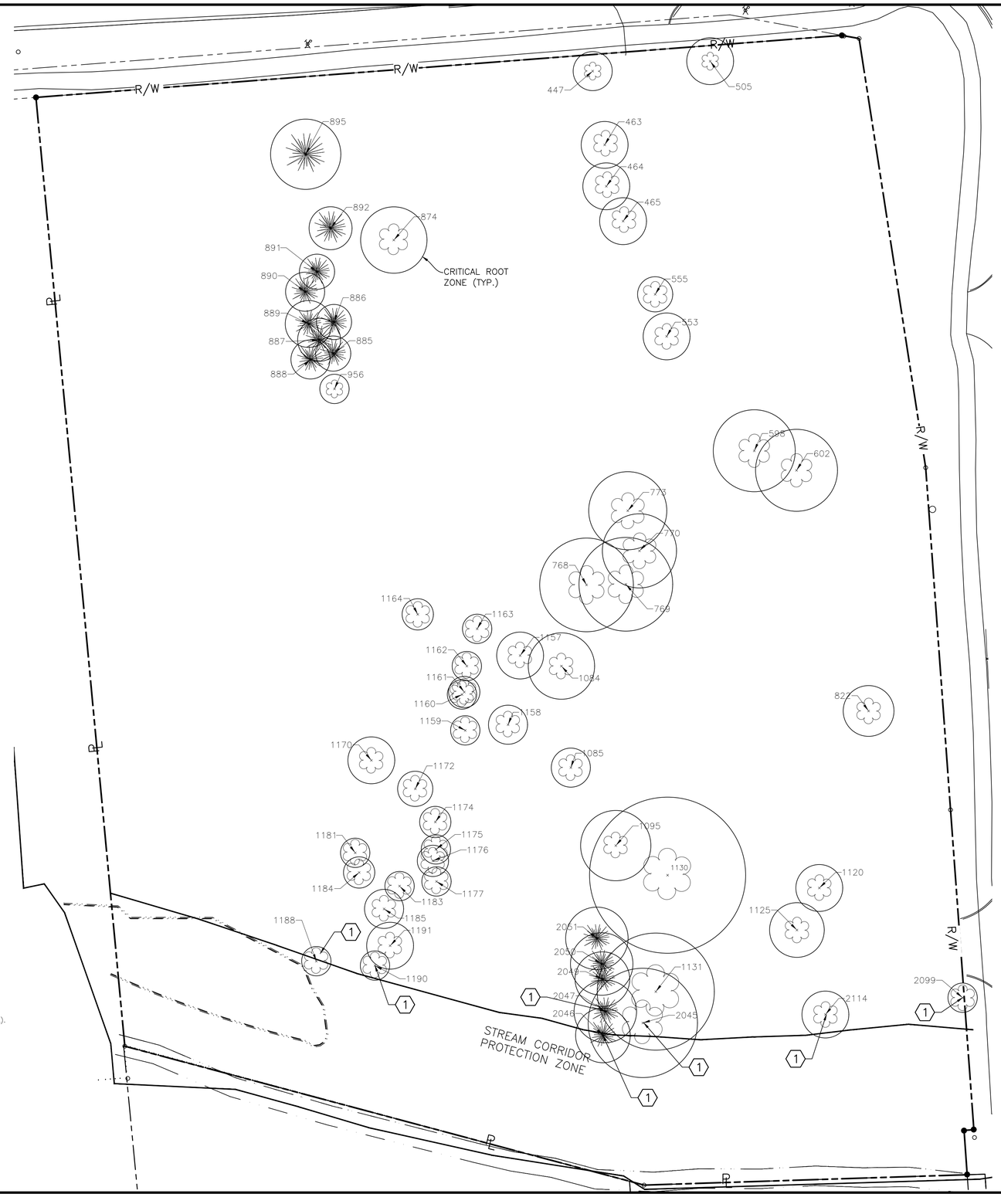
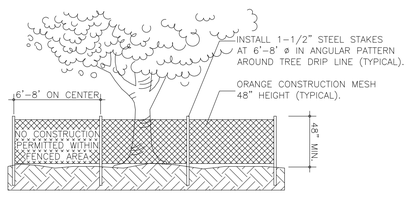
TREE PRESERVATION GENERAL NOTES:

1. THE OWNER SHALL BE RESPONSIBLE FOR THE CONSTRUCTION, ERECTION AND MAINTENANCE OF TEMPORARY FENCING AROUND TREE PRESERVATION AREAS SO THAT ALL PROTECTED TREES SHALL BE PRESERVED. THE FENCING SHALL BE LOCATED A DISTANCE FROM THE TRUNK THAT EQUALS AT A MINIMUM, THE DISTANCE OF CRITICAL ROOT ZONE OR 15 FEET, WHICHEVER IS GREATER. WHERE PHYSICAL SITE CONSTRAINTS DO NOT ALLOW FOR SUCH INSTALLATION, TREE PROTECTION LOCATIONS AND METHODS SHALL BE DETERMINED ON SITE WITH THE CONSULTATION OF THE CITY OF DUBLIN LANDSCAPE INSPECTOR. CALL 614-410-4600 FOR TREE FENCING INSPECTION.
2. FENCING SHALL REMAIN IN PLACE AND BE SECURED IN AN UPRIGHT POSITION DURING THE ENTIRE CONSTRUCTION PERIOD TO PREVENT THE IMPINGEMENT OF CONSTRUCTION VEHICLES, MATERIALS, SPOILS AND EQUIPMENT INTO OR UPON THE TREE PRESERVATION AREA.
3. TREE PRESERVATION SIGNS, AVAILABLE FROM THE DIVISION OF LAND USE AND LONG RANGE PLANNING, MUST BE LOCATED ALONG THE FENCING. ANY CHANGE IN PROTECTIVE FENCING MUST BE APPROVED BY THE DIRECTOR OF LAND USE AND LONG RANGE PLANNING.
4. THE APPROVED TREE PRESERVATION PLAN SHALL BE AVAILABLE ON THE BUILDING SITE BEFORE WORK COMMENCES AND AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT. THE OWNER SHALL BE RESPONSIBLE FOR NOTIFYING ALL CONTRACTORS AND UTILITIES.
5. DURING ALL PHASES OF CONSTRUCTION, ALL STEPS TO PREVENT THE DESTRUCTION OR DAMAGE TO PROTECTED TREES SHALL BE TAKEN. NO CONSTRUCTION ACTIVITY, MOVEMENT AND/OR PLACEMENT OF EQUIPMENT, VEHICLES, MATERIALS OR SPOILS STORAGE SHALL BE PERMITTED WITHIN THE TREE PRESERVATION AREA. NO EXCESS SOIL, ADDITIONAL FILL LIQUIDS OR CONSTRUCTION DEBRIS SHALL BE PLACED WITHIN THE CRITICAL ROOT ZONE OF ALL TREES THAT ARE TO BE PRESERVED.
6. NO ATTACHMENTS, INCLUDING BUT NOT LIMITED TO ROPES, NAILS, ADVERTISING POSTERS, SIGNS, FENCES OR WIRES (OTHER THAN THOSE USED FOR BRACING, GUYING OR WRAPPING) SHALL BE ATTACHED TO ANY TREE.
7. NO GASEOUS LIQUIDS OR SOLID SUBSTANCES WHICH ARE HARMFUL TO TREES SHALL BE PERMITTED WITHIN THE TREE PRESERVATION AREA.
8. NO FIRE OR HEAT SHALL BE PERMITTED WITHIN THE TREE PRESERVATION AREA.
9. ALL UTILITIES, INCLUDING SERVICE LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE TREE PRESERVATION PLAN.





TREE PROTECTION DETAIL

TO BE USED ON ALL EXISTING TREES
NO SCALE

NUMBER	BOTANICAL NAME	COMMON NAME	DBH	CONDITION
447	CRATAEGUS CRUS-GALLI	COCKSPUR HAWTHORN	10"	FAIR
463	GLEDITSIA TRIACANTHOS	HONEY LOCUST	12"	FAIR
464	GLEDITSIA TRIACANTHOS	HONEY LOCUST	12"	FAIR
465	GLEDITSIA TRIACANTHOS	HONEY LOCUST	12"	FAIR
476	GLEDITSIA TRIACANTHOS	HONEY LOCUST	12"	FAIR
505	CRATAEGUS CRUS-GALLI	COCKSPUR HAWTHORN	12"	POOR
553	GLEDITSIA TRIACANTHOS	HONEY LOCUST	12"	GOOD
555	GLEDITSIA TRIACANTHOS	HONEY LOCUST	9"	FAIR
598	GLEDITSIA TRIACANTHOS	HONEY LOCUST	21"	GOOD
602	GLEDITSIA TRIACANTHOS	HONEY LOCUST	21"	GOOD
768	TAXODIUM DISTICHUM	BALD CYPRESS	24"	GOOD
769	TAXODIUM DISTICHUM	BALD CYPRESS	24"	FAIR
770	TAXODIUM DISTICHUM	BALD CYPRESS	19"	GOOD
773	BETULA NIGRA	RIVER BIRCH	20"	FAIR
822	MALUS	CRABAPPLE	13"	POOR
874	QUERCUS PALUSTRIS	PIN OAK	17"	POOR
885	PINUS SYLVESTRIS	SCOTS PINE	9"	POOR
886	PINUS SYLVESTRIS	SCOTS PINE	9"	POOR
887	PINUS RESINOSA	RED PINE	11"	POOR
888	PINUS RESINOSA	RED PINE	10"	POOR
889	PINUS RESINOSA	RED PINE	12"	POOR
890	PINUS RESINOSA	RED PINE	9"	POOR
891	PINUS SYLVESTRIS	SCOTS PINE	9"	POOR
892	PINUS SYLVESTRIS	SCOTS PINE	11"	POOR
895	PINUS RESINOSA	RED PINE	18"	FAIR
956	POPULUS	COTTONWOOD	7"	FAIR
1084	BETULA NIGRA	RIVER BIRCH	17"	GOOD
1095	ACER SACCHARINUM	SILVER MAPLE	18"	POOR
1120	GLEDITSIA TRIACANTHOS	HONEY LOCUST	12"	GOOD
1125	GLEDITSIA TRIACANTHOS	HONEY LOCUST	14"	GOOD
1130	ACER RUBRUM	RED MAPLE	40"	FAIR
1131	ACER SACCHARINUM	SILVER MAPLE	30"	FAIR
1157	RUBINA PSEUDOACACIA	BLACK LOCUST	12"	FAIR
1158	RUBINA PSEUDOACACIA	BLACK LOCUST	10"	FAIR
1159	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1160	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	GOOD
1161	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	GOOD
1162	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1163	RUBINA PSEUDOACACIA	BLACK LOCUST	6"	FAIR
1164	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	FAIR
1170	RUBINA PSEUDOACACIA	BLACK LOCUST	12"	FAIR
1172	RUBINA PSEUDOACACIA	BLACK LOCUST	9"	GOOD
1174	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	FAIR
1175	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	GOOD
1176	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	GPPD
1177	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1181	RUBINA PSEUDOACACIA	BLACK LOCUST	6"	FAIR
1183	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1184	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	FAIR
1185	RUBINA PSEUDOACACIA	BLACK LOCUST	10"	GOOD
1188	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	GOOD
1190	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1191	RUBINA PSEUDOACACIA	BLACK LOCUST	12"	GOOD
2045	ACER SACCHARINUM	SILVER MAPLE	28"	FAIR
2046	PICEA ABIES	NORWAY SPRUCE	14"	FAIR
2047	PICEA ABIES	NORWAY SPRUCE	16"	FAIR
2049	PICEA ABIES	NORWAY SPRUCE	14"	GOOD
2050	PICEA ABIES	NORWAY SPRUCE	16"	GOOD
2051	PICEA ABIES	NORWAY SPRUCE	16"	GOOD
2099	GLEDITSIA TRIACANTHOS	HONEY LOCUST	6"	FAIR
2114	GLEDITSIA TRIACANTHOS	HONEY LOCUST	12"	GOOD

NOTE:

ALL EXISTING TREES TO BE REMOVED, EXCEPT AS NOTED.

KEY NOTES:

(1) EXISTING TREE TO BE PROTECTED, SEE DETAIL THIS SHEET.

PRIME AE
8415 PULSAR PLACE | SUITE 300
COLUMBUS, OH 43240
P 614-839-0250 | F 614 839 0251

DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
TREE PRESERVATION PLAN

NO.	REVISIONS	DATE

DRAWN BY: RAK
CHECKED BY: TER
SCALE: 1"=30'
DATE: 11-10-2020
SHEET NO. **CFG08.2**

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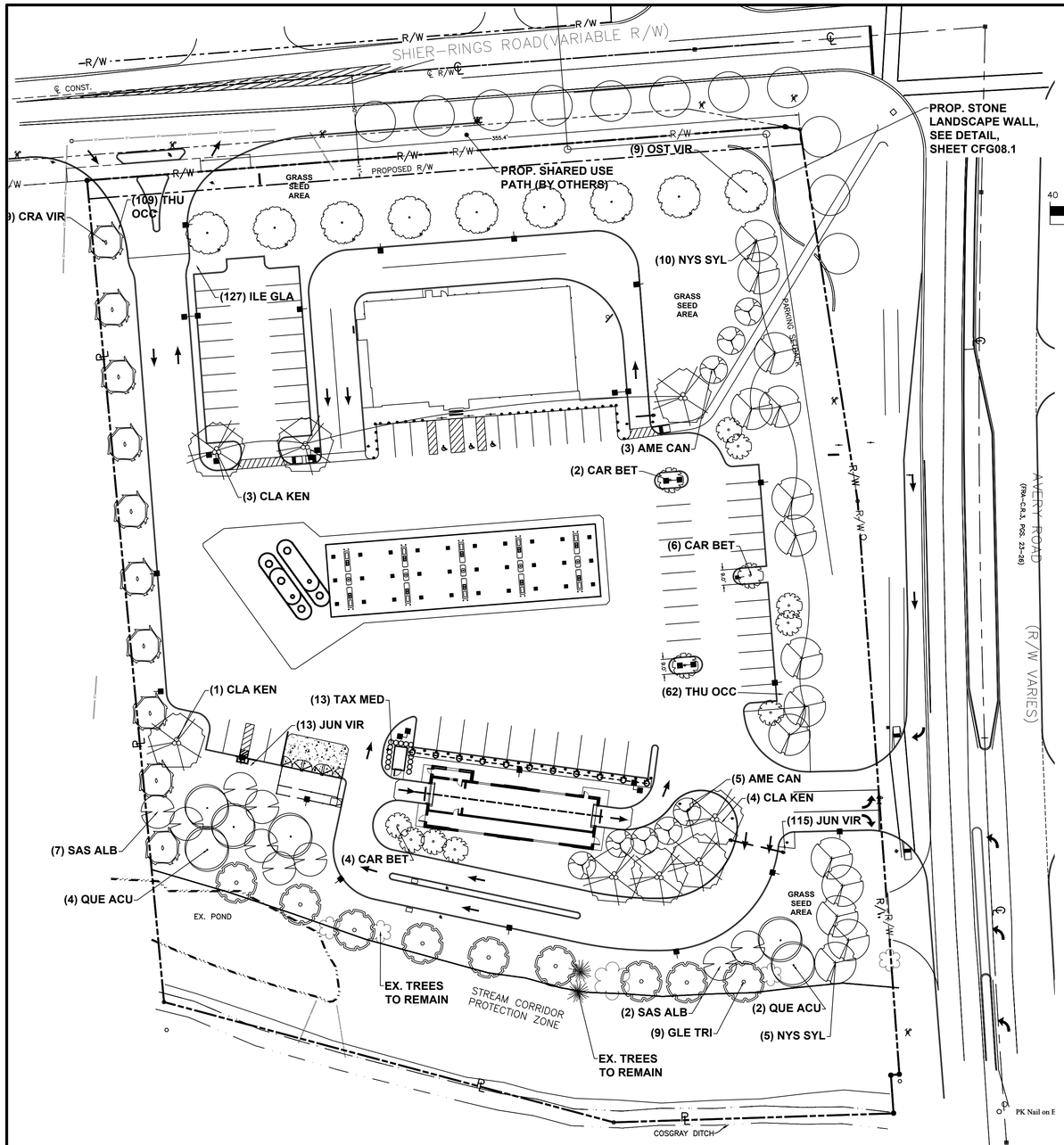

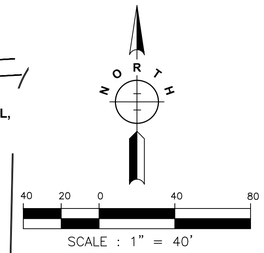

TREE PRESERVATION, REMOVAL AND REPLACEMENT NOTES:

1. COORDINATE ANY STREET TREE REMOVAL FOR ACCESS DRIVE WITH CITY FORESTER, AT 614-410-4701.

2. ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED. ALL TREE REMOVAL, RELOCATION AND PRESERVATION WORK SHALL BE SUPERVISED WITH THE INPUT OF A CERTIFIED ARBORIST.

3. FENCING SHALL BE INSTALLED AROUND ALL TREES TO BE PRESERVED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY CHANGE IN THE PROTECTIVE FENCING MUST BE APPROVED BY THE LANDSCAPE INSPECTOR. OWNER SHALL BE RESPONSIBLE FOR THE CONSTRUCTION, ERECTION AND MAINTENANCE OF PROTECTION FENCING, REFER TO TREE PRESERVATION DETAIL.

4. PRESERVED TREES REMAINING ARE TO BE FERTILIZED AND PRUNED (IF NEEDED) TWO YEARS AFTER CONSTRUCTION.

5. OWNER SHALL MONITOR HEALTH AND VIGOR OF EXISTING TREES THROUGHOUT THE COURSE OF CONSTRUCTION OF THIS PROJECT. CONTRACTOR TO NOTIFY A CERTIFIED ARBORIST IF ANY DECLINE IN HEALTHY TREES IS APPARENT. THE ARBORIST SHALL DETERMINE THE REMEDIAL ACTION, IF ANY, TO BE TAKEN.

6. ALL EXISTING TREES NOTED AS FAIR TO POOR HEALTH SHALL BE FERTILIZED YEARLY IN THE SPRING USING A HORTICULTURALLY APPROVED METHOD FOR A PERIOD OF THREE YEARS. AFTER THREE YEARS, THE HEALTH SHALL BE EVALUATED BY A CERTIFIED ARBORIST AND CONTINUING MAINTENANCE RECOMMENDATIONS SHALL BE MADE.

7. ANY TREES REMOVED OR DAMAGED IN TREE PRESERVATION AREAS SHALL BE REPLACED PER CODE.

8. FAILURE TO ABIDE BY THE TERMS OF THE TREE PRESERVATION, REMOVAL AND REPLACEMENT PLANS SHALL BE UNLAWFUL.

TREE REPLACEMENT DATA:

CALIPER INCHES OF TREES (NOT POOR) REMOVED: 551

CALIPER INCHES OF TREES PROPOSED: 221.5

TOTAL REMAINING CALIPER INCHES:* 329.5

* REMAINING CALIPER INCHES TO BE COVERED BY FEE IN LIEU OF REPLACEMENT.

GOOD/FAIR TREES TO BE REPLACED:

NUMBER	BOTANICAL NAME	COMMON NAME	DBH	CONDITION
447	CRATAEGUS CRUS-GALLI	COCKSPUR HAWTHORN	10"	FAIR
463	GLEDITSIA TRIACANTHOS	HONEY LOCUST	12"	FAIR
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956	POPULUS	COTTONWOOD	7"	FAIR
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1125	GLEDITSIA TRIACANTHOS	HONEY LOCUST	14"	GOOD
1130	ACER RUBRUM	RED MAPLE	40"	FAIR
1131	ACER SACCHARINUM	SILVER MAPLE	30"	FAIR
1157	RUBINA PSEUDOACACIA	BLACK LOCUST	12"	FAIR
1158	RUBINA PSEUDOACACIA	BLACK LOCUST	10"	FAIR
1159	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1160	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	GOOD
1161	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	GOOD
1162	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1163	RUBINA PSEUDOACACIA	BLACK LOCUST	6"	FAIR
1164	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	FAIR
1170	RUBINA PSEUDOACACIA	BLACK LOCUST	12"	FAIR
1172	RUBINA PSEUDOACACIA	BLACK LOCUST	9"	GOOD
1174	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	FAIR
1175	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	GOOD
1176	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	GOOD
1177	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1181	RUBINA PSEUDOACACIA	BLACK LOCUST	6"	FAIR
1183	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
1184	RUBINA PSEUDOACACIA	BLACK LOCUST	8"	FAIR
1185	RUBINA PSEUDOACACIA	BLACK LOCUST	10"	GOOD
1190	RUBINA PSEUDOACACIA	BLACK LOCUST	7"	FAIR
2049	PICEA ABIES	NORWAY SPRUCE	14"	GOOD
2050	PICEA ABIES	NORWAY SPRUCE	16"	GOOD
2051	PICEA ABIES	NORWAY SPRUCE	16"	GOOD

REPLACEMENT TREES:

BOTANICAL NAME	QTY.	SIZE	CAL. TOTAL
TREES			
AMELANCHIER CANADENSIS	8	6-7'	20"
CARPINUS BETULUS 'FRANS FONTAINE'	12	2.5" CAL.	30"
CLADRASTIS KENTUKEA	8	2.5" CAL.	20"
CRATAEGUS VIRIDIS 'WINTER KING'	9	2.5" CAL.	22.5"
GLEDITSIA TRAICANTHOS	9	2.5" CAL.	22.5"
NYSSA SYLVATICA	15	2.5" CAL.	37.5"
OSTRYA VIRGINIANA	9	2.5" CAL.	22.5"
QUERCUS ACUTISSIMA	4	3" CAL.	12"
SASSAFRASS ALBIDUM	5	2.5" CAL.	12.5"

PRIME AE
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COLUMBUS, OH 43240
P 614-839-0250 | F 614 839 0251

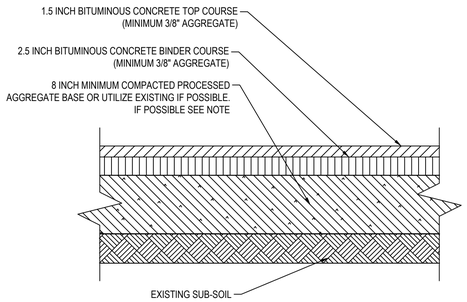
DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
TREE REPLACEMENT PLAN

NO.	REVISIONS	DATE

DRAWN BY: RAK
CHECKED BY: TER
SCALE: 1"=40'
DATE: 11-23-2020
SHEET NO. **CFG08.3**

P:\2019\EOH01ES-19521-Turkey Hill Avery Shire Rings Rd\500-CAD\590-Other\Civil\593-Print Sheets\CFG08a Landscape Plan.dwg by: rkoenig on 11/24/2020 1:58 PM ~ for PRIME AE

NOTE:
FINAL CONCRETE AND PAVING DESIGNS SHALL BE SPECIFIED IN GEOTECHINCAL REPORT TO BE PROVIDED BY CUMBERLAND FARMS. IN ABSENCE OF A GEOTECHNICAL REPORT, CUMBERLAND FARMS SHALL APPROVE FINAL PAVEMENT AND MATERIALS SPECIFICATION, PRIOR TO CONSTRUCTION.



NOTES:
1. THE SOIL MUST HAVE A MOISTURE CONTENT DRY OF OPTIMUM AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D1557.

2. THE SOIL CAN BE COMPACTED TO 98% OF THE MAXIMUM STANDARD PROCTOR DENSITY AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D698.

3. THE SOIL SHALL NOT BE USED IF THE MATERIAL CONTAINS ORGANIC MATTER, RUBBLE, DEBRIS OR ANY OTHER DELETERIOUS MATERIAL.

TYPICAL PAVEMENT SECTION

N.T.S.

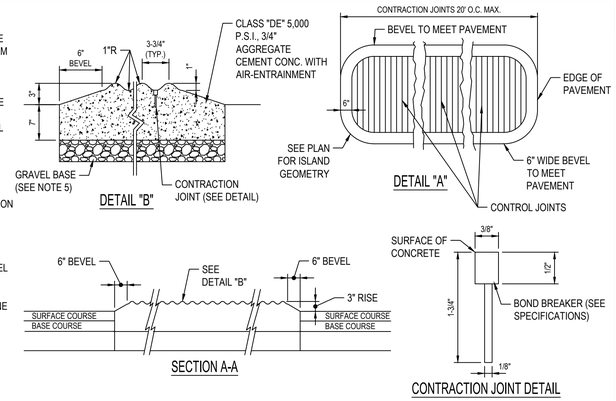
NOTES:

1. CONTRACTION JOINTS ARE TO BE SPACED AT A MAXIMUM OF 20 FEET APART.

2. THE JOINTS ARE TO BE SAWED AND LOCATED IN THE DEPRESSIONS OF THE CORRUGATIONS (SEE DETAIL OF CORRUGATIONS)

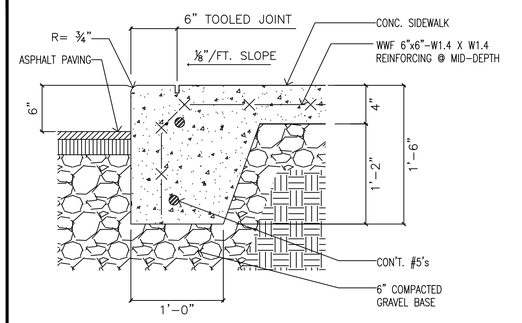
3. END OF CORRUGATED RIDGES TO BE BEVELED.
4. FOR DESCRIPTION OF MATERIAL AND CONSTRUCTION METHODS SEE CONNDOT STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

5. THE DEPTH OF THE GRAVEL IS TO BE SUCH THAT ITS BOTTOM LINE MEETS THE BOTTOM OF THE GRAVEL LINE OF THE CONTIGUOUS PAVEMENT.



SCORED CONCRETE ISLAND

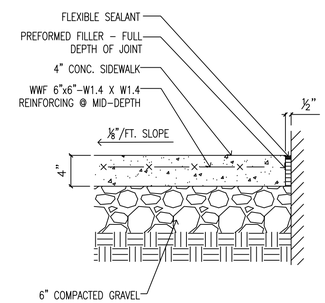
N.T.S.



NOTE:
- BROOM FINISH WITH TWO COATS SEALING/CURING COMPOUND.

DETAIL @ SIDEWALK & CURB

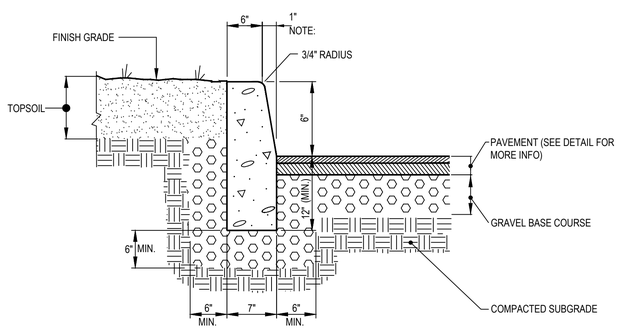
N.T.S.



NOTE:
- BROOM FINISH WITH TWO COATS SEALING/CURING COMPOUND.

DETAIL @ SIDEWALK / BLD. WALL

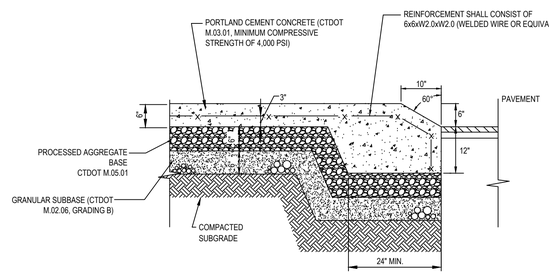
N.T.S.



-CURB SHALL CONSIST OF 4,000 PSI AIR ENTRAINED CONCRETE, EXPOSED EDGES TO HAVE RUBBED FINISH AND SURFACE SHALL BE TREATED WITH A CONCRETE PENETRANT / SEALER.
-THE ENDS OF CURB SECTIONS SHALL BE CHAMFERED 3/4 INCH.
-THE CORNERS OF CURB SECTIONS SHALL MATCH THE ADJACENT CURB IN SIZE, COLOR AND FINISH.
-CURB, CURB CORNERS OR EDGING SHALL BE FITTED TOGETHER AS CLOSELY AS POSSIBLE.
-EXPANSION JOINTS SHALL BE INSTALLED AT A MAXIMUM OF TWENTY FEET (20') ON CENTER USING PREFORMED EXPANSION JOINT FILLER HAVING A THICKNESS OF 1/2 INCH.

CONCRETE CURB DETAIL

N.T.S.



NOTES:

1. SIZE OF PAD TO BE AS INDICATED ON PLANS.

2. CONSTRUCTION JOINTS SHALL BE SPACED NO MORE THAN 10-12 FEET ON CENTER AND SHALL BE EQUALLY SPACED OVER THE LENGTH AND WIDTH OF THE PAD.

3. DOWELS SHALL BE PLACES ACROSS SLAB EXPANSION JOINTS TO LIMIT DIFFERENTIAL SETTLEMENT

4. COMPONENTS SHALL MEET THE CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT) STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCITON FORM 816

5. FINAL CONCRETE AND PAVING DESIGNS SHALL BE SPECIFIED IN GEOTECHINCAL REPORT TO BE PROVIDED BY CUMBERLAND FARMS. IN ABSENCE OF A GEOTECHNICAL REPORT, CUMBERLAND FARMS SHALL APPROVE FINAL PAVEMENT AND MATERIALS SPECIFICATION, PRIOR TO CONSTRUCTION.

MOUNTABLE CONCRETE ISLAND DETAIL

N.T.S.

PRIME AE
8415 PULSAR PLACE | SUITE 300
COLUMBUS, OH 43240
P 614-839-0250 | F 614 839 0251

DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
MISCELLANEOUS DETAILS

NO.	REVISIONS	DATE

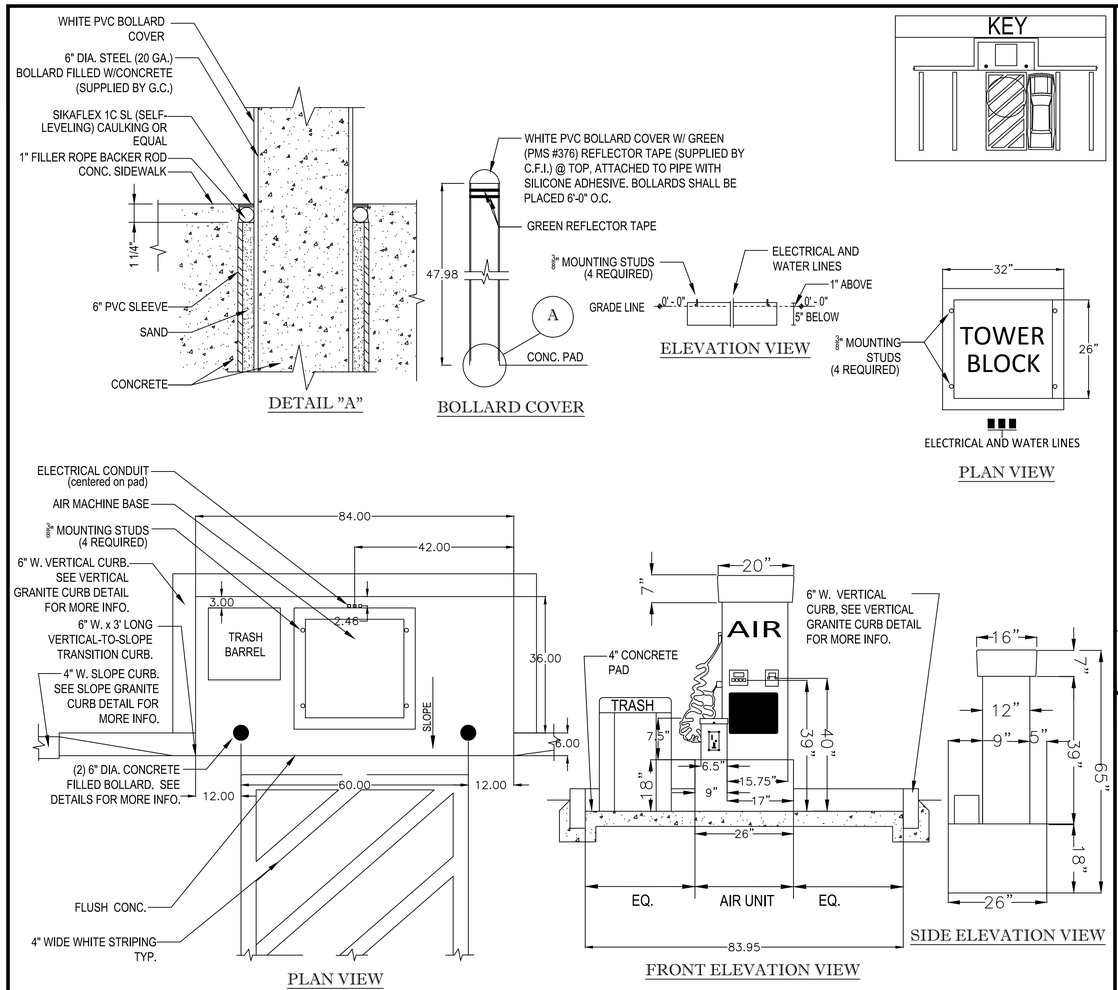
DRAWN BY:	CHECKED BY:
RAK	TER

SCALE: N/A

DATE: 11-10-2020

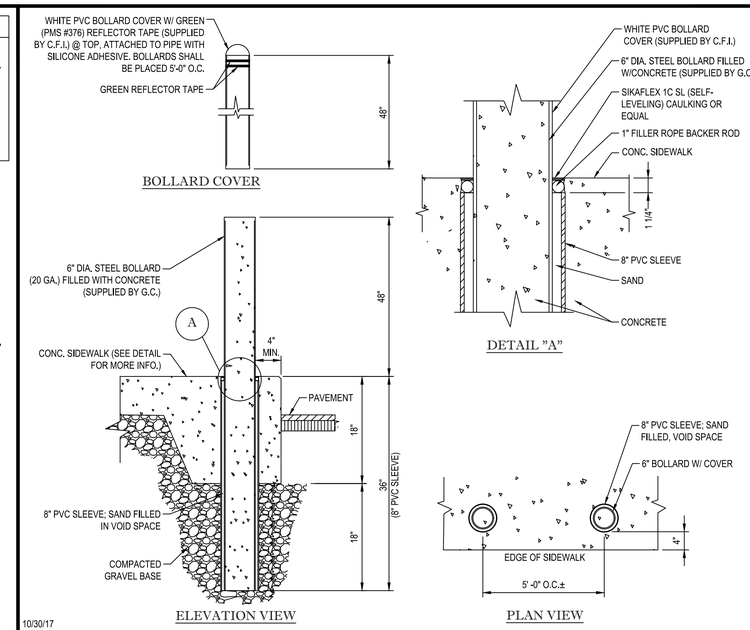
SHEET NO. CFG09.0

P:\2019\E0H01ES-19521-Turkey Hill Avery Shire Rings Rd\500-CAD\590-Other\Civil\593-Print Sheets\CFG09 Construction Details.dwg by: rkoenig on 11/10/2020 2:26 PM ~ for PRIME AE



CSC AIR MACHINE DETAIL

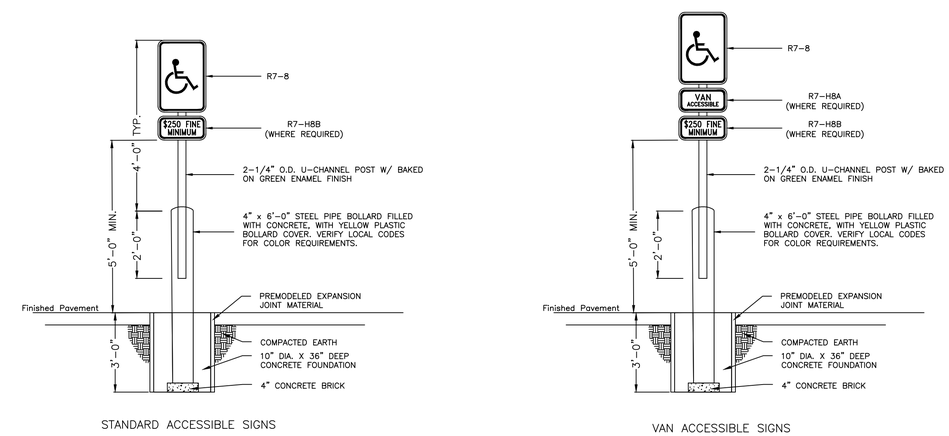
N.T.S.



10/30/17

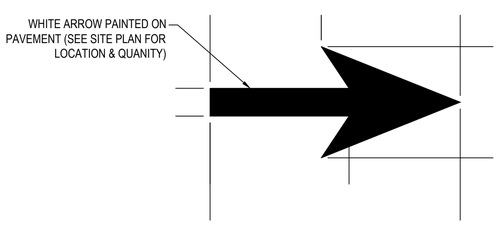
BOLLARD SET IN CONCRETE WALK

N.T.S.



ACCESSIBLE SIGN DETAIL

NOT TO SCALE



NOTE:

ALL PAVEMENT STRIPING AND MARKINGS SHALL CONSIST OF CHLORINATED RUBBER PAINT APPLIED TO A DRY SURFACE WHEN THE TEMPERATURE IS GREATER THAN 40°F. PAINT SHALL BE APPLIED AT A MINIMUM OF 0.015" (15 MIL) FILM THICKNESS

TYPICAL PAINTED ARROW

N.T.S.

PRIME AE
8415 PULSAR PLACE | SUITE 300
COLUMBUS, OH 43240
P 614-839-0250 | F 614 839 0251

DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
MISCELLANEOUS DETAILS

NO.	REVISIONS	DATE

DRAWN BY:	CHECKED BY:
RAK	TER

SCALE: N/A

DATE: 11-10-2020

SHEET NO. CFG09.1

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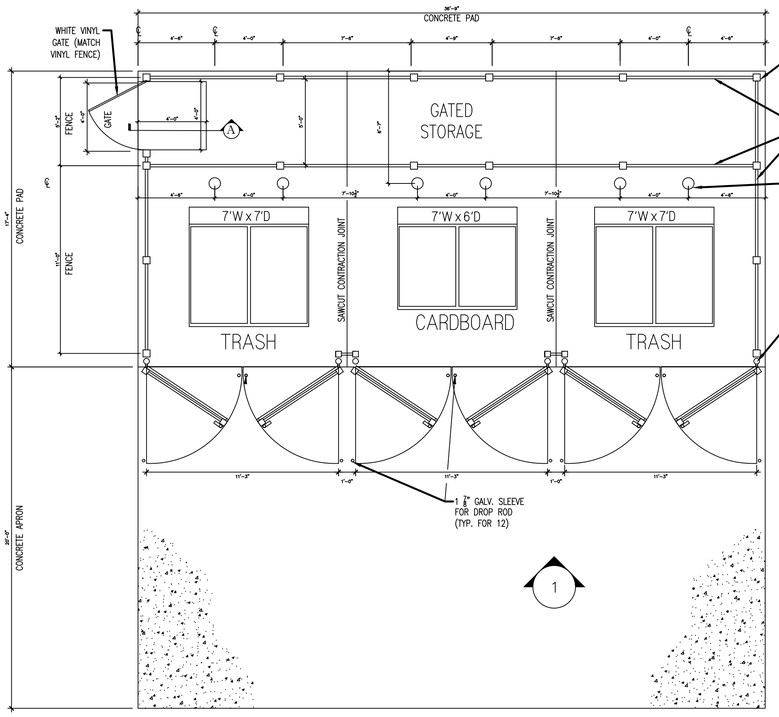
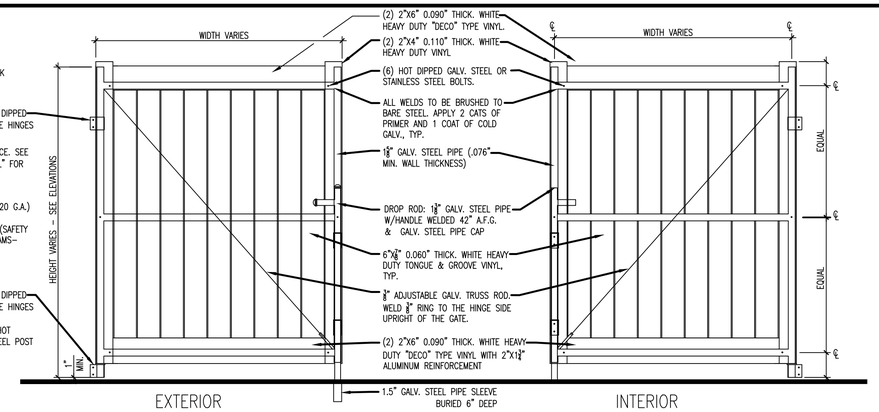
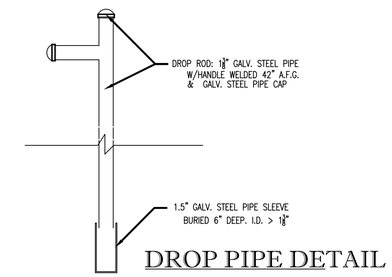


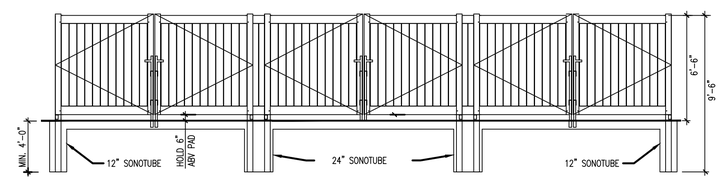
PLAN VIEW



DUMPSTER ENCLOSURE - GATE ELEVATION DETAILS



DROP PIPE DETAIL



ELEVATION

NOTE:
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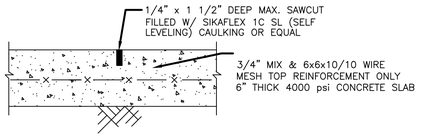
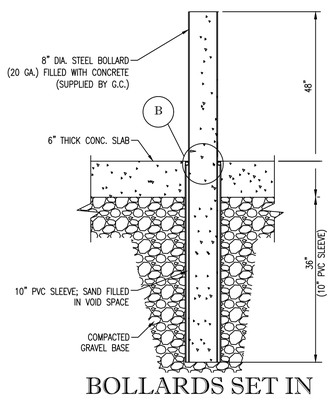
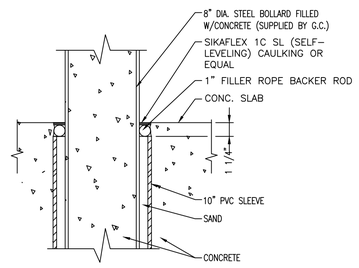


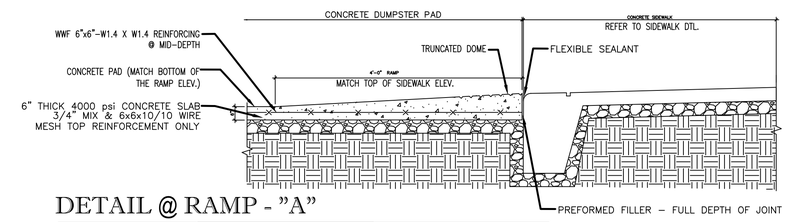
SLAB SECTION



BOLLARDS SET IN CONCRETE



DETAIL "B"



DETAIL @ RAMP - "A"

NOTE:
RAMP IS ONLY REQUIRED WHEN THERE IS A DIFFERENCE IN ELEVATION BETWEEN THE SIDEWALK AND DUMPSTER PAD.

DUMPSTER ENCLOSURE - 36'-9"

N.T.S.

PRIME AE
8415 PULSAR PLACE | SUITE 300
COLUMBUS, OH 43240
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DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
MISCELLANEOUS DETAILS

NO.	REVISIONS	DATE

DRAWN BY: RAK
CHECKED BY: TER
SCALE: N/A
DATE: 11-10-2020
SHEET NO. CFG09.2

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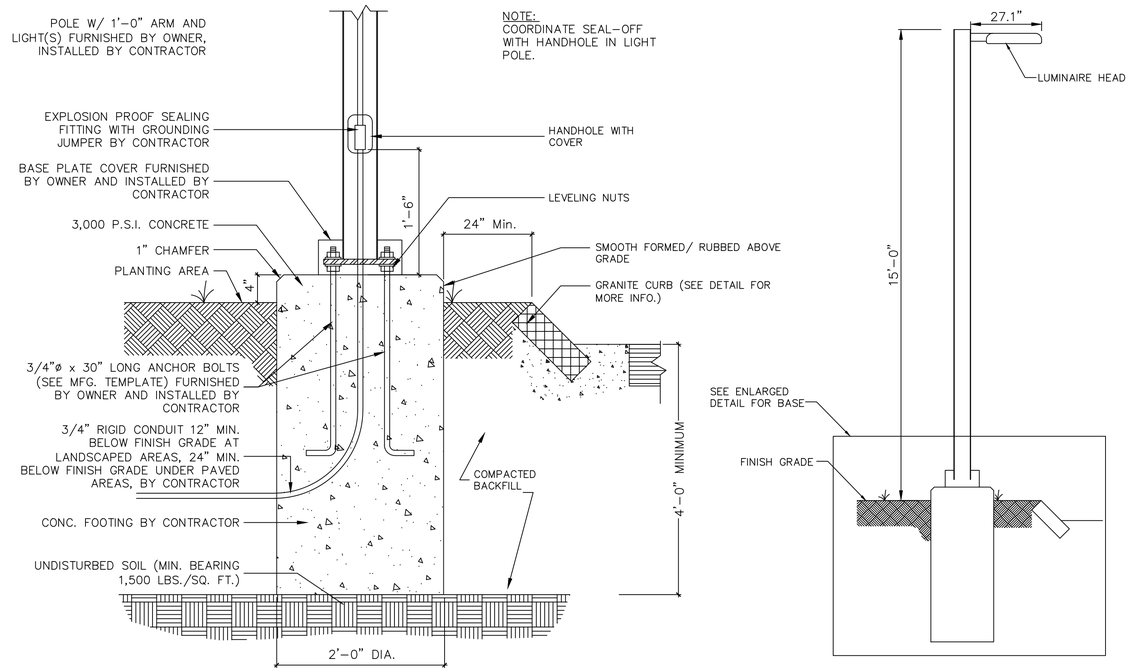
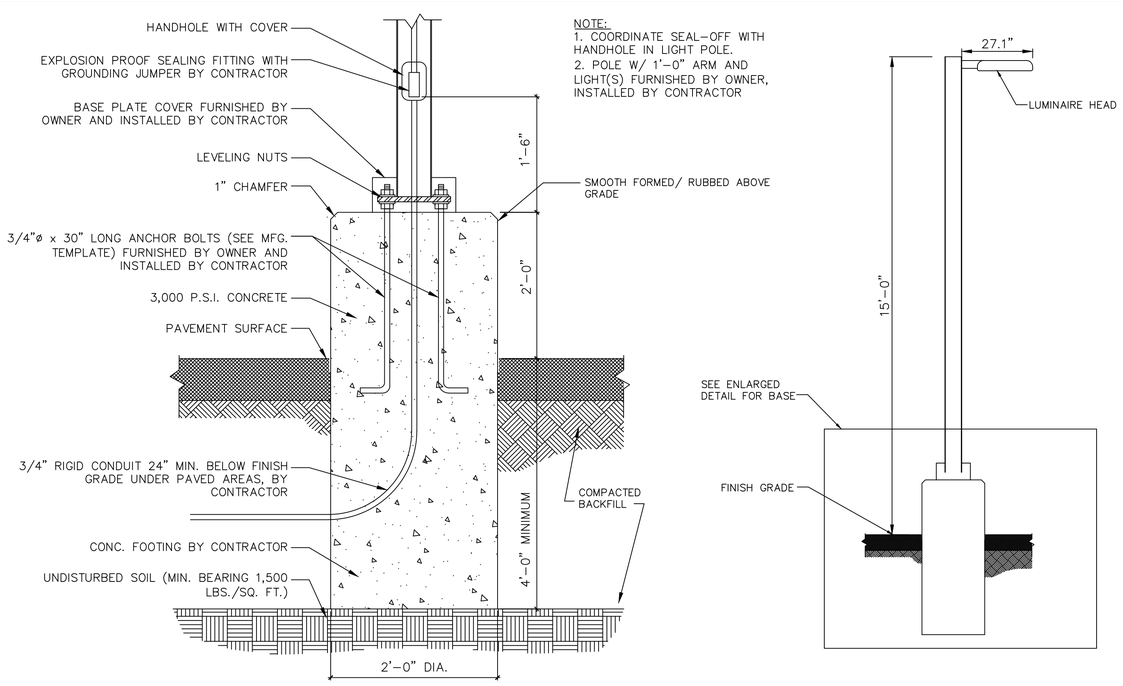


LIGHT POLE DETAIL AT LANDSCAPED AREAS

N.T.S.



LIGHT POLE DETAIL AT PAVED AREAS

N.T.S.

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8415 PULSAR PLACE | SUITE 300
COLUMBUS, OH 43240
P 614-839-0250 | F 614 839 0251

DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
MISCELLANEOUS DETAILS

NO.	REVISIONS	DATE

DRAWN BY:	CHECKED BY:
RAK	TER

SCALE: N/A

DATE: 11-10-2020

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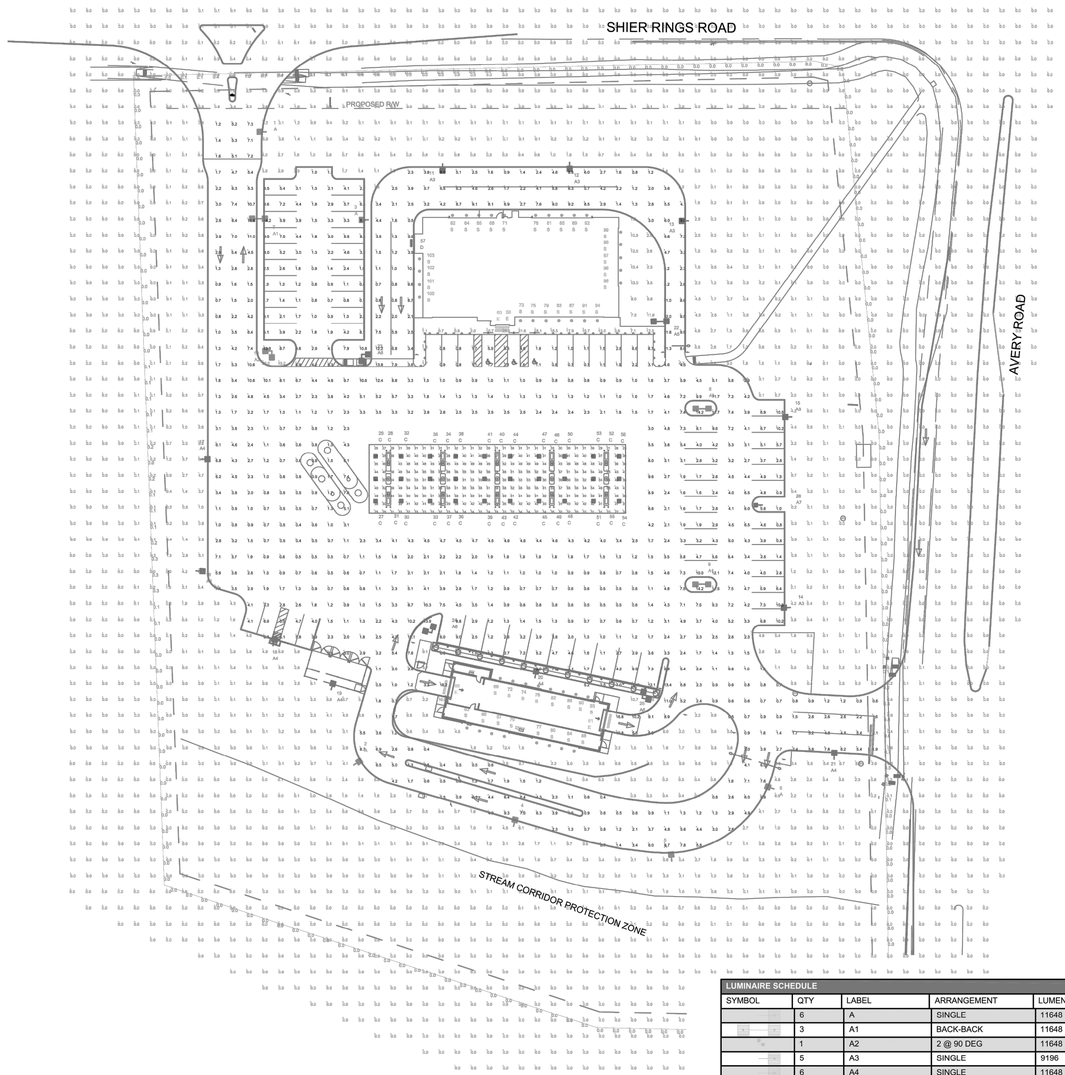

red leonard associates
1340 Kemper Meadow Dr. | Cincinnati, OH 45240 | 513-574-9500
www.redleonard.com

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A	15
2	A	15
3	A	15
4	A	15
5	A	15
6	A	15
7	A1	15
8	A1	15
9	A1	15
10	A2	15
11	A3	15
12	A3	15
13	A3	15
14	A3	15
15	A3	15
16	A4	15
17	A4	15
18	A4	15
19	A4	15
20	A4	15
21	A4	15
22	A5	15
23	A6	15
24	A6	15
25	A6	15
26	A7	15
27	C	15
28	C	15
29	C	15
30	C	15
31	C	15
32	C	15
33	C	15
34	C	15
35	C	15
36	C	15
37	C	15
38	C	15
39	C	15
40	C	15
41	C	15
42	C	15
43	C	15
44	C	15
45	C	15
46	C	15
47	C	15
48	C	15
49	C	15
50	C	15
51	C	15

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
52	C	15
53	C	15
54	C	15
55	C	15
56	C	15
57	D	12
58	E	10
59	E	12
60	E	12
61	E	10
62	S	12
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96	S	12
97	S	12
98	S	12
99	S	12
100	S	12
101	S	12
102	S	12
103	S	12

NOTES:
- ALL AREA LIGHTS ON NEW 15 FT. POLE.

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
CANOPY	43.20	59	23	1.88	2.57
PAVED AREA	3.52	18.2	0.4	8.80	45.50
PROPERTY LINE	0.06	1.0	0.0	N.A.	N.A.
UNDEFINED	0.46	29.3	0.0	N.A.	N.A.

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	6	A	SINGLE	11648	1.030	B3-U0-G3	86	516	Cree Inc	OSQ-DA-BK-OSQ-A-NM-3ME-B-57K-UL-BK-Q9
	3	A1	BACK-BACK	11648	1.030	B3-U0-G3	86	516	Cree Inc	OSQ-DA-BK-OSQ-A-NM-3ME-B-57K-UL-BK-Q9
	1	A2	2 @ 90 DEG	11648	1.030	B3-U0-G3	86	172	Cree Inc	OSQ-DA-BK-OSQ-A-NM-3ME-B-57K-UL-BK-Q9
	5	A3	SINGLE	9196	1.030	B1-U0-G2	86	430	Cree Inc	OSQ-DA-BK-OSQ-A-NM-3ME-B-57K-UL-BK-Q9 + OSQ-BLSMF
	6	A4	SINGLE	11648	1.030	B2-U0-G2	86	516	Cree Inc	OSQ-DA-BK-OSQ-A-NM-4ME-B-57K-UL-BK-Q9
	1	A5	BACK-BACK	11648	1.030	B2-U0-G2	86	172	Cree Inc	OSQ-DA-BK-OSQ-A-NM-4ME-B-57K-UL-BK-Q9
	3	A6	2 @ 90 DEG	11648	1.030	B2-U0-G2	86	516	Cree Inc	OSQ-DA-BK-OSQ-A-NM-4ME-B-57K-UL-BK-Q9
	1	A7	SINGLE	8950	1.030	B1-U0-G2	86	86	Cree Inc	OSQ-DA-BK-OSQ-A-NM-4ME-B-57K-UL-BK-Q9 + OSQ-BLSMF
	30	C	SINGLE	13251	1.030	B3-U0-G1	134	4020	CREE, INC.	CAN-304-SL-RS-06-E-UL-WH-700-57K-DIM
	1	D	SINGLE	3600	1.000	B2-U1-G1	41	41	Cree Inc	ST3-SF-04-H-40K-L-10V
	4	E	SINGLE	7200	1.000	B3-U1-G1	80	320	Cree Inc	ST3-SF-08-H-40K-L-10V
	42	S	SINGLE	2407	1.030	B2-U0-G0	37.5	1575	Cree Inc	KR6-30L-40K-120V-10V + KR6T-SSGCG-WF + KR6TA

REV.	BY	DATE	DESCRIPTION
R1	TAS	8/21/2020	UPDATED SITE PLAN
R2	TAS	9/22/2020	REVISED FIXTURE TYPES AND ADDED BUILDING LIGHTS
R3	TAS	10/5/2020	UPDATED SITE PLAN
R4	TAS	11/6/2020	REMOVED SECOND DRIVE THRU LANE
R5	TAS	11/9/2020	UPDATED FIXTURE SCHEDULE

TurkeyHill
EG America
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ILLUMINATION RESULTS SHOWN ON THIS LIGHTING APPLICATION ARE BASED ON PROJECT PARAMETERS PROVIDED BY THE MANUFACTURER LISTED, USED IN CONJUNCTION WITH LUMINAIRE TEST PROCEDURES CONDUCTED UNDER LABORATORY CONDITIONS. ACTUAL PROJECT CONDITIONS DIFFERING FROM THESE PARAMETERS MAY AFFECT FIELD RESULTS. THE CUSTOMER IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY APPLICABLE ELECTRICAL, LIGHTING, OR ENERGY CODE.

SCALE: 1" = 40'
DWG SIZE: D
LAYOUT BY: FNE
DATE: 5/8/2020

PROJECT NAME:
TURKEY HILL #728
DUBLIN, OH
DRAWING NUMBER:
RL-6783-S1-R5

rla

CFG10.0

PRIME AE
8415 PULSAR PLACE | SUITE 300
COLUMBUS, OH 43240
P 614-839-0250 | F 614 839 0251

DUBLIN, OH
ENGINEERING PLANS
FOR
TURKEY HILL
6233 AVERY ROAD
SITE LIGHTING PLAN

NO.	REVISIONS	DATE

DRAWN BY:	CHECKED BY:
RAK	TER

SCALE: **N/A**

DATE: 11-10-2020

SHEET NO. **CFG10.0**

P:\2019\EOH01ES-19521-Turkey Hill Avery Shire Rings Rd\500-CAD\590-Other\Civil\593-Print Sheets\CFG10 Lighting.dwg by: rkoenig on 11/10/2020 2:43 PM ~ for PRIME AE

AREA

PRODUCT	QTY	LABEL	DESCRIPTION
	6	A	OSQ-DA-BK-OSQ-A-NM-3ME-B-57K-UL-BK-Q9
	3	A1	OSQ-DA-BK-OSQ-A-NM-3ME-B-57K-UL-BK-Q9
	1	A2	OSQ-DA-BK-OSQ-A-NM-3ME-B-57K-UL-BK-Q9
	5	A3	OSQ-DA-BK-OSQ-A-NM-3ME-B-57K-UL-BK-Q9 + OSQ-BLSMF
	6	A4	OSQ-DA-BK-OSQ-A-NM-4ME-B-57K-UL-BK-Q9
	1	A5	OSQ-DA-BK-OSQ-A-NM-4ME-B-57K-UL-BK-Q9
	3	A6	OSQ-DA-BK-OSQ-A-NM-4ME-B-57K-UL-BK-Q9
	1	A7	OSQ-DA-BK-OSQ-A-NM-4ME-B-57K-UL-BK-Q9 + OSQ-BLSMF

OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium

Rev. Date: V04 02/25/2020

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Easy to specify and maintain, this luminaire provides a long-term lighting investment. With a site providing even, quality illumination, The 'B' input power designator is a suitable upgrade for HID applications up to 250 Watt, and the 'K' input power designator is a suitable upgrade for HID applications up to 400 Watt.
Applications: Parking lots, walkways, campuses, car dealerships, office complexes, tunnels, underpasses, and internal roadways

Performance Summary

Utilizes Cree TrueWhite® Technology on 5000K Luminaires
NanoOptic® Precision Delivery Grid™ optic
Assembled in the U.S.A. of U.S. and imported parts
Initial Delivered Lumens: Up to 17,291
Efficacy: Up to 134 LPW
CRI: Minimum 70 CRI (5000K, 4000K & 5700K); 90 CRI (3000K)
CCT: 3000K, 4000K, 5000K, 5700K
Limited Warranty: 10 years on luminaire/10 years on ColorSeal DeltaGuard® finish/5 years on Synapse wireless control accessories(1) year on luminaire accessories
* See https://creelighting.com/warranty for warranty terms

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:
Example: **Mount:** OSQ-DA-BK-OSQ-A-NM-3ME-B-40K-UL-BK-Q9

Mount (Luminaire must be ordered separately)*:

OSQ-	Color Options:
DSQ-D-AA Adjustable Arm **DSQ-DA** Direct Arm **DSQ-PA-FLAT** Transportation Mount (stainless steel, do not specify color) **DSQ-BLSMF** Blank Mount	**BK** Silver **BZ** Bronze **BR** Black **WH** White

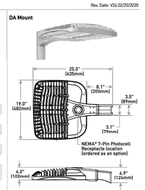
Luminaire (Mount must be ordered separately)

OSQ	A	NM					
Product	**Version**	**Mounting**	**Optic**	**Input Power Designator**	**CCT**	**Voltage**	**Color Options**	**Options**
OSQ	A	NM No Mount	**Asymmetric** **2ME²** Type V Medium **3ME³** Type V Medium **Symmetric** **5ME** Type V Medium **5SH** Type V Short **5WD** Type V Wide **WDA** Wide Angle **18D** 15' Floor	**B** 64W **E** 120W **K** 320W	**30K** 3000K TS CRI **40K** 4000K TS CRI **50K** 5000K TS CRI **57K** 5700K TS CRI	**UL** Universal 120-277V **UN** Universal 347-480V **HL** High Voltage Input Power Designators only	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**PML** **Programmable Multi-Level, up to 47 Mounting Height** - Refer to CSQ_spec sheet for details - Intended for downlight applications at 12' and below **PML2 Programmable Multi-Level, 10-30' Mounting Height** - Refer to CSQ_spec sheet for details - Intended for downlight applications at 30' and below **DYNAMIC/BLUE/SLIPSTREAM** **Dynamic Blue Slipstream** - Must select CV, QS, US, QA, QD, LD, or D1 - Offers full range adjustability **Blue Slip** - Fixed Color Slipstream and Lumen values - Available with B & E Input Power Designators - Not available with PML or PML2 options	**B** **NEMA® 7-Pin Photocell Receptacle location (ordered as an option)** - If you navigated to your OSQ CSQ list - Intended for downlight applications at 12' and below - Factory connected to 120 volt loads - 18" (457mm) seven-conductor cord length - Requires photocell or shorting cap to operate **NEMA® 7-Pin Photocell Receptacle location (ordered as an option)** - Intended for downlight applications at 30' and below **RL** **Rotate Right** - LED and optics are rotated to the right - Refer to WH/RL configuration diagram on page 10 for optic directionality **RT** **Rotate Right** - LED and optics are rotated to the right - Refer to WH/RL configuration diagram on page 10 for optic directionality

* Available with Backlight Shield when ordered with field-installed accessory (see table above)

US: creelighting.com (800) 236-4800
Canada: creelighting-canada.com (800) 473-1234

CREE LIGHTING



Weight
26.9 lbs (13.1kg)

CANOPY

PRODUCT	QTY	LABEL	DESCRIPTION
	30	C	CAN-304-SL-RS-06-E-UL-WH-700-57K-DIM

304 Series™

LED Recessed Canopy Luminaire

Product Description

Luminaire housing is constructed from rugged die cast aluminum components (RS Mount) or die cast and extruded aluminum components (RD Mount). LED driver is mounted in a sealed weathertight center chamber that allows for access from below the fixture. Luminaire mounts to a junction box with four screws and is easily wired using the provided leads. The luminaire housing is provided with factory applied foam gasket that provides a watertight seal between luminaire housing and canopy deck. Suitable for use in single or double skin canopies with 1x4 (US) nominal wide panels. Designed for canopies of 11-22 gauge (maximum 0.0451" (1 mm) thickness).
Applications: Petroleum stations, convenience stores, drive-thru banks and restaurants, retail and grocery

Performance Summary

Patented NanoOptic® Product Technology
Assembled in the U.S.A. of U.S. and imported parts
CRI: Minimum 70 CRI
CCT: 4000K (+/- 300K), 3700K (+/- 500K) standard
Limited Warranty*: 10 years on luminaire/10 years on ColorSeal DeltaGuard® finish
* See http://creelighting.com/warranty for warranty terms

Accessories

Field-Installed

Hand-Held Remote
Ni-SESM24
- For automatic implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Ordering Information

Example: CAN-304-SM-RS-06-E-UL-SV-350

CAN-304-								
Product	**Optic**	**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
CAN-304	**SM** Type V Medium **SL** Type V Short **P** Petroleum Symmetric **NL** Sparkle Petroleum	**RS** Recessed Single Skin **RD** Recessed Double Skin	**06** **06**	**E**	**UL** Universal 120-277V **UN** Universal 347-480V **HL** High Voltage Input Power Designators only	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA	**DIM 0-10V Dimming** - Leave blank if not required - Refer to Dimming specs sheet for details - Can't exceed specified drive current **F** - When code dictates fusing use time delay fuse - Refer to CSQ_specs sheet for availability with PML, PML2 options **PML** Programmable Multi-Level - Refer to CSQ_specs sheet for details **ADR Auto Dim/Restore** - Minimum 15 CRI - Color temperature per luminaire

* All LED luminaire requires marked spacing: 18" x 24" x 4" (1.27mm x 610mm x 102mm), 48" (1.219mm) center-to-center of adjacent luminaires, 24" (610mm) luminaire center to side building member, 4" (102mm) top of luminaire to overhead building member

US: lighting.cree.com T (800) 236-4800 F (262) 504-5415

Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7107

Rev. Date: V2 10/04/2018

CREE

LINEAR

PRODUCT	QTY	LABEL	DESCRIPTION
	1	D	ST3-SF-04-H-40K-L-10V
	4	E	ST3-SF-08-H-40K-L-10V

Stylus™ Linear Series

Stylus™ LED Surface Specification Grade Luminaire

Rev. Date: V5 05/05/2020

Product Description

The Stylus Linear Series is a full range linear specification portfolio. Its sleek minimalistic design provides clean uniform lines of light for any application such as offices, healthcare, education and interior design. Designed with Cree TrueWhite® Technology, the Stylus Linear Series offers premium color quality with a CRI > 90 and R9 > 65 ideal for optimally displaying objects like produce, fabric, and artwork. With smooth full-range dimming down to 1%, the Stylus Linear Series allows each space with the appropriate light level needed for any activity. Available in up to 72 feet of continuous rows of seamless light in two-foot increments. Being versatile for lighting design, the Stylus Linear Series offers a variety of mounting options and accessories. Is compatible with Cree Lighting's SmartCast Technology, Lutron Ecosystem Ready, and Lutron EcoSystem controls systems. Specifiable in three colors: white, black and graphite, the Stylus Linear Series is perfect for any application.
Applications: Surface applications for new construction and upgrade

Performance Summary

Utilizes Cree TrueWhite® Technology (90 CRI)
Initial Delivered Lumens: 400-1,150 lumens per foot
Efficacy: Up to 119 LPW
CRI: 90+ CRI Standard, Optional 80+ CRI
R9: > +0 (90 CRI)
CCT: 3000K, 3500K, 4000K, 5000K
Input Voltage: 120-277 VAC or 347 VAC
L_{70} Lifetime: > 100,000 hours at 25°C
Limited Warranty*: 10 years on luminaire; 5 years on SmartCast® and Lutron controls; up to 5 years for SmartCast® accessories
Limited Warranty Emergency Back Up (EB) Battery and Generator Transfer Device: 1 Year. Test regularly in accordance with local codes
Dimensions with End Caps: H 3.5" (89mm) x W 3.0" (76mm) x L up to 72.25' (22.02m)
Weight: 2.4 LB/FT (1.2kg)
Dimming: 0-10V dimming to 1%, DALI dimming to 5%, SmartCast™ Technology dimming to 5%, Lutron Ecosystem dimming to 5%, Lutron Vive dimming to 5%
Assembled in the U.S.A. of U.S. and imported parts
* See https://creelighting.com/warranty for warranty terms. For SmartCast accessories, consult SmartCast spec sheets for details on warranty terms.

Accessories

Field-Installed

SmartCast® Technology Configuration Tool
CCT-CONFIG
- One required per project when SCS control is selected
SmartCast® Technology Face Plates
CFP-L-1-WH
- Matching face plate, 1 gang, white
CFP-L-1-BK
- Matching face plate, 1 gang, black
CFP-L-2-WH
- Matching face plate, 2 gang, white
SmartCast® Technology Wireless Dimmer
CFL-DIM-CWT
SmartCast® Technology Wireless Switch
CFL-SW-CWT
SmartCast® Technology Wireless Plug Load Controller
CFL-PLC-CWT
SmartCast® Technology Bluetooth® Centerpoint Control
CFL-CP-CWT
SmartCast Wireless Gateway with Wi-Fi
CFL-GW-CWT-WF
- Required with SmartCast
SmartCast® Technology Wireless Gateway Wall Plug Power Supply
CFL-WPS-CWT
- For use with SmartCast Wireless Gateway with Wi-Fi
SmartCast® Technology Controller
CFL-CTL-CWT
- Intelligent sensing and control of 0-10V luminaires

Ordering Information

Example: ST3-SF-04-L-DIM-L-10V-WH

ST3-	SF-											
Product	**Mount**	**Length**	**Plus***	**Downlight Output**	**CRI**	**CCT**	**Voltage**	**Downlight Option**	**Controls**	**Color**	**Options**	
ST3 Stylus 3" Linear	SF Surface Mount	**Blank** Use # of increments up to 72'	**Blank** None **L** Lens **R** Round Reflector **R_A_F** Round Reflector & Flange **L_R_A_F** Lens & Round Reflector & Flange **L_Frame** Lens & Frame **L_Frame_R_A_F** Lens & Frame & Round Reflector & Flange	**L** Low 250 CRI: 400 lumens/ft 90 CRI: 350 lumens/ft **M** Medium 250 CRI: 650 lumens/ft 90 CRI: 550 lumens/ft **H** High 250 CRI: 900 lumens/ft 90 CRI: 750 lumens/ft	**Blank** 70 CRI **8** 80 CRI	**30K** 3000K **35K** 3500K **40K** 4000K	**Blank** 120-277 Volt **UN** 347-480 Volt	**L** Lumberjack Option	**10V** 0-10V dimming to 1% **DALI** DALI dimming to 5% - Not available with 2' lengths or 347V **SCS** SmartCast Wireless control and dimming - Dimming to 5% - Not available in 2' lengths **LEOS** Lutron Ecosystem (S-Series EcoSystem Driver 5% Dimming) **VDO** Lutron Vive (5% Dimming) - Not available in 2', 12', and 72' section lengths - Not available for camera	**WH** White **BK** Black **GR** Graphite	**EB 10W Emergency Battery Backup**** - 120-277V only - Refer to specsheet for additional emergency units per run, consult specs - Not available in 347V - Not available in 2' fixtures **GT Generator Transfer Device**** - 120277V only - Not available in 2' fixtures **LES Lutron EcoSystem® Dimming** - For standard control offering refer to Lutron EcoSystem specsheet page 6 **10V 0/1-10V Dimming** - Refer to control availability chart on page 6 **LEO Lutron EcoSystem® Dimming** - Minimum 90 minutes - 0°C (32°F) - Minimum operating temperature: 0°C (32°F)

Refer to page 3 for Plan Diagram for Corners.
* EP and EB cannot be used together.

US: creelighting.com (800) 236-4800
Canada: creelighting-canada.com (800) 473-1234

CREE LIGHTING

SOFFIT

PRODUCT	QTY	LABEL	DESCRIPTION
	42	S	KR6-30L-40K-120V-10V + KR6T-SSGCG-WF + KR6TA

KR Series

KR6™ LED Specification Downlight – Round 6"

Rev. Date: V14 03/10/2020

Product Description

The KR6™ LED specification downlight features Cree TrueWhite® Technology and delivers beautiful, high-quality light with efficacy up to 76 lumens per watt. Designed for new construction applications, the KR Series is available in a variety of color temperatures, round and square trims with high-quality anodized aluminum reflector finishes, a sloped ceiling adaptor accessory, and a variety of dimming options including Cree Lighting's Sunset Dimming Technology which provides rich, warm light that transitions from 2700K to 1800K as naturally as an incandescent source.

Performance Summary

Utilizes Cree TrueWhite® Technology
Initial Delivered Lumens: 700-5,300 lumens; Delivered lumen output is typical when using a SSGC type reflector
Input Power: 13-87 watts
Emergency Performance: Up to 1,210 Lumens; 10W; Minimum 90 Minutes
CRI: 90
CCT: 2700K, 3000K, 3500K, 4000K, 5000K
Controls: Triac Dimming to 5%, 0/1-10V Dimming to 10%, and Lutron EcoSystem® Dimming to 1%
Limited Warranty*: 10 years on KR6™ Luminaire(1) year on accessories
Limited Warranty Emergency Back Up (EB) Battery: 1 Year Battery Back Up. Test regularly in accordance with local codes
* See http://creelighting.com/warranty for warranty terms

Accessories

Field-Installed

Round Ceiling Adapter
KR6RCA**-WH
- 7-30 Sloped Ceiling (in 5 degree increments)

C-Channel Hanger Bars
KR6HCBS
- For 36" (914mm) taped 3/8" x 1/8" (9mm x 3mm) C-Channel bars
KR6HCBJ-2
- Pair of 26" (660mm) x 1-1/2" (38mm) x 1/8" (3mm) standard C-Channel bars

T-Bar Clips
KR6TCT
- Pair of T-bar
- For use with KR6HCBJ-2 hanger bars

Beauty Ring
KR6BR**-WH
- White beauty ring to cover gap twixt fasteners on KR6T reflector

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:
Example: **Housing:** KR6-30L-08K-120V-10V + **Reflector:** KR6T-SSGCG-FF

Reflector (Housing must be ordered separately)

KR6T-			
Series	**Reflector Finish**	**Flange Finish**	**Options**
KR6T Standard Trim - Reflector attaches to housing with pan-head fasteners and keyhole slots	**SSGC** Soft Gold Glow, Clear	**FF** Matches Reflector **WF** White Paint	**WW** Wall Wash

Housing (Reflector must be ordered separately)

KR6-										
Series	**Size**	**Reflector**	**Lumen Package**	**Optic**	**CCT**	**Voltage**	**Controls**	**Color**	**Options**
KR	**6** 6 inch trim	**Blank** Round	**L** Low 700 CRI: 700 Lumens - 9 LPW **M** Medium 700 CRI: 1,700 Lumens - 17 LPW **H** High 700 CRI: 3,550 Lumens - 41 LPW **U** Ultra 90 CRI: 3,300 Lumens - 36 LPW **E** Extra 90 CRI: 5,300 Lumens - 61 LPW **A** Ultra 90 CRI: 4,600 Lumens - 61 LPW - Available on 120V and 277V only	**Blank** Narrow Flood **W** Wide **VW** Very Wide **A** Asymmetric	**27K** 2700K - Not available in 90+ CRI, only 80 CRI **30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K - Not available on 4/5, and 6/8, only	**120V** 120 Volts **277V** 277 Volts **347V** 347 Volts	**Blank** Non-Emergency **10W** 10 Watts **EB** Emergency Backup - Not available on 120V and 277V only	**Blank** 0/1-10V Dimming **ST** Sunset Dim TS and CS, 0-277V with Triac Dimming **EBT Emergency Backup** - Minimum 90 minutes - 0°C (32°F) - Minimum operating temperature: 0°C (32°F)

* Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the Temperature Zone Reference Document for outdoor average nightime ambient temperatures.
** In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to the tested duration in the IES LM-80 report for the LED.

Installation

- Recommended ceiling cutout 6.5" (165mm)

Note: 5/6, and 4/6, versions require mounted spacing: 36" (915mm) x 12" (305mm) x 12" (305mm). 24" (610mm) luminaire to luminaire, 12" (305mm) luminaire to side wall, 12" (305mm) above luminaire.
4/6, versions require marked spacing: 48" (1219mm) x 24" (610mm) x 12" (305mm), 48" (1219mm) luminaire to luminaire, 24" (610mm) luminaire to side wall, 12" (305mm) above luminaire

CREE LIGHTING

OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium

Product Specifications

CREE TRUEWHITE® TECHNOLOGY
A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics, and lifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.

CONSTRUCTION & MATERIALS
- 35mm, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment. Housing doubles as a passive heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adapter is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Transportation mount is constructed of 316 stainless steel and mounts to surface with (3) 3/8" fasteners to pole
- Trunnion mount is constructed of A500 and A1011 steel and is galvanized per ASTM A153. Trunnion mounting bracket for wall mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Includes 18" (460mm) 18/5 or 14/5 cord entry the luminaire. When ordered with 8 option, 18" (460mm) 18/7 or 14/7 cord is provided
- Designed for uplight and downlight applications
- Exclusive ColorSeal DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** DSQ-S-AA (7.5 lbs. (3.1kg), DSQ-D-AA: 28.4 lbs. (12.9kg), DSQ-W-TGP: 42 lbs. (19.1kg), DSQ-TM: 32.6 lbs. (14.8kg)

ELECTRICAL SYSTEM
- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Consult factory if in-luminaire fusing is required
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- **Maximum 10V Source Current:** 1.0mA

REGULATORY & VOLUNTARY QUALIFICATIONS
- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards with AA, DA, TM, and TSP mounts
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC and DLC Premium qualified versions available with 70 CRI. Some exceptions apply. Please refer to https://www.designlights.org/search/ for most current information
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct or transportation mounts only. Please refer to https://www.darksky.org/our-work/lighting/lighting-for-industry/flea/flea-products/ for most current information

⚠ **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSMART INTELLIGENT CONTROL
The Synapse SimplySMART platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade metering capabilities. The Synapse SimplySMART platform offers a flexible, scalable, a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TLC-102) and Site Controller (SGx00-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Electrical Data*

Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
B	64	0.73	0.43	0.37	0.32	0.25	0.19
K	130	1.09	0.65	0.56	0.49	0.38	0.28
Z	32**	Ext	0.26	0.23	Ext	N/A	N/A

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/-10%.
** Available with UL voltage only

DSQ Series Ambient Adjusted Lumen Maintenance*

Ambient	Optic	Initial LMF	25K hr Projected* LMF	50K hr Projected* LMF	75K hr Projected* LMF	100K hr Projected* LMF
5°C (41°F)	Asymmetric	1.04	1.03	1.01	0.99	0.97
	Symmetric	1.05	1.04	1.03	1.03	1.02
10°C (50°F)	Asymmetric	1.03	1.02	1.00	0.98	0.96
	Symmetric	1.04	1.03	1.02	1.01	1.00
15°C (59°F)	Asymmetric	1.02	1.01	0.99	0.97	0.95
	Symmetric	1.02	1.02	1.01	1.00	0.99
20°C (68°F)	Asymmetric	1.01	1.00	0.98	0.96	0.94
	Symmetric	1.01	1.01	1.00	0.99	0.98
25°C (77°F)	Asymmetric	1.00	0.99	0.97	0.95	0.93
	Symmetric	1.00	0.99	0.98	0.96	0.97

* Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the Temperature Zone Reference Document for outdoor average nightime ambient temperatures.
** In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to the tested duration in the IES LM-80 report for the LED.

Accessories

Field-Installed

Backlight Shield
DSQ-BS-SMF
- Backlight control option
- DSQ-BLSMF
- Related options

Hand-Held Remote
Ni-SESM24
- For automatic implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Bird Spikes
OSQ-MED-BRDSPK

Shorting Cap
SX-DSL-SHRT

Synapse Wireless Control Accessories

Twist-Lock Lighting Controller
TLT-B2
- Required for 120-277V (L1,L2 voltage only)
- Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle
- Supports 0-10V, DALI, DS options
- Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring capabilities

SimplySMART Control Base Station
CBDSM-x00-000
- Required for Site Controller (SGx00-002) and Gateway
- 5-button switch
- Indoor and Outdoor rated

SimplySMART On-Site Controller
SGx00-002
- Requires LTG-enabled
- Designed for outdoor applications

Building Management System (BMS) Gateway
CGM-x00-000
- Required for BACNET integration

Outdoor Antennas
Omni-directional range, 8dB gain
KIT-ANTx00N4
- Kit includes antenna, 30' cable and bracket

Yagi, 12dB gain
KIT-ANTx00Y
- Kit includes antenna, 50' cable and bracket

CREE LIGHTING

304 Series™ LED Recessed Canopy Luminaire

Product Specifications

CONSTRUCTION & MATERIALS
- RS Mount luminaire housing is constructed from rugged die cast aluminum components (RS Mount). LED driver is mounted in a sealed weathertight center chamber that allows for access from below the fixture.
- RD Mount luminaire housing is constructed from rugged die cast aluminum and features high performance extruded aluminum heatsinks specifically designed for LED canopy applications
- LED driver is mounted in a sealed weathertight center chamber that allows for access from below the luminaire
- Field adjustable drive current between 350mA, 525mA and 700mA on Non-CC rated luminaires
- Luminaire housing provided with factory applied foam gasket and provides for a weathertight seal between luminaire housing and canopy deck
- Mounts directly to the canopy deck and is secured in place with a die cast aluminum trim frame
- RD mount includes integral junction box which allows ease of installation without need to open luminaire
- Suitable for use in single (RS Mount) or double (RD Mount) skin canopies with 14" (406mm) wide panels
- Designed for canopies of 19-22 gauge (maximum 0.040" (1mm) thickness)
- See 228 Series™ canopy luminaires for canopies using 12" (305mm) deck sections
- Exclusive ColorSeal DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available

ELECTRICAL SYSTEM
- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weatherproof electrical box with terminal strips (120a-200a) for easy power hookup
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **10V Source Current:** 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS
- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15 standards for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified when ordered with P5 or 5L optics and 525 or 700mA drive current. Please refer to www.designlights.org/QPL for most current information
- RoHS Compliant. Consult factory for additional details
- Meets Buy American requirements within ARRA

⚠ **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

LED Count (x10)	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
350mA							
06	44	0.39	0.26	0.22	0.21	0.15	0.12
08	69	0.57	0.36	0.30	0.27	0.21	0.15
525mA							
06	71	0.59	0.35	0.31	0.28	0.21	0.16
08	101	0.84	0.49	0.43	0.38	0.30	0.22
700mA							
06	96	0.79	0.46	0.40	0.36	0.28	0.21
08	135	1.14	0.65	0.57	0.50	0.40	0.29

* Electrical data at 25°C (77°F).

304 Series™ Ambient Adjusted Lumen Maintenance*

Ambient	Initial LMF	25K hr Projected* LMF	50K hr Projected* LMF	75K hr Projected* LMF	100K hr Projected* LMF
5°C (41°F)	1.04	0.99	0.97	0.95	0.93
10°C (50°F)	1.03	0.98	0.96	0.94	0.92
15°C (59°F)	1.02	0.97	0.95	0.93	0.91
20°C (68°F)	1.01	0.96	0.94	0.92	0.90
25°C (77°F)	1.00	0.95	0.93	0.91	0.89

* Lumen maintenance values at 25°C are calculated per TM-21based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the Temperature Zone Reference Document for outdoor average nightime ambient temperatures.
** In accordance with IESNA TM-21, Calculated values represent lumen maintenance values that exceed six times (6X) the IESNA LM-80-08 test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip.

CREE

Stylus™ LED Surface Specification Grade Luminaire

Product Specifications

SMARTCAST® TECHNOLOGY
SmartCast™ Technology is the most intuitive and easiest to install intelligent light control platform. Powered by Bluetooth® Technology delivers up to 70% energy savings of up to half the cost of other solutions. Luminaires combine best-in-class light with ambient sensors and intelligence to deliver a better light experience. Extreme energy savings, maximum productivity and a better light experience without any extra design, installation or setup work.

CREE TRUEWHITE® TECHNOLOGY
A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics, and lifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.

CONSTRUCTION & MATERIALS
- 4kV surge protection on all luminaire housing
- Matte acrylic lens
- Boat suspension acrylic lens
- Textured powder coat paint with a matte white, black or graphite finish
- Integral wireless control housing hide at each end of the luminaire, and a 1-12" plugged hole on each end of the housing
- End caps are extruded aluminum and come installed on individually mounted luminaires (1-12')
- One set of end caps is included to accommodate runs from 14'-72'
- Continuous rows include quick connect wiring harnesses for ease of installation. Alignment pins between luminaires create seamless appearance and straighter rows
- **Weight:** 2.4 lbs./ft., 1.2 lbs./ft. (with end caps), 1.5 lbs./ft. (with end caps and SmartCast)

OPTICAL SYSTEM
- Lens optic with internal blinders to provide the correct level of illumination within each fixture
- High efficiency diffuser designed to minimize glare and provide uniform light distribution

**ELECTRICA