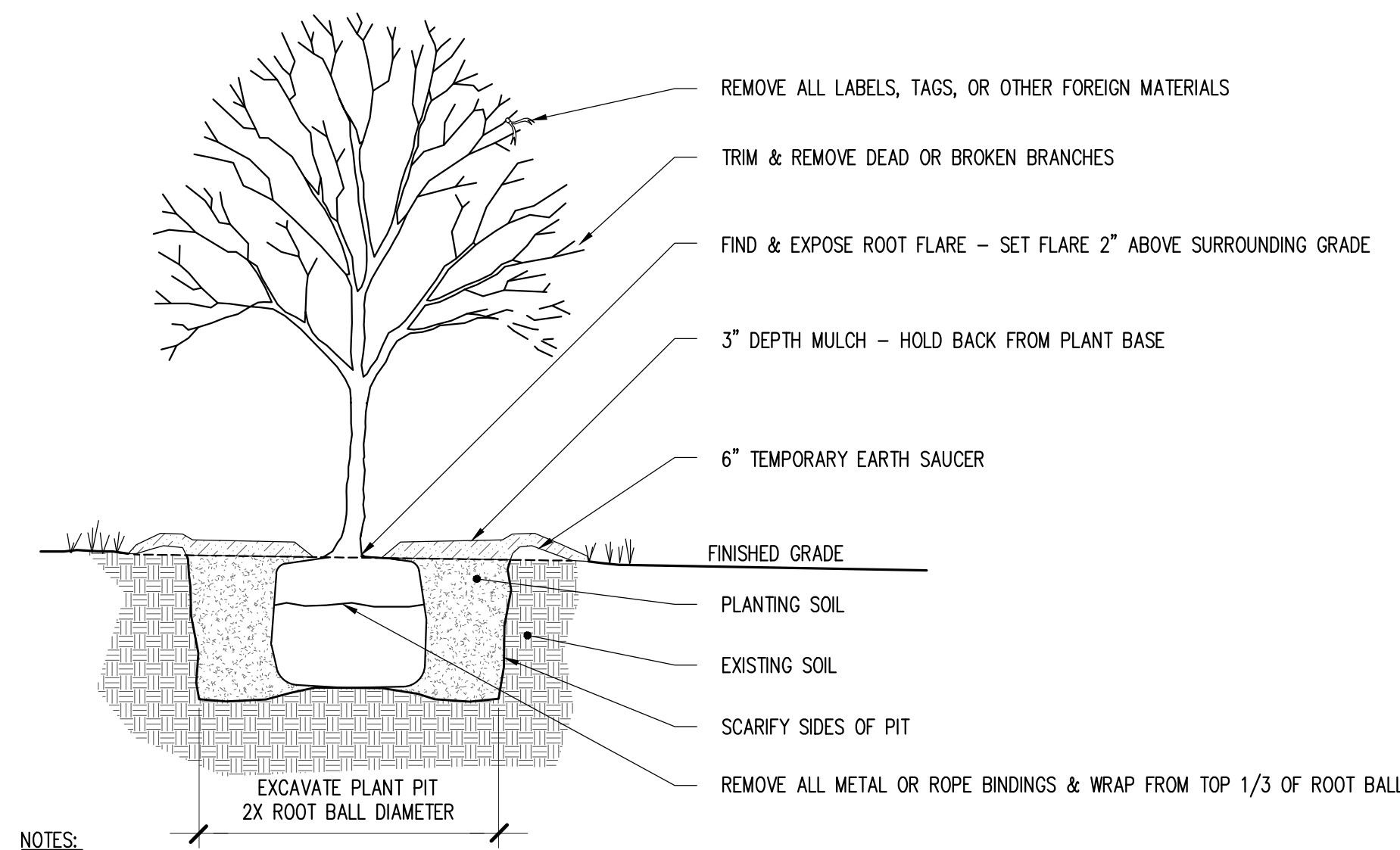


PLANT LIST

SYM	KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING
TREES - DECIDUOUS							
ACm	10		ACER CAMPESTRE	HEDGE MAPLE	2.5" CAL.	B+B	PER PLAN
AC	5		AMELANCHER CANADENSIS	SHAD	8-10' HT.	B+B	PER PLAN
AF	4		ACER x 'TREMANNI' Jefferson	FREEMAN MAPLE	4" CAL.	B+B	PER PLAN
AR	2		ACER RUBRUM 'Karpick'	'Karpick' RED MAPLE	1.75-2" CAL.	B+B	PER PLAN
GT	12		GLEDTISIA TRICANTHOS var. inermis	HONEY LOCUST	2" CAL.	B+B	PER PLAN
UA	7		ULMUS AMERICANA 'Princeton'	PRINCETON ELM	5" CAL.	B+B	PER PLAN
TREES - EVERGREEN							
TP	6		THUJA PLICATA x STANDISHI	THUJA 'Green Giant'	10-12' HT.	B+B	PER PLAN
SHRUBS							
CA	59		CLETHRA ALNIFOLIA	SUMMERSWEET	#3	CONT.	PER PLAN
MP	82		MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	#3	CONT.	PER PLAN
GROUNDCOVERS							
AU	684		ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	#3	CONT.	24" O.C.
CP	1094		COMPTONIA PEREGRINA	SWEETFERN	#3	CONT.	24" O.C.
DP	3564		DENNSTADTIA PUNCTILOBA	HAY-SCENTED FERN	SOD	---	---
RA	252		RHUS AROMATICA 'GRO-LOW'	FRAGRANT SUMAC	#3	CONT.	24" O.C.
XS	1015		XANTHORHIZA SIMPLICISSIMA	YELLOWROOT	#1	CONT.	18" O.C.

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NOT FOR CONSTRUCTION
LEVEL III SITE PLAN APPLICATION
08/23/2018

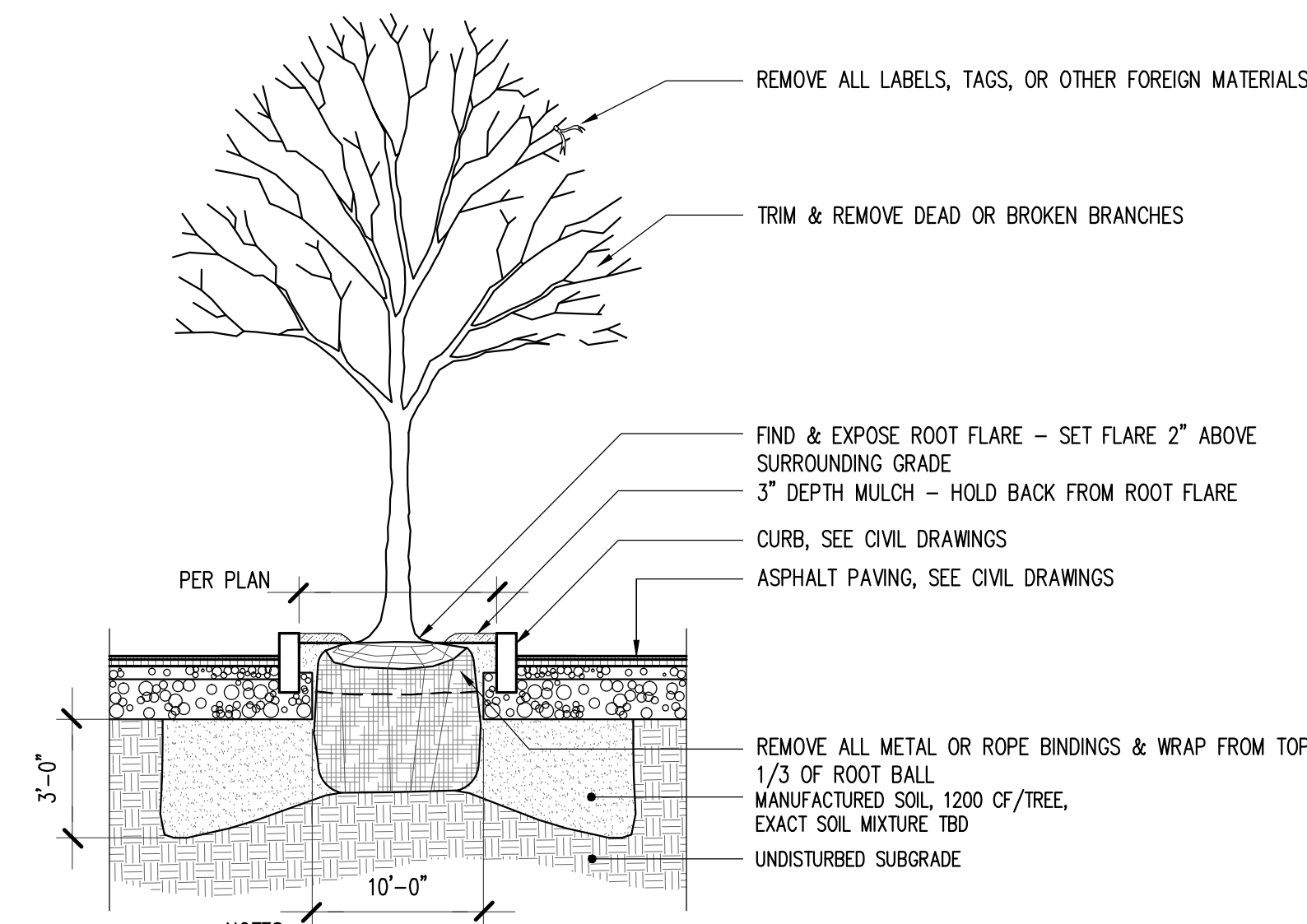


NOTES:

1. TREE TO BE SET PLUMB.
2. SECURE TREE AS MAY BE REQUIRED ACCORDING TO TREE SIZE, LOCATION, & WIND/WEATHER CONDITIONS.
3. IF USING ROOTBALL STABILIZATION, FOLLOW MANUFACTURER'S RECOMMENDATIONS.

1 TREE PLANTING DETAIL

1/4"=1'-0"

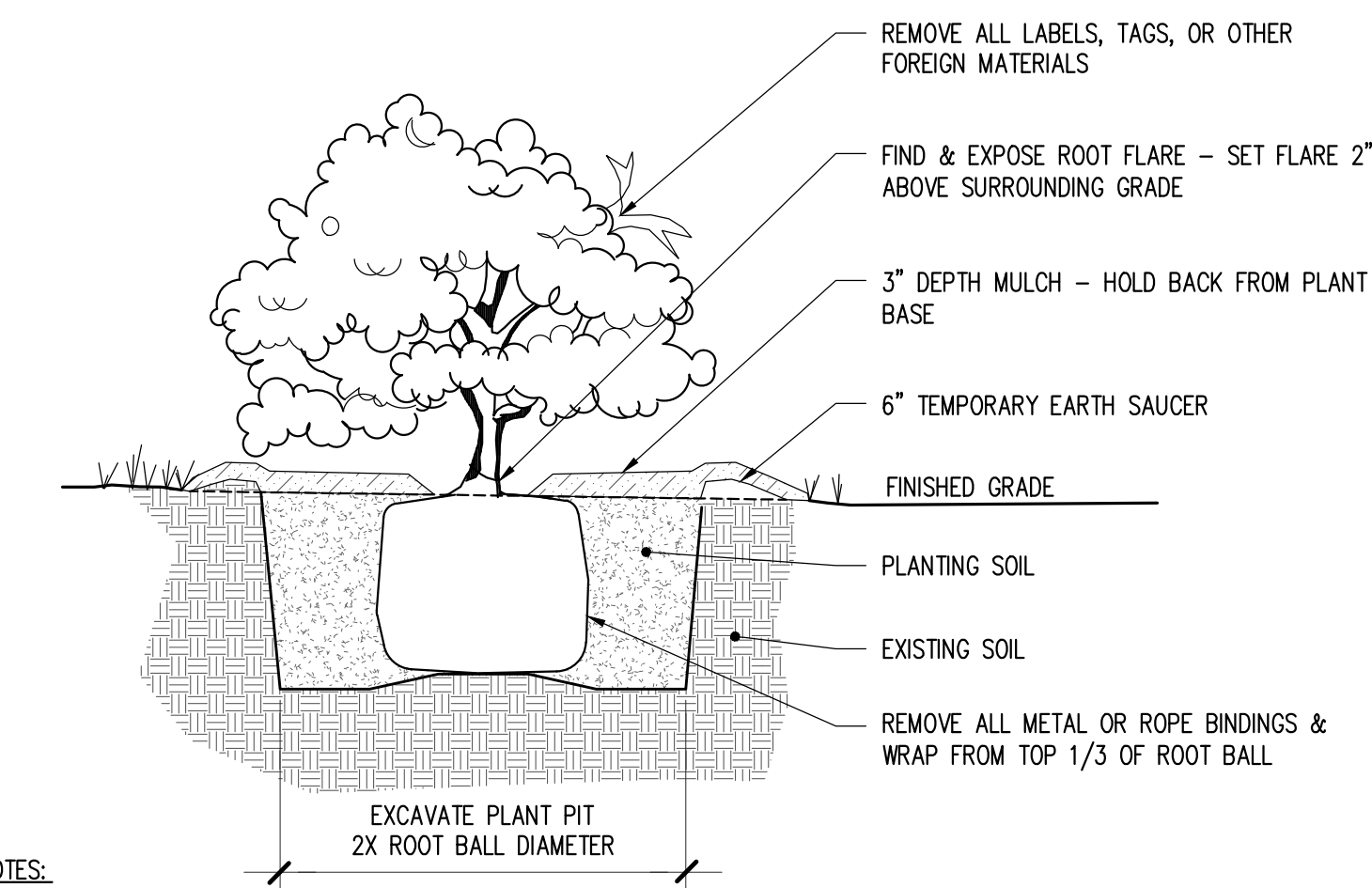


NOTES:

1. TREE PITS TO INCLUDE ROOT IRRIGATION AND AERATION SYSTEM, TBD.
2. TREE TO BE SET PLUMB.
3. SECURE TREE AS MAY BE REQUIRED ACCORDING TO TREE SIZE, LOCATION, & WIND/WEATHER CONDITIONS.
4. IF USING ROOTBALL STABILIZATION, FOLLOW MANUFACTURER'S RECOMMENDATIONS.

2 TREE PLANTING IN ASPHALT DETAIL

1/4"=1'-0"

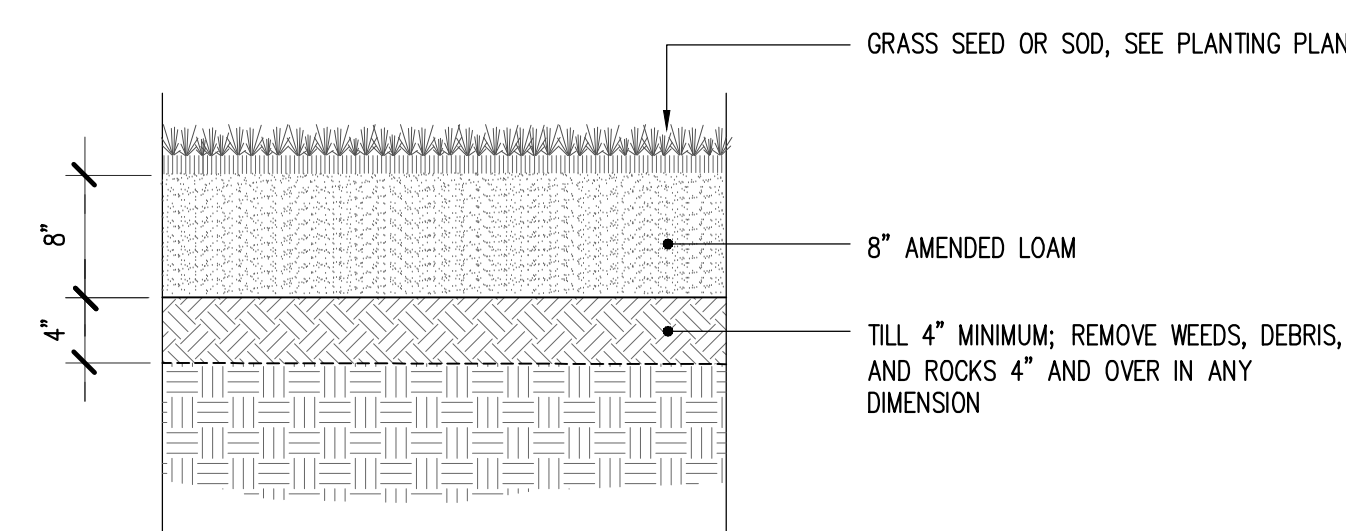


NOTES:

1. SHRUB TO BE SET PLUMB.
2. SECURE SHRUB AS MAY BE REQUIRED ACCORDING TO SIZE, LOCATION, & WIND/WEATHER CONDITIONS.
3. IF USING ROOTBALL STABILIZATION, FOLLOW MANUFACTURER'S RECOMMENDATIONS.

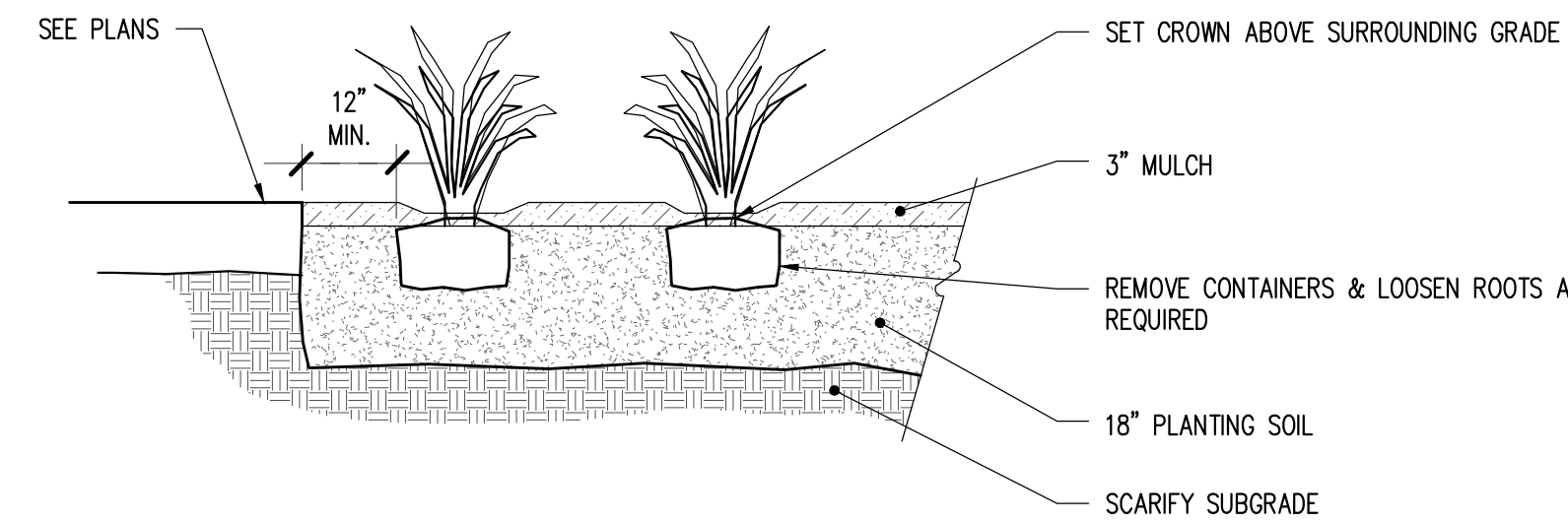
3 SHRUB PLANTING DETAIL

1/2"=1'-0"



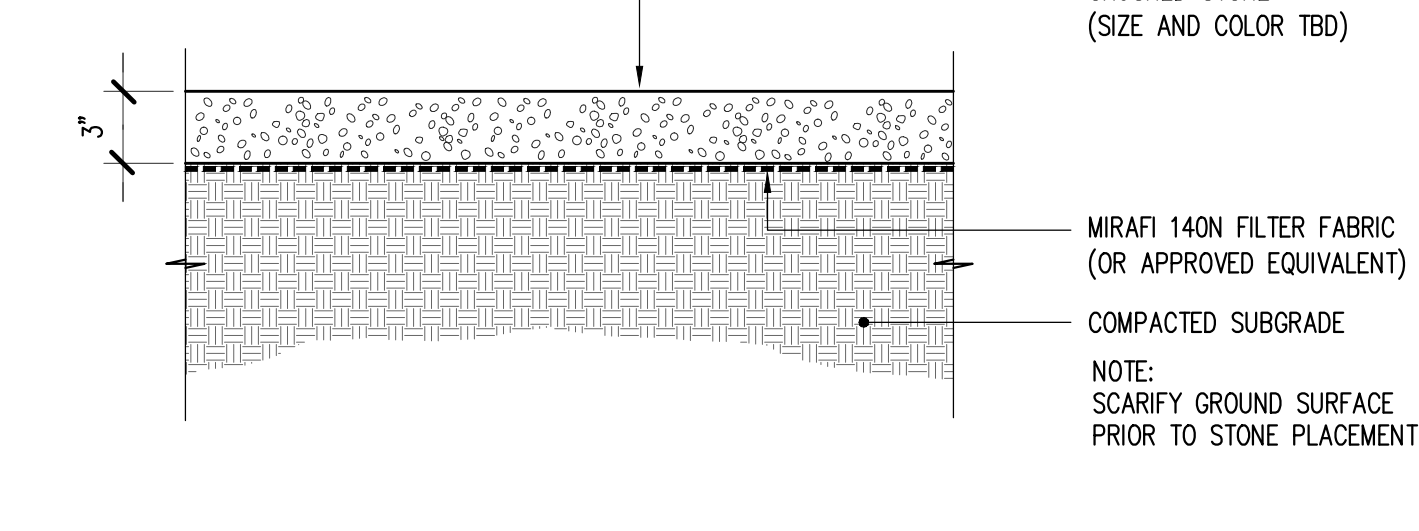
4 TURF PLANTING DETAIL

1"=1'-0"



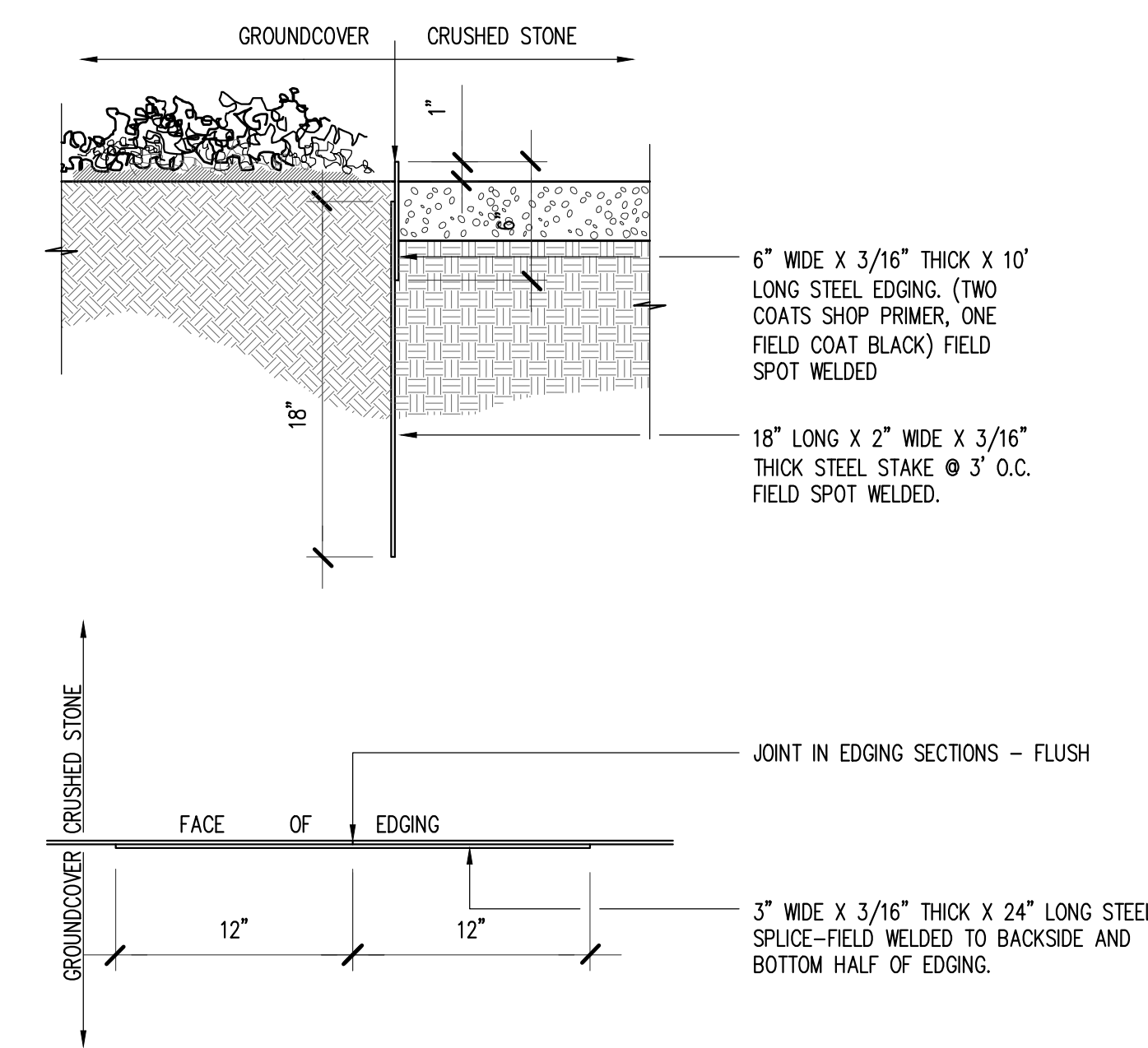
5 GROUNDCOVER PLANTING DETAIL

1/2"=1'-0"



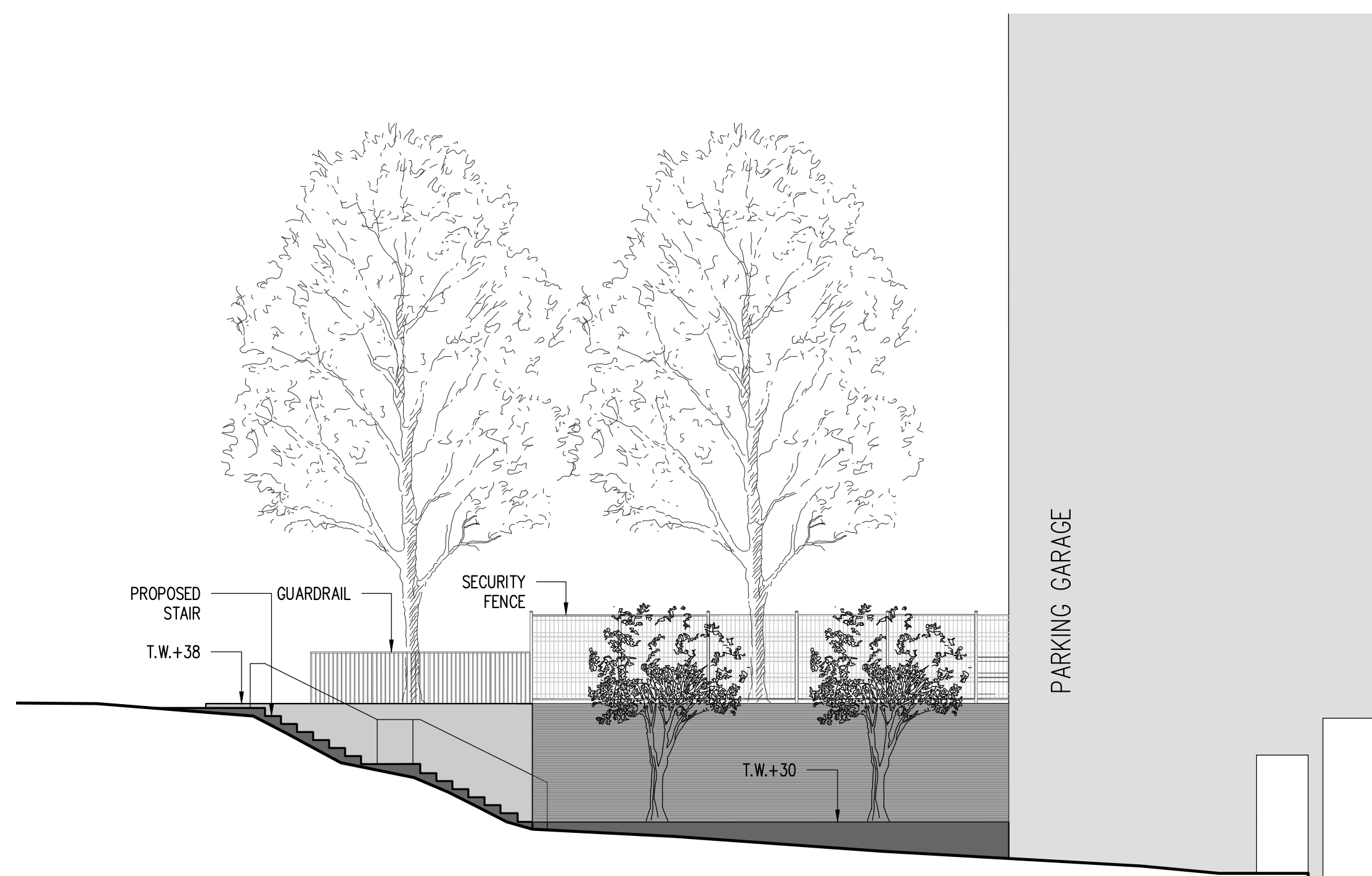
6 CRUSHED STONE PAVING DETAIL

1-1/2"=1'-0"



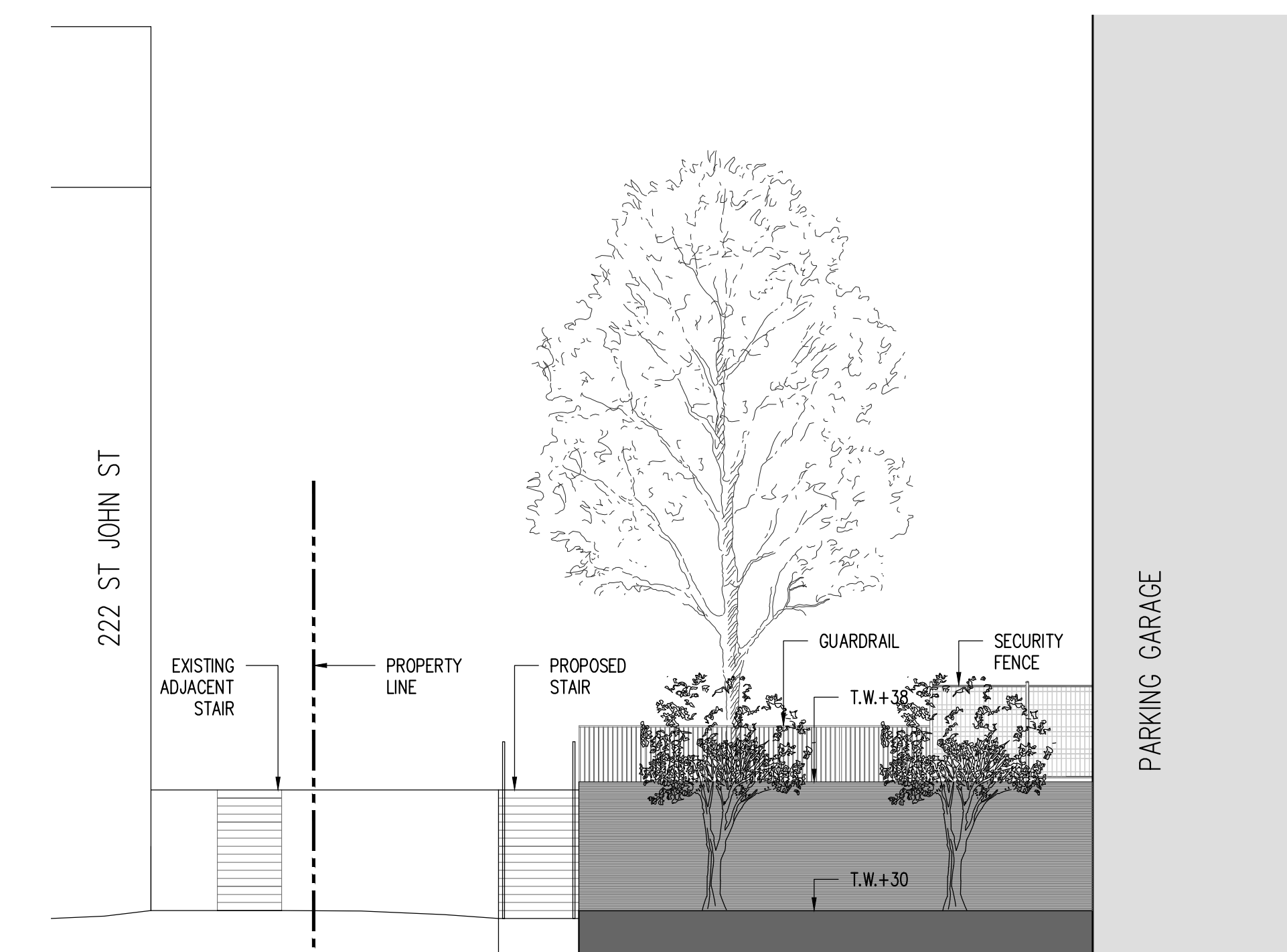
7 STEEL EDGE DETAIL

1-1/2"=1'-0"



8 E/W SECTION AT STAIR

1/8"=1'-0"



9 N/S SECTION AT STAIR

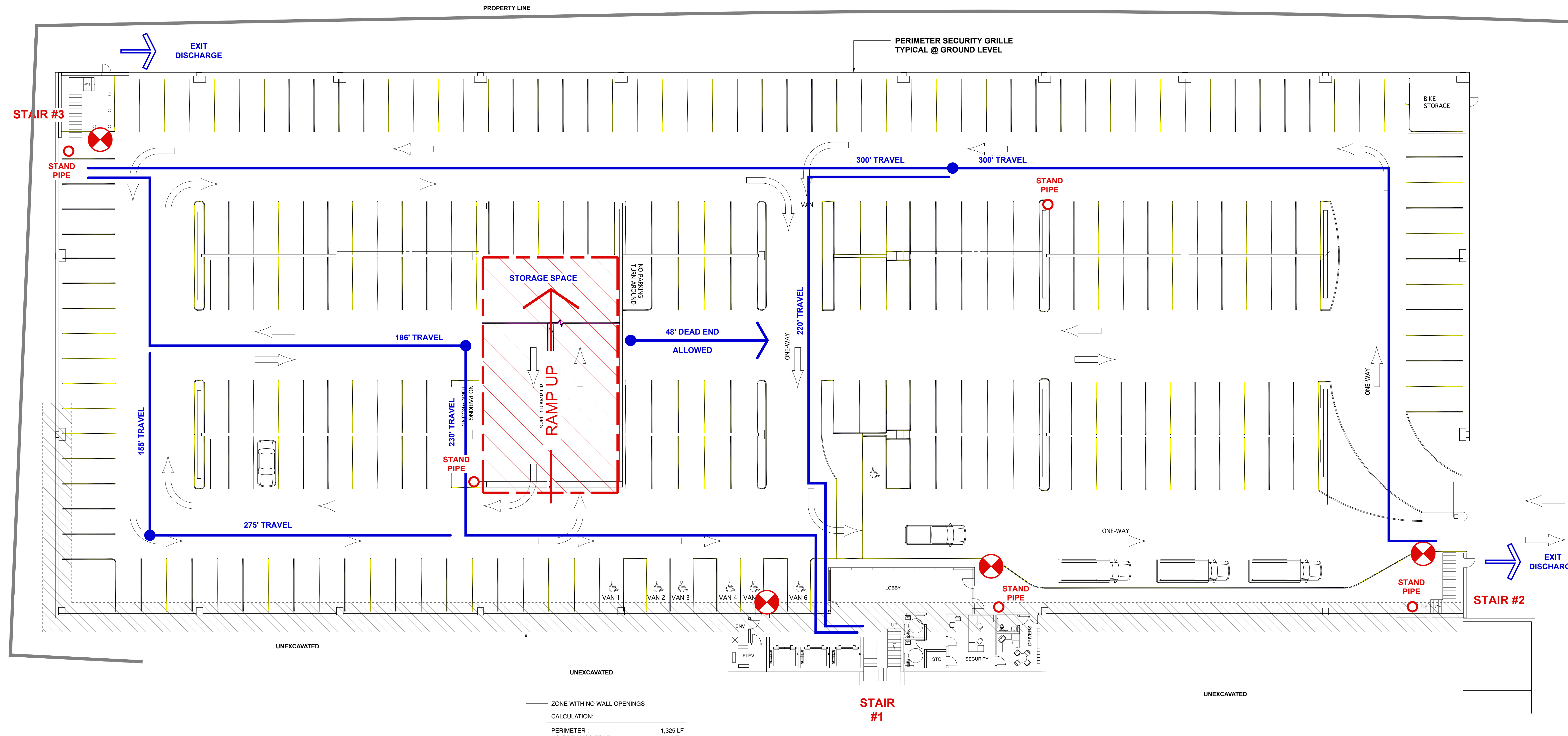
1/8"=1'-0"

Appoint	
Date	
Rev No	

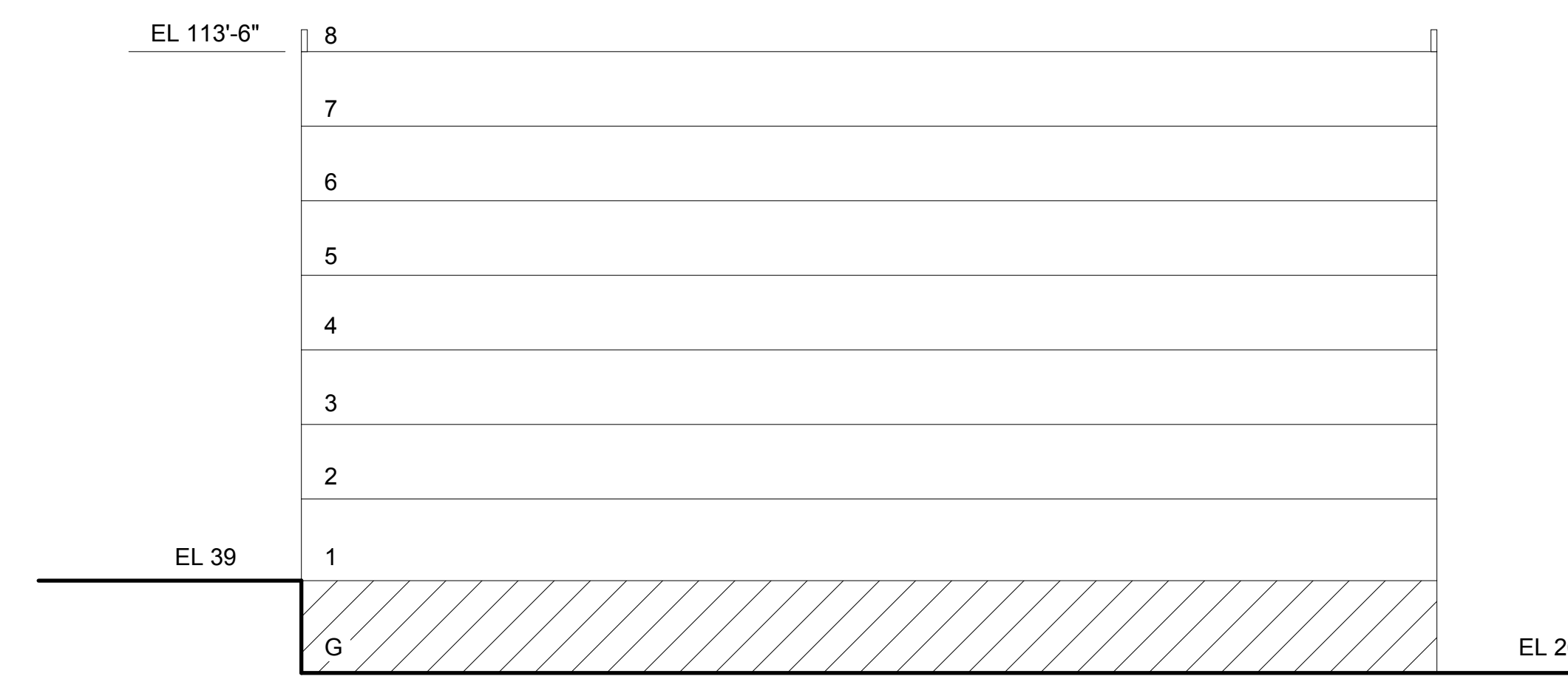
222 ST. JOHN ST PG
PORTLAND, ME
LEVEL III SITE PLAN SUBMITTAL

Designed GG	Scale 1" = 20'-0"
Drawn GG	Date 04.10.2018
Checked JP	Becker Job Number 4070

RAILROAD TRACKS

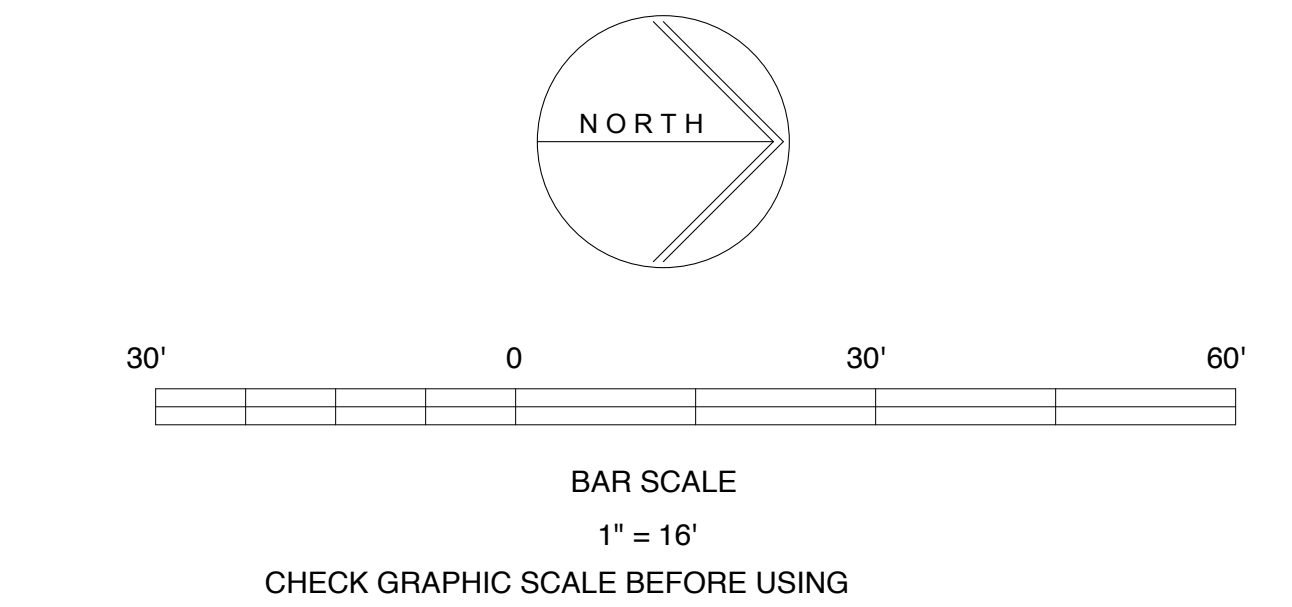


ZONE WITH NO WALL OPENINGS
CALCULATION:
PERIMETER: 1,325 LF
NO OPENINGS ZONE: 577 LF
NO OPENINGS ZONE PERCENTAGE: 43.6%
OPENINGS DISTRIBUTED OVER: 56.4%



GROUND FLOOR CODE INFORMATION PLAN

1" = 20' - 0"



BUILDING CODE SUMMARY
St. John Street Parking Garage
Building Address: Portland, ME

APPLICABLE CODES (Per MUBEC: Maine Uniform Building and Energy Code)
Building: IBC 2015 (International Building Code)
IEBC 2009 (International Existing Building Code)
Electrical: National Electrical Code 2009
Fire Protection: NFPA Life Safety Code 2009 and NFPA 1 Uniform Fire Code 2003
Mechanical: International Mechanical Code 2009 (ISH/MAE 02.1 2007 and 90.1 2007)
Plumbing: Maine State Internal Plumbing Code (LUPC 2009)
Energy: IECC 2009 (International Energy Conservation Code)
Accessibility: ADA 2010 (Americans With Disabilities Act)

PROJECT DESCRIPTION:
New Construction - Open Parking Garage Meets IBC 406.5 and NFPA 101: 3.3.254.6
Proposed Construction Type: Type I B / NFPA II (222)
Gross Area Per Tier: 90,800 +/-
Height: 8 Tiers / 96'-3" (Top of Speed Ramp Roof Double Tees)
Use Group IBC: Open Parking Garage Section 406
Use Group NFPA: Open Parking Garage Chapter 42.8
High Rise Requirements: Exemptions for Parking Garages IBC 403.1
NFPA 101 42.8.4
Automatic Suppression System: No
Dry Standpipe System: Yes

BUILDING CODE REQUIREMENTS (IBC 2015)
Height and Area Summary (Table 406.5.4)
Allowable Height: 12 Tiers
Allowable Area: Unlimited

REQUIRED FIRE RESISTANCE RATINGS
ELEMENT (IBC Table 601/NFPA 101 Table A8.2.1.2) RATING (In Hours)

Primary Structural Frame	2
Bearing Walls:	
Exterior	2
Interior	2
Non-Bearing Walls & Partitions	
Exterior	0
Interior	0
Floor Construction & Secondary Members	2
Roof Construction & Secondary Members	2

SPECIFIC ROOM RATINGS
RATING (In Hours)

Stairs and Floor Openings	0
Parking Open Ramps	0
Offices + Break Room	0
Electrical	0
Mechanical Room	1
Elevator Shaftway	2

EXTERIOR WALL PROTECTION
Wall Fire Resistance Rating (Table 602): 0
(No rating for 10' or greater per Note c.)
Openings Rating (Table 705.8): 0
(No rating for 10' or greater per Note g.)

OCCUPANCY LOADS
NFPA Per Chapter 42.8.1.7: None
IBC Per Table 1004.1.2: 1 Per 200 GSF / 454 Per Tier
Egress Width Required: Stairs @ 0.3" Per Person 137"
Egress Width Provided: 144" (3) 48" Wide Stairs / 152 Persons Each
Stair Exit Door Width Required: 30.4"
Stair Exit Door Width Provided: 32" Clear Door @ Each Stair

OPENNESS CALCULATIONS:
GROUND FLOOR SUMMARY IBC
IBC 2015 SECTION 406.5
GROUND FLOOR WALL AREA: 13,538 SF
GROUND FLOOR NET OPEN AREA: 5,010 SF
OPENNESS RATIO [20% REQD]: 37%
OPENINGS DISTRIBUTED AROUND 56% OF THE PERIMETER [40% REQD]

GROUND FLOOR SUMMARY NFPA
NFPA 101 3.3.254.6
GROUND FLOOR PERIMETER: 1,312 LF
GROUND FLOOR NET OPEN AREA: 5,010 SF
OPEN AREA PER LF [1.4 SF REQD]: 3.7 SF/LF
OPENINGS DISTRIBUTED AROUND 56% OF THE PERIMETER [40% REQD]



Winton Scott Architects
5 Main Street
Portland, Maine 04101
207.774.4811
www.winton-scott.com

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Issued For	RESPONSE TO COMMENTS SUBMISSION
Date	7/24/18
Rev No	A

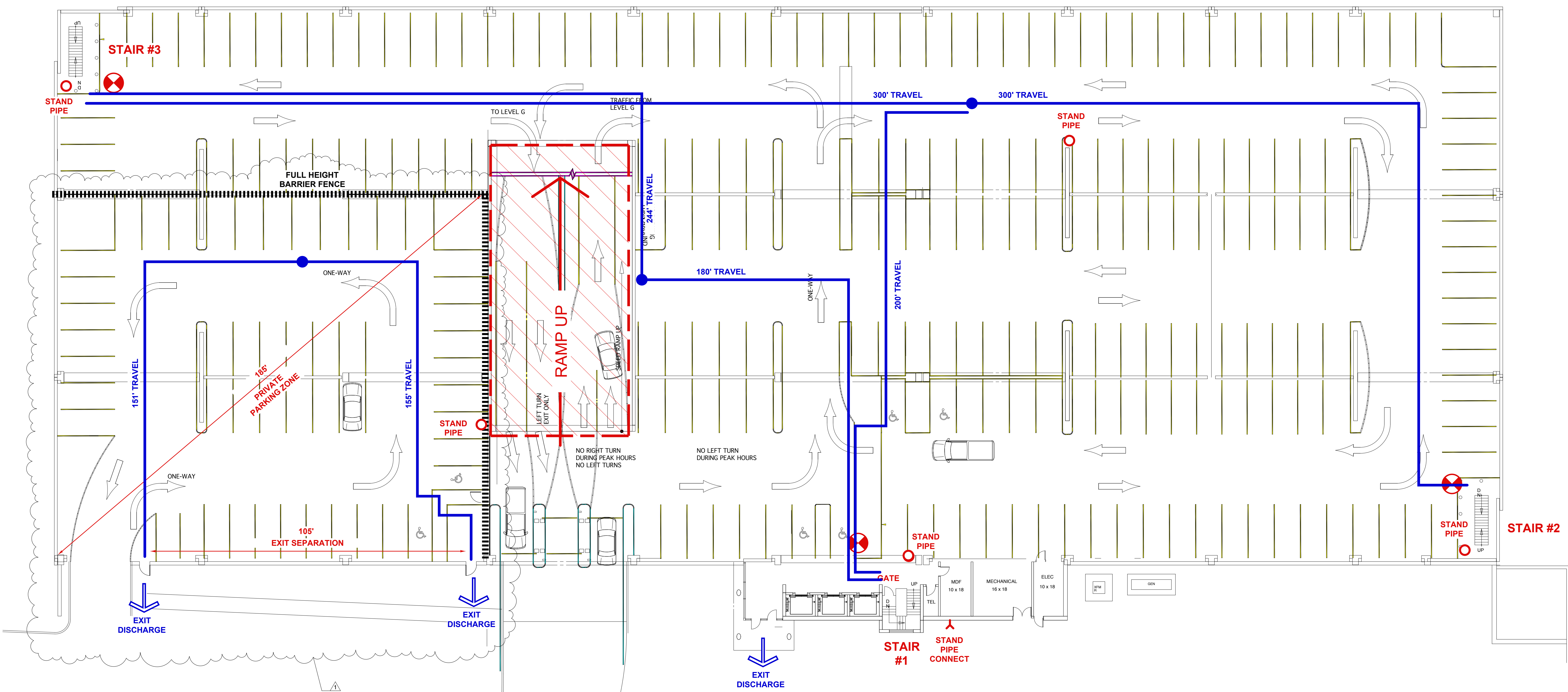
MMC ST. JOHN ST PG
PORTLAND, ME
CODE INFORMATION PLANS

Design	MMW	Date	AS NOTED
Drawn	MMW	Date	6/22/18
Checked	MMW	Reker Job Number	4070.1

G 101

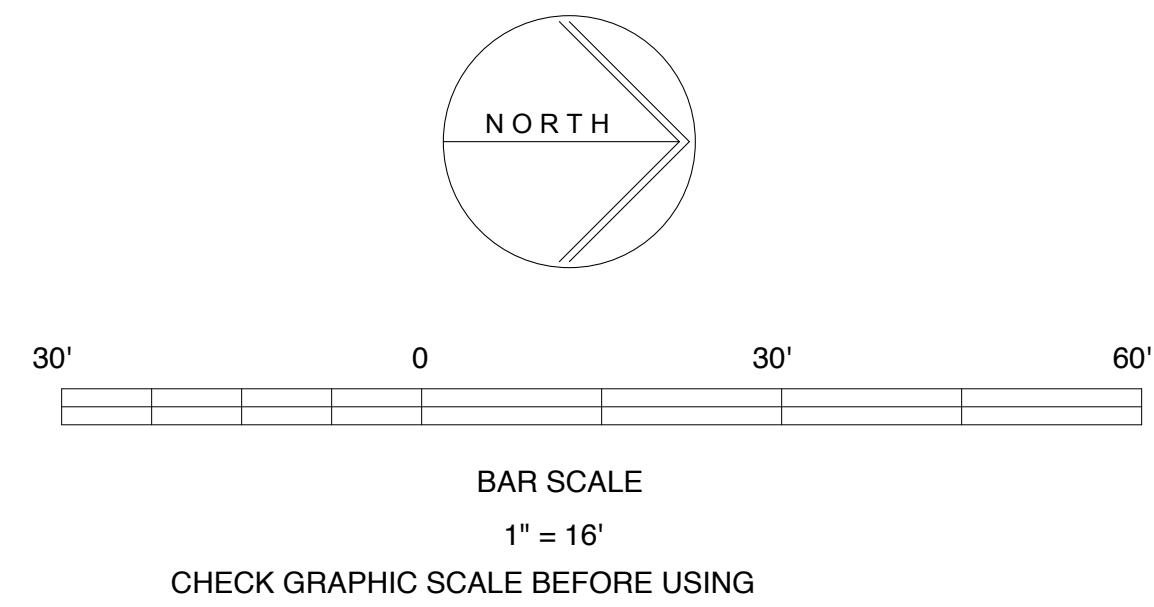
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NOT FOR CONSTRUCTION
LEVEL III SITE PLAN APPLICATION
6 / 22 / 18



FIRST FLOOR CODE INFORMATION PLAN

1" = 20' - 0"



BUILDING CODE SUMMARY

St. John Street Parking Garage
Building Address: Portland, ME

APPLICABLE CODES (Per MUBEC: Maine Uniform Building and Energy Code)

Building: IBC 2015 (International Building Code)
IEBC 2009 (International Existing Building Code)

Electrical: National Electrical Code 2009
Fire Protection: NFPA Life Safety Code 2009 and NFPA 1 Uniform Fire Code 2003
Mechanical: International Mechanical Code 2009 (ISHRAE 62.1 2007 and 90.1 2007)
Plumbing: Maine State Internal Plumbing Code (LUPC 2009)
Energy: IECC 2009 (International Energy Conservation Code)
Accessibility: ADA 2010 (Americans With Disabilities Act)

PROJECT DESCRIPTION:

New Construction - Open Parking Garage Meets IBC 406.5 and NFPA 101: 3.3.254.6
Proposed Construction Type: Type I B / NFPA II (222)
Gross Area Per Tier: 90,800 +/-
Height: 8 Tiers / 96'-3" (Top of Speed Ramp Roof Double Tees)
Use Group IBC: Open Parking Garage Section 406
Use Group NFPA: Open Parking Garage Chapter 42.8
High Rise Requirements: Exemptions for Parking Garages IBC 403.1
NFPA 101 42.8.4

Automatic Suppression System: No
Dry Standpipe System: Yes

BUILDING CODE REQUIREMENTS (IBC 2015)

Height and Area Summary (Table 406.5.4)

Allowable Height: 12 Tiers
Allowable Area: Unlimited

REQUIRED FIRE RESISTANCE RATINGS

ELEMENT (IBC Table 601/NFPA 101 Table A8.2.1.2) RATING (In Hours)

Primary Structural Frame	2
Bearing Walls:	
Exterior	2
Interior	2
Non-Bearing Walls & Partitions	
Exterior	0
Interior	0
Floor Construction & Secondary Members	2
Roof Construction & Secondary Members	2

SPECIFIC ROOM RATINGS

RATING (In Hours)

Stairs and Floor Openings	0
Parking Open Ramps	0
Offices + Break Room	0
Electrical	0
Mechanical Room	1
Elevator Shaftway	2

EXTERIOR WALL PROTECTION

Wall Fire Resistance Rating (Table 602): 0
(No rating for 10' or greater per Note c.)
Openings Rating (Table 705.8): 0
(No rating for 10' or greater per Note g.)

OCCUPANCY LOADS

NFPA Per Chapter 42.8.1.7: None
IBC Per Table 1004.1.2: 1 Per 200 GSF / 454 Per Tier
Egress Width Required - Stairs @ 0.3" Per Person: 137"
Egress Width Provided: 144" (3) 48" Wide Stairs / 152 Persons Each
Stair Exit Door Width Required: 30.4"
Stair Exit Door Width Provided: 32" Clear Door @ Each Stair

OPENNESS CALCULATIONS:

FIRST FLOOR SUMMARY IBC

IBC 2015 SECTION 406.5

GROUND FLOOR WALL AREA: 13,536 SF
GROUND FLOOR NET OPEN AREA: 7,014 SF
OPENNESS RATIO [20% REQD]: 51%

OPENINGS DISTRIBUTED AROUND 92% OF THE PERIMETER [40% REQD]

FIRST FLOOR SUMMARY NFPA

NFPA 101 3.3.254.6

GROUND FLOOR PERIMETER: 1,332 LF
GROUND FLOOR NET OPEN AREA: 7,014 SF
OPEN AREA PER LF [1.4 SF REQD]: 5.2 SF/LF

OPENINGS DISTRIBUTED AROUND 92% OF THE PERIMETER [40% REQD]



Winton Scott Architects
5 Main Street
Portland, Maine 04101
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Date	7/24/18
Rev No	A

MMC ST. JOHN ST PG
PORTLAND, ME
CODE INFORMATION PLANS

Design	MMW	Date	AS NOTED
Drawn	MMW	Date	6/22/18
Checked	MMW	Checker Job Number	4070.1

G 102

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BUILDING CODE SUMMARY

St. John Street Parking Garage
Building Address: Portland, ME

APPLICABLE CODES (Per MUBEC: Maine Uniform Building and Energy Code)

Building	IBC 2015 (International Building Code)
Electrical	IEBC 2009 (International Existing Building Code)
Fire Protection	National Electrical Code 2009
Mechanical	NFPA Life Safety Code 2009 and NFPA 1 Uniform Fire Code 2003
Plumbing	International Mechanical Code 2009 (ISH/IAE 02.1 2007 and 90.1 2007)
Energy	Maine State Internal Plumbing Code (LPC 2009)
Accessibility	IECC 2009 (International Energy Conservation Code)
	ADA 2010 (Americans With Disabilities Act)

PROJECT DESCRIPTION:

New Construction - Open Parking Garage	Meets IBC 406.5 and NFPA 101: 3.3.254.6
Proposed Construction Type:	Type I B / NFPA II (222)
Gross Area Per Tier:	90,800 +/-
Height:	8 Tiers / 96'-3" (Top of Speed Ramp Roof Double Tees)
Use Group IBC:	Open Parking Garage Section 406
Use Group NFPA:	Open Parking Garage Chapter 42.8
High Rise Requirements	Exemptions for Parking Garages
	IBC 403.1
	NFPA 101 42.8.4
Automatic Suppression System	No
Dry Standpipe System	Yes

BUILDING CODE REQUIREMENTS (IBC 2015)

Height and Area Summary (Table 406.5.4)

Allowable Height:	12 Tiers
Allowable Area:	Unlimited

REQUIRED FIRE RESISTANCE RATINGS

ELEMENT (IBC Table 601/NFPA 101 Table A8.2.1.2)	RATING (In Hours)
Primary Structural Frame	2
Bearing Walls:	
Exterior	2
Interior	2
Non-Bearing Walls & Partitions	
Exterior	0
Interior	0
Floor Construction & Secondary Members	2
Roof Construction & Secondary Members	2

SPECIFIC ROOM RATINGS

Room	RATING (In Hours)
Stairs and Floor Openings	0
Parking Open Ramps	0
Offices + Break Room	0
Electrical	0
Mechanical Room	1
Elevator Shaftway	2

EXTERIOR WALL PROTECTION

Wall Fire Resistance Rating (Table 602)	0
Openings Rating (Table 705.8)	0
	(No rating for 10' or greater per Note c.)
	(No rating for 10' or greater per Note g.)

OCCUPANCY LOADS

NFPA Per Chapter 42.8.1.7:	None
IBC Per Table 1004.1.2:	1 Per 200 GSF / 454 Per Tier
Egress Width Required: Stairs @ 0.3" Per Person	137"
Egress Width Provided:	144" (3) 48" Wide Stairs / 152 Persons Each
Stair Exit Door Width Required:	30.4"
Stair Exit Door Width Provided:	32" Clear Door @ Each Stair

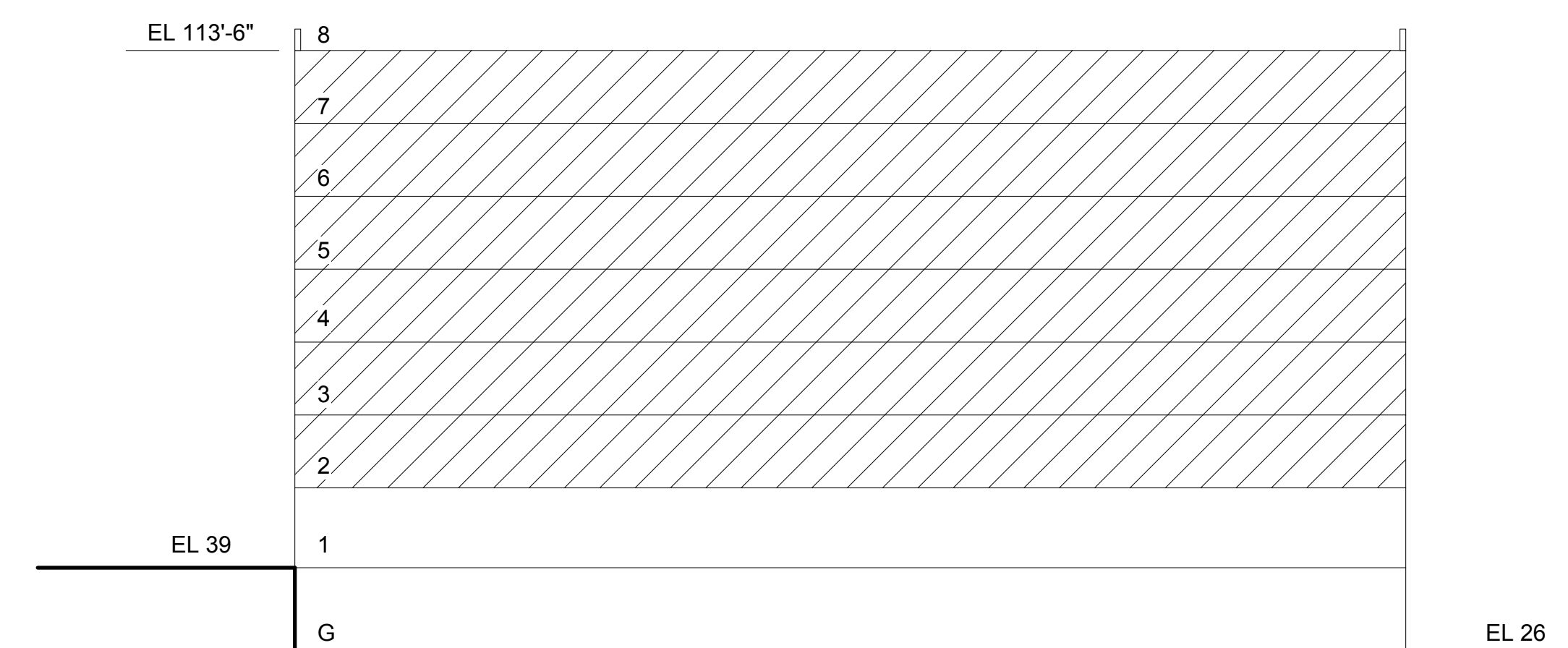
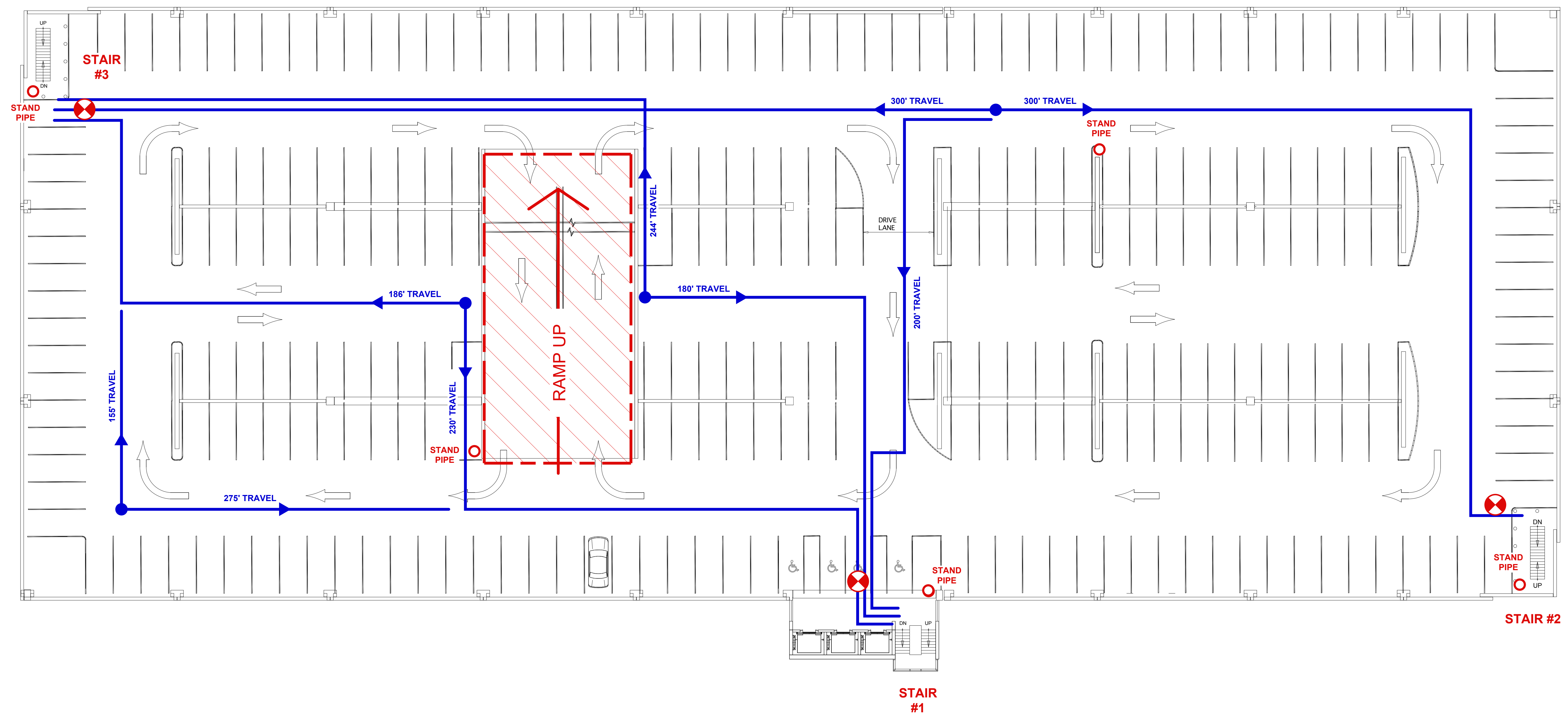
OPENNESS CALCULATIONS:

SECOND FLOOR SUMMARY IBC

IBC 2015 SECTION 406.5	
SECOND FLOOR WALL AREA:	12,538 SF
SECOND FLOOR NET OPEN AREA:	6,592 SF
OPENNESS RATIO (20% REQD)	52%
OPENINGS DISTRIBUTED AROUND 96% OF THE PERIMETER (40% REQD)	

SECOND FLOOR SUMMARY NFPA

NFPA 101 3.3.254.6	
SECOND FLOOR PERIMETER:	1,332 LF
SECOND FLOOR NET OPEN AREA:	6,592 SF
OPEN AREA PER LF [1.4 SF REQD]	4.9 SF/LF
OPENINGS DISTRIBUTED AROUND 96% OF THE PERIMETER (40% REQD)	

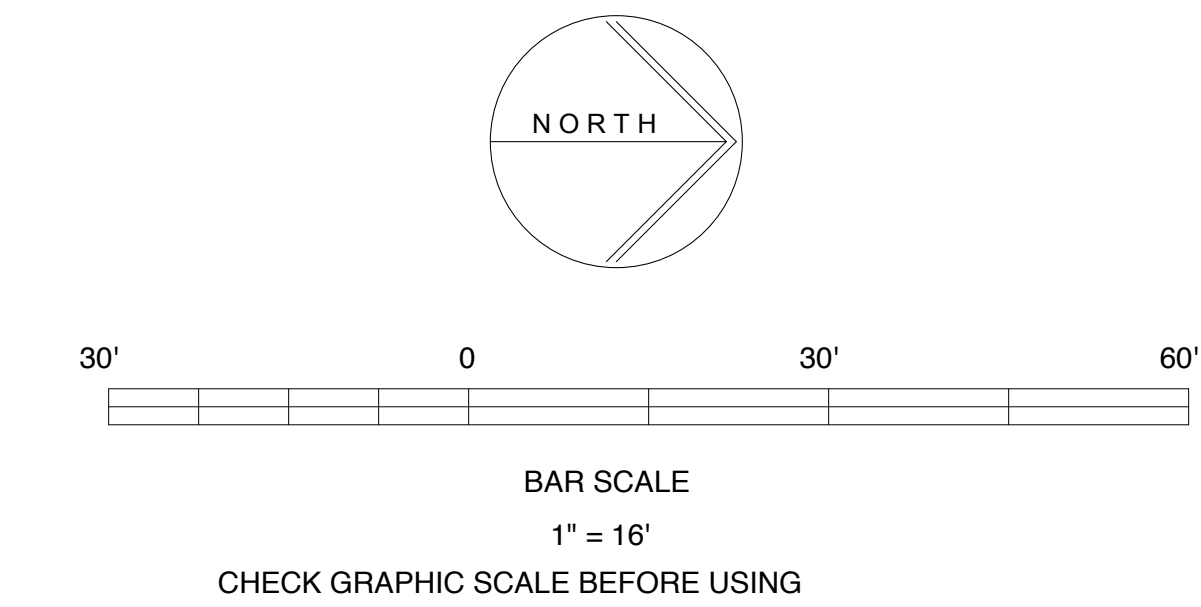


PARKING GARAGE SECTION DIAGRAM

SECOND FLOOR CODE INFORMATION PLAN

1" = 20' - 0"

LEVELS 3 - 8 SIMILAR



NOT FOR CONSTRUCTION
LEVEL III SITE PLAN APPLICATION
6 / 22 / 18

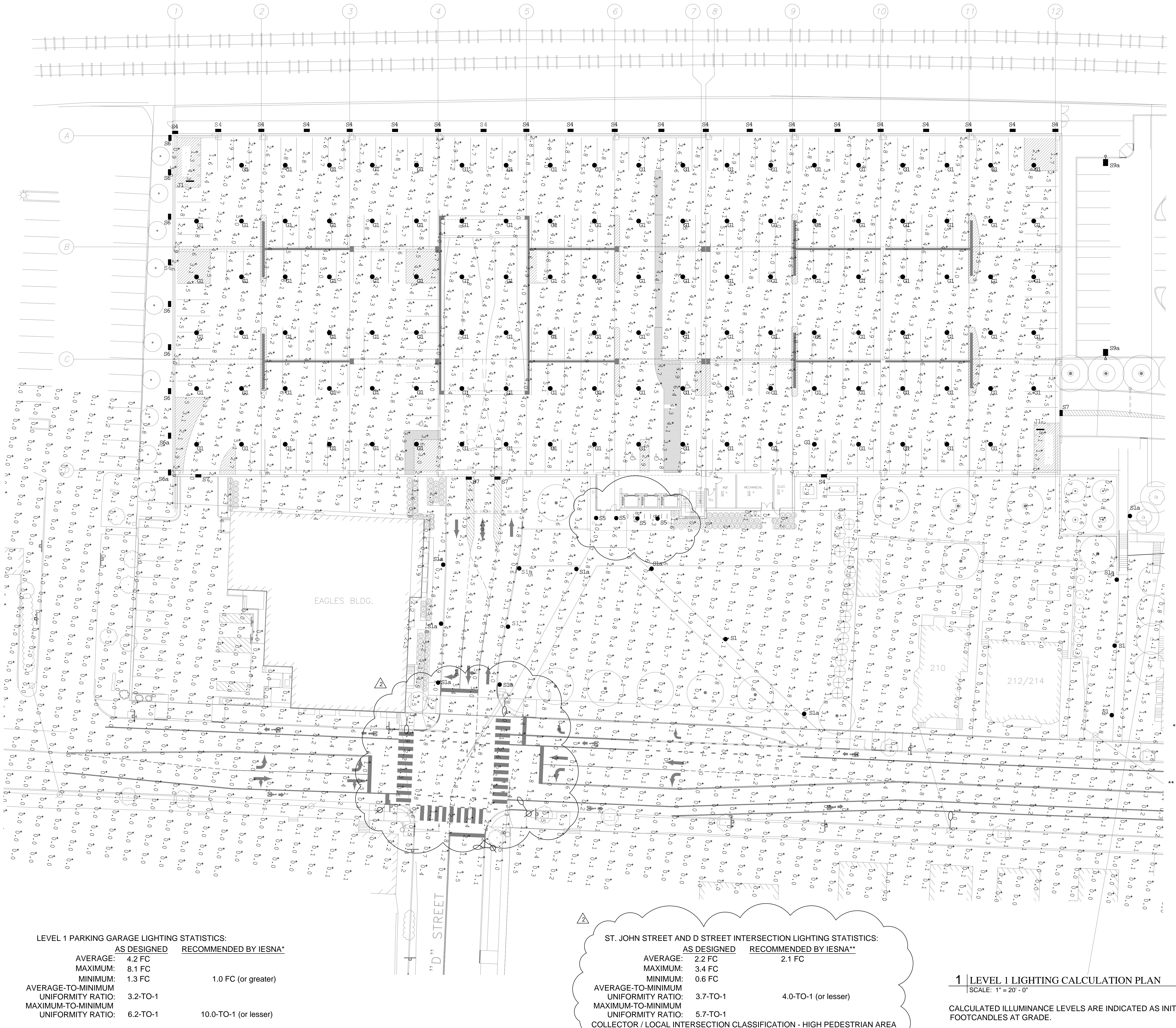
Revised For	AS NOTED
Date	6/22/18
Rev No	4070.1

MMC ST. JOHN ST PG
PORTLAND, ME
CODE INFORMATION PLANS

Design/	Date
MMW	AS NOTED
MMW	6/22/18
Checked	Revised Job Number
MMW	4070.1

G 103

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LEVEL 1 PARKING GARAGE LIGHTING STATISTICS:

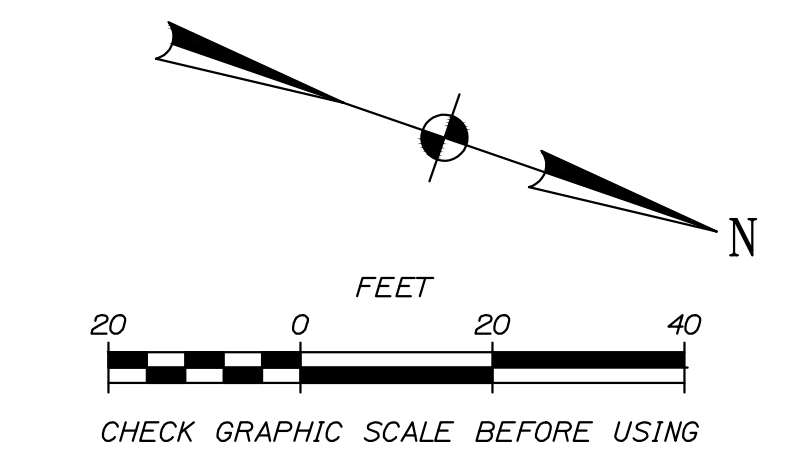
	AS DESIGNED	RECOMMENDED BY IESNA*
AVERAGE:	4.2 FC	1.0 FC (or greater)
MAXIMUM:	8.1 FC	
MINIMUM:	1.3 FC	
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	3.2-TO-1	
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	6.2-TO-1	10.0-TO-1 (or lesser)

ST. JOHN STREET AND D STREET INTERSECTION LIGHTING STATISTICS:

	AS DESIGNED	RECOMMENDED BY IESNA**
AVERAGE:	2.2 FC	2.1 FC
MAXIMUM:	3.4 FC	
MINIMUM:	0.6 FC	
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	3.7-TO-1	4.0-TO-1 (or lesser)
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	5.7-TO-1	

COLLECTOR / LOCAL INTERSECTION CLASSIFICATION - HIGH PEDESTRIAN AREA

1 LEVEL 1 LIGHTING CALCULATION PLAN
 SCALE: 1" = 20'-0"
 CALCULATED ILLUMINANCE LEVELS ARE INDICATED AS INITIAL FOOTCANDLES AT GRADE.



NOT FOR CONSTRUCTION
 LEVEL III SITE PLAN APPLICATION
 8/23/18

LEVEL 1 GARAGE PLAN SHOWN

- * RECOMMENDED ILLUMINANCE LEVELS ARE PUBLISHED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA IN RP-20-14 LIGHTING FOR PARKING FACILITIES.
- ** RECOMMENDED ILLUMINANCE LEVELS ARE PUBLISHED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA IN RP-8-14 ROADWAY LIGHTING.

Rev. No.	Date	Issued For	Response to Comments
1	7/24/18		Response to Comments
2	8/23/18		Response to Comments

Designed LEB	Scale 1"=20'-0"
Drawn LEB	Date 08/23/18
Checked LEB	Becker Job Number 4070



ST. JOHN STREET & C STREET INTERSECTION LIGHTING STATISTICS:

	AS DESIGNED	RECOMMENDED BY IESNA*
AVERAGE:	2.1 FC	2.1 FC
MAXIMUM:	3.3 FC	
MINIMUM:	0.9 FC	
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	2.4-TO-1	4.0-TO-1 (or lesser)
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	4.2-TO-1	

COLLECTOR / LOCAL INTERSECTION CLASSIFICATION - HIGH PEDESTRIAN AREA

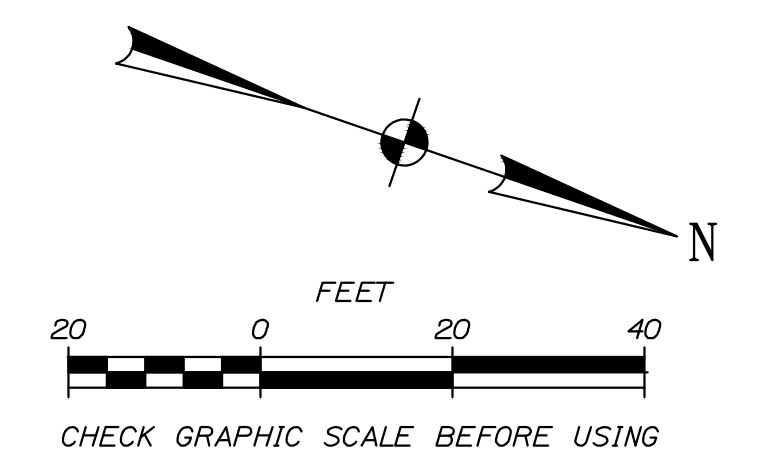
ST. JOHN STREET & GARAGE ENTRANCE/EXIT LIGHTING STATISTICS:

	AS DESIGNED	RECOMMENDED BY IESNA*
AVERAGE:	2.0 FC	2.1 FC
MAXIMUM:	3.3 FC	
MINIMUM:	0.8 FC	
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	2.5-TO-1	4.0-TO-1 (or lesser)
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	4.1-TO-1	

COLLECTOR / LOCAL INTERSECTION CLASSIFICATION - HIGH PEDESTRIAN AREA

LEVEL 1 GARAGE PLAN SHOWN

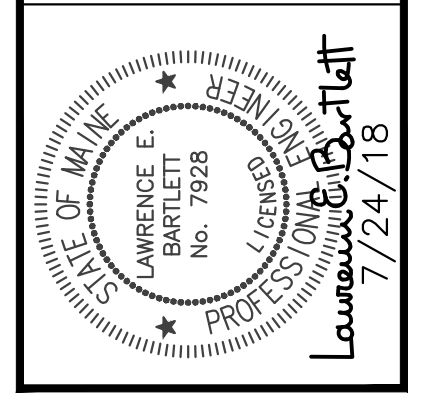
- * RECOMMENDED ILLUMINANCE LEVELS ARE PUBLISHED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA IN RP-8-14 ROADWAY LIGHTING.
- ** RECOMMENDED ILLUMINANCE LEVELS ARE PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS IN ROADWAY LIGHTING DESIGN GUIDE 1984.



1 | LEVEL 1 LIGHTING CALCULATION PLAN
SCALE: 1" = 20'-0"

CALCULATED ILLUMINANCE LEVELS ARE INDICATED AS INITIAL FOOTCANDLES AT GRADE.

NOT FOR CONSTRUCTION
LEVEL III SITE PLAN APPLICATION
7/24/18



Appoint	
Date	
Rev. No.	

222 ST. JOHN ST PG
PORTLAND, ME
SITE LTG. CALCULATION PLAN - 2

Designed LEB	Scale 1" = 20'-0"
Drawn LEB	Date 07/16/18
Checked LEB	Project Job Number 4070

E0.2



GRADE LEVEL PARKING GARAGE LIGHTING STATISTICS:

	AS DESIGNED	RECOMMENDED BY THE IESNA*
AVERAGE:	3.9 FC	
MAXIMUM:	8.6 FC	
MINIMUM:	1.1 FC	1.0 FC (or greater)
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	3.5-TO-1	
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	7.8-TO-1	10.0 -TO-1 (or lesser)

NORTH PARKING LIGHTING STATISTICS:

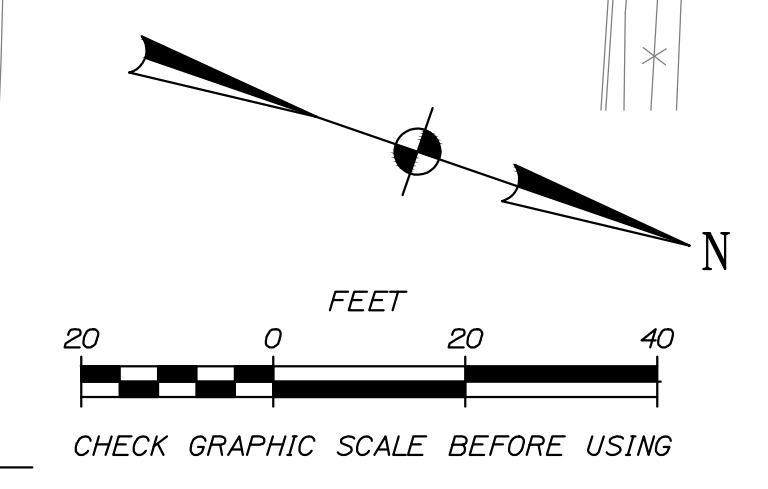
	AS DESIGNED	RECOMMENDED BY THE IESNA*
AVERAGE:	1.9 FC	
MAXIMUM:	2.6 FC	
MINIMUM:	0.6 FC	0.5 FC (or greater)
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	3.1-TO-1	4.0-TO-1 (or lesser)
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	4.3-TO-1	15.0 -TO-1 (or lesser)

GRADE LEVEL GARAGE PLAN SHOWN

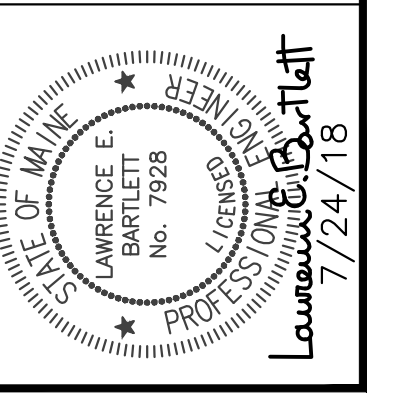
* RECOMMENDED ILLUMINANCE LEVELS ARE PUBLISHED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA IN RP-20-14 LIGHTING FOR PARKING FACILITIES.

1 GRADE LEVEL LIGHTING CALCULATION PLAN
SCALE: 1" = 20'-0"

CALCULATED ILLUMINANCE LEVELS ARE INDICATED AS INITIAL FOOTCANDLES AT GRADE.



NOT FOR CONSTRUCTION
LEVEL III SITE PLAN APPLICATION
7/24/18



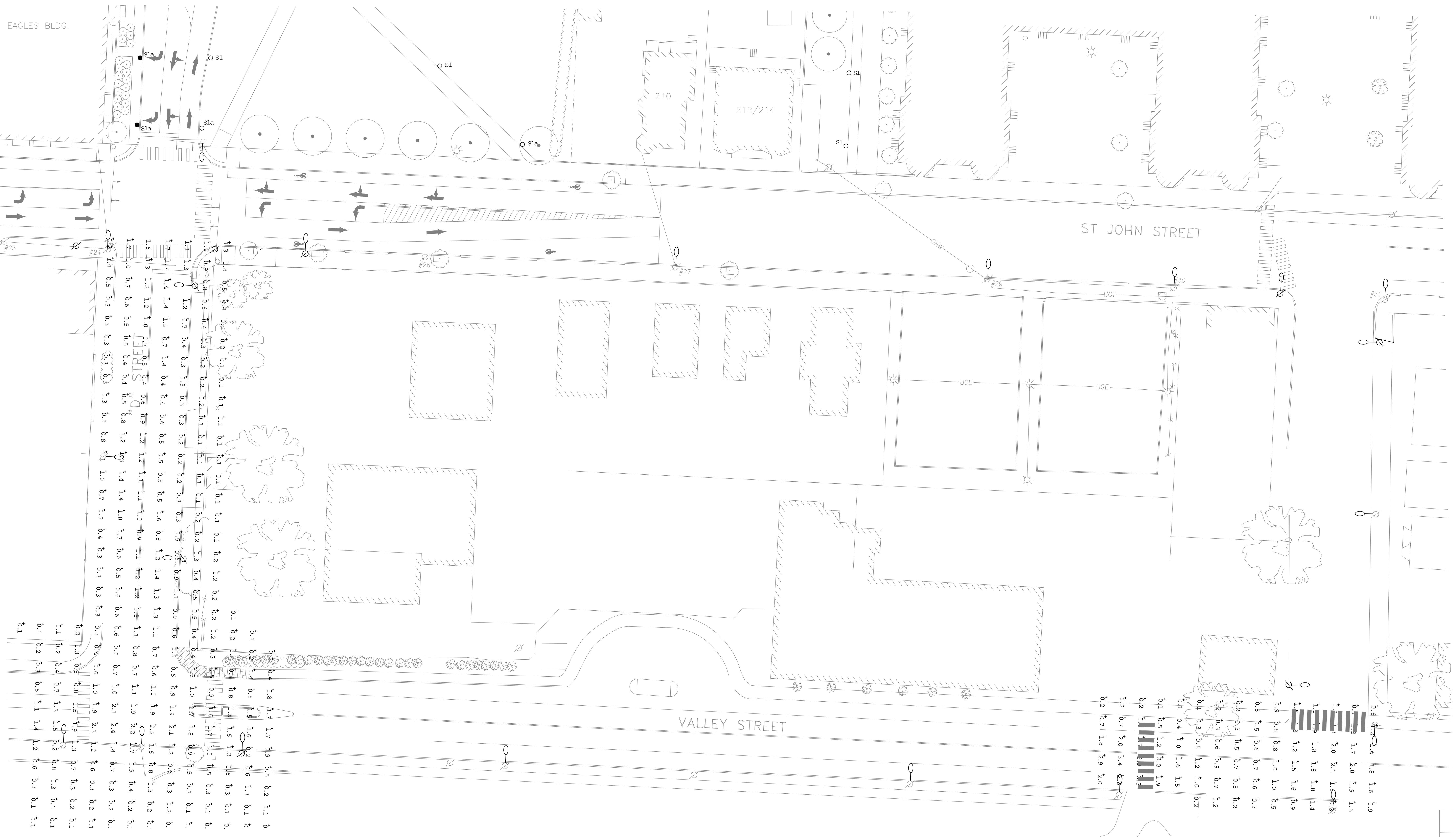
Appr'd	
Date	
Rev. No.	

222 ST. JOHN ST PG
PORTLAND, ME

SITE LTG. CALCULATION PLAN - 3

Designed LEB	Scale 1" = 20'-0"
Drawn LEB	Date 07/16/18
Checked LEB	Project Job Number 4070

E0.3



D STREET LIGHTING STATISTICS:

	AS DESIGNED	RECOMMENDED BY AASHTO**
AVERAGE:	0.9 FC	0.8 FC
MAXIMUM:	1.1 FC	
MINIMUM:	0.6 FC	
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	1.5-TO-1	6.0-TO-1 (or lesser)
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	1.8-TO-1	

LOCAL COMMERCIAL ROADWAY CLASSIFICATION

C STREET / VALLEY STREET INTERSECTION LIGHTING STATISTICS:

	AS DESIGNED	RECOMMENDED BY IESNA**
AVERAGE:	1.6 FC	1.4 FC
MAXIMUM:	2.1 FC	
MINIMUM:	0.8 FC	
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	1.9-TO-1	6.0-TO-1 (or lesser)
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	2.6-TO-1	

LOCAL / LOCAL INTERSECTION CLASSIFICATION

D STREET / VALLEY STREET INTERSECTION LIGHTING STATISTICS:

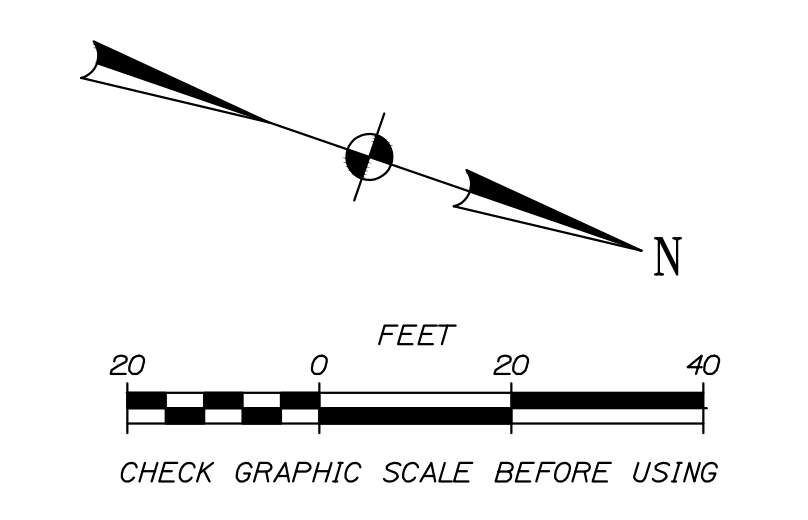
	AS DESIGNED	RECOMMENDED BY IESNA**
AVERAGE:	1.5 FC	1.4 FC
MAXIMUM:	2.4 FC	
MINIMUM:	0.6 FC	
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	2.4-TO-1	6.0-TO-1 (or lesser)
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	4.0-TO-1	

LOCAL / LOCAL INTERSECTION CLASSIFICATION

** RECOMMENDED ILLUMINANCE LEVELS ARE PUBLISHED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA IN RP-8-14 ROADWAY LIGHTING.

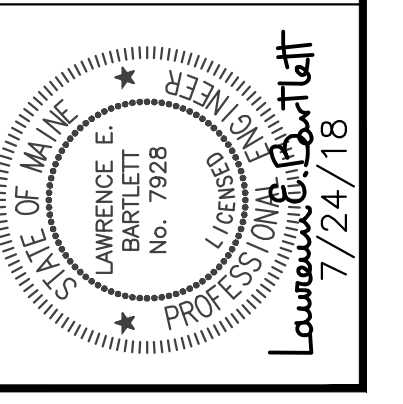
*** RECOMMENDED ILLUMINANCE LEVELS ARE PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS IN ROADWAY LIGHTING DESIGN GUIDE 1984.

- OFF-SITE PROJECT IMPROVEMENTS:**
- NEW SIDEWALK ALONG D STREET
 - NEW CROSSWALK AT THE INTERSECTION OF D STREET AND VALLEY STREET
 - NEW CROSSWALK AT THE INTERSECTION OF C STREET AND VALLEY STREET



1 "D" STREET & "C" STREET LIGHTING CALCULATION PLAN
 SCALE: 1" = 20'-0"
 CALCULATED ILLUMINANCE LEVELS ARE INDICATED AS INITIAL FOOTCANDLES AT GRADE.

NOT FOR CONSTRUCTION
 LEVEL III SITE PLAN APPLICATION
 07/24/18

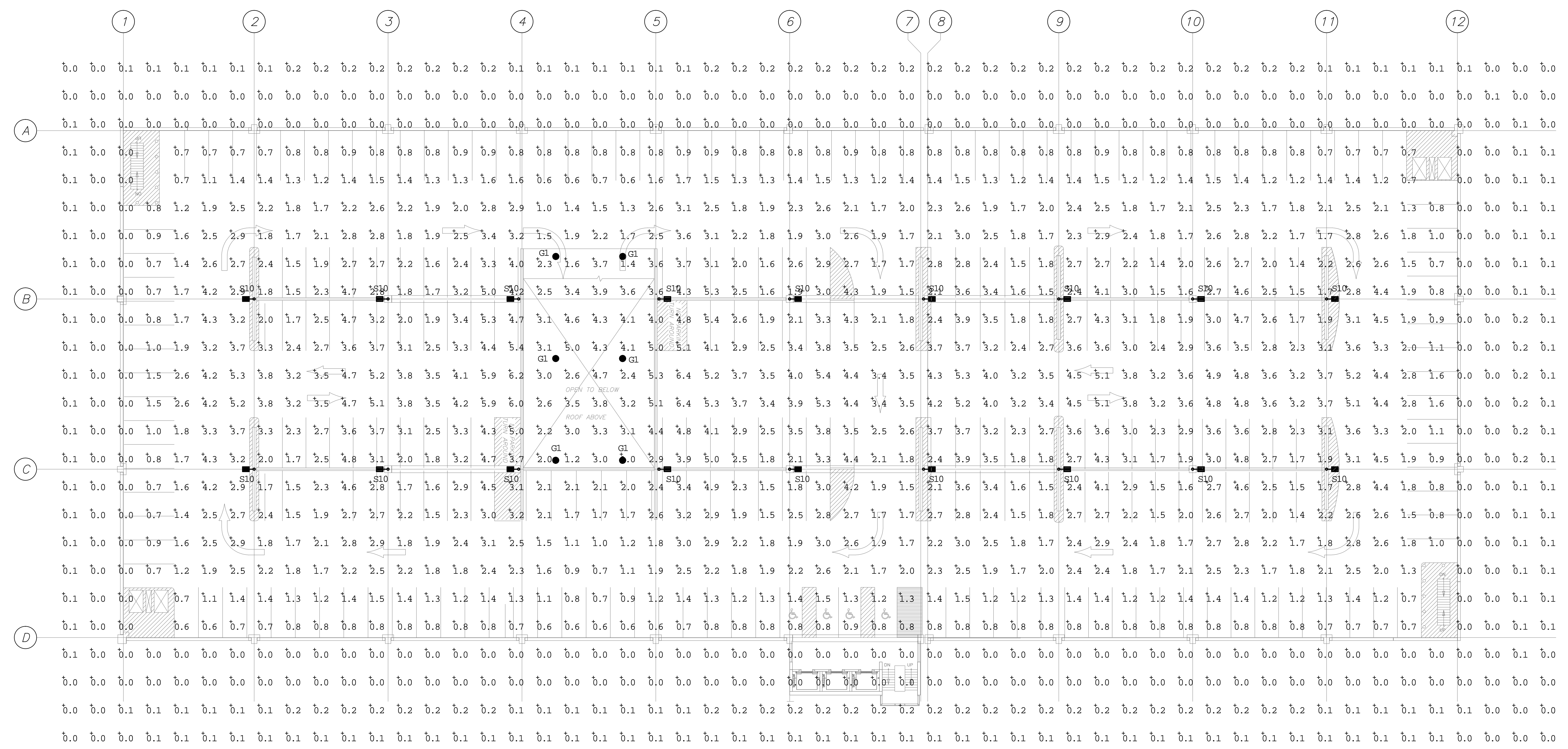
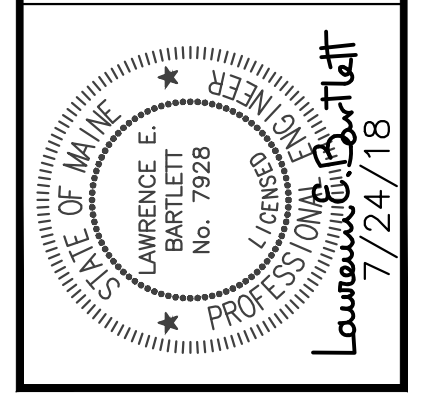


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Date	
Rev. No.	

222 ST. JOHN ST PG
 PORTLAND, ME
 SITE LIGHTING CALCULATION PLAN - 4

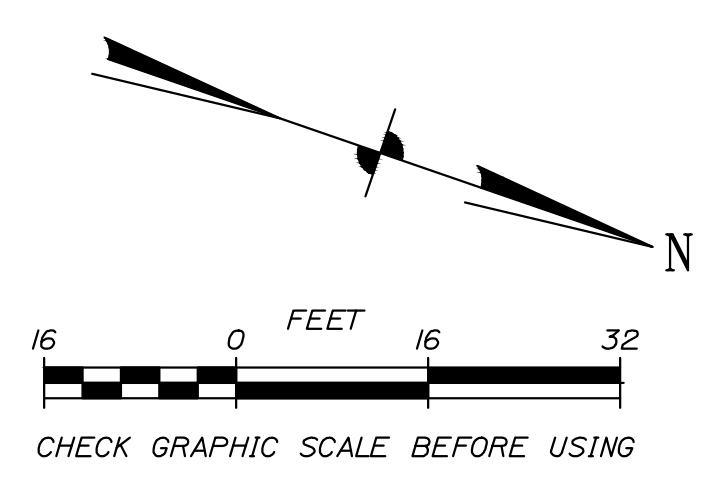
Designed LEB	Scale 1" = 20'-0"
Drawn LEB	Date 7/16/18
Checked LEB	Checker Job Number 4070

E0.4



ROOF DECK PARKING LIGHTING STATISTICS:

	AS DESIGNED	RECOMMENDED BY IESNA*
AVERAGE:	2.4 FC	
MAXIMUM:	6.4 FC	
MINIMUM:	0.6 FC	0.5 FC (or greater)
AVERAGE-TO-MINIMUM UNIFORMITY RATIO:	4.0-TO-1	4.0-TO-1 (or lesser)
MAXIMUM-TO-MINIMUM UNIFORMITY RATIO:	10.7-TO-1	15.0-TO-1 (or lesser)



1 | ROOF DECK LIGHTING CALCULATION PLAN
SCALE: 1/16" = 1'-0"

CALCULATED ILLUMINANCE LEVELS ARE INDICATED AS INITIAL FOOTCANDLES AT THE ROOF DECK.

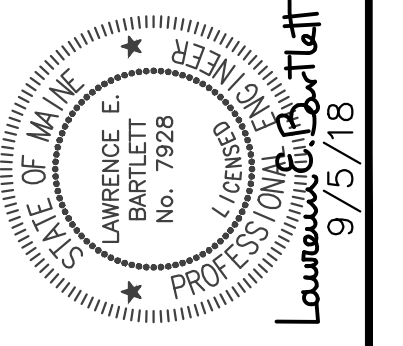
NOT FOR CONSTRUCTION
LEVEL III SITE PLAN APPLICATION
7/24/18

Appr	
Drawn	
Date	
Rev	

222 ST. JOHN ST PG
PORTLAND, ME
ROOF DECK LIGHTING CALCULATION PLAN

Designed LEB	Scale 1"=16'-0"
Drawn LEB	Date 07/16/18
Checked LEB	Checker Job Number 4070

E0.5

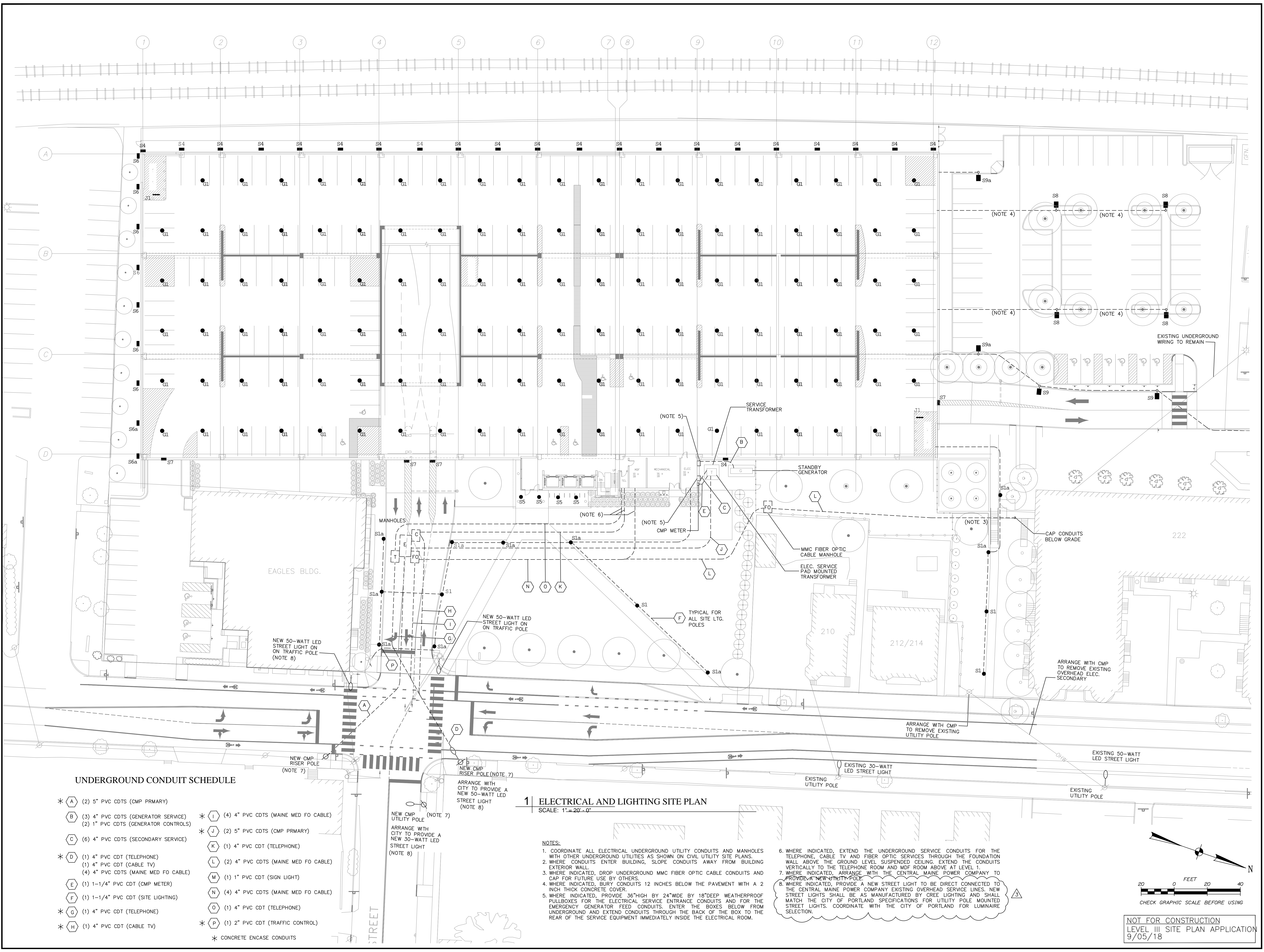


Rev No	Date	Issued For
1	7/24/18	Response to Comments
2	8/23/18	Response to Comments
3	9/5/18	Response to Comments

MMC ST. JOHN ST PG
PORTLAND, ME
ELECTRICAL SITE PLAN - 1

Designed	Scale
LEB	AS NOTED
Drawn	Date
LEB	8/23/18
Checked	Sheet Job Number
LEB	4070

E1.1

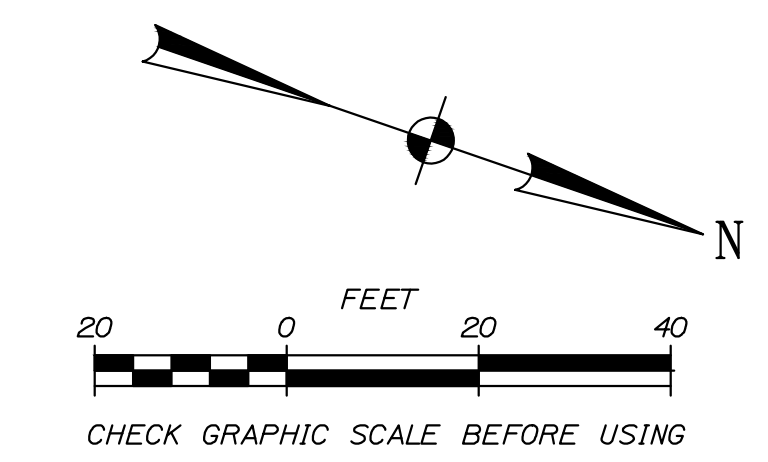


UNDERGROUND CONDUIT SCHEDULE

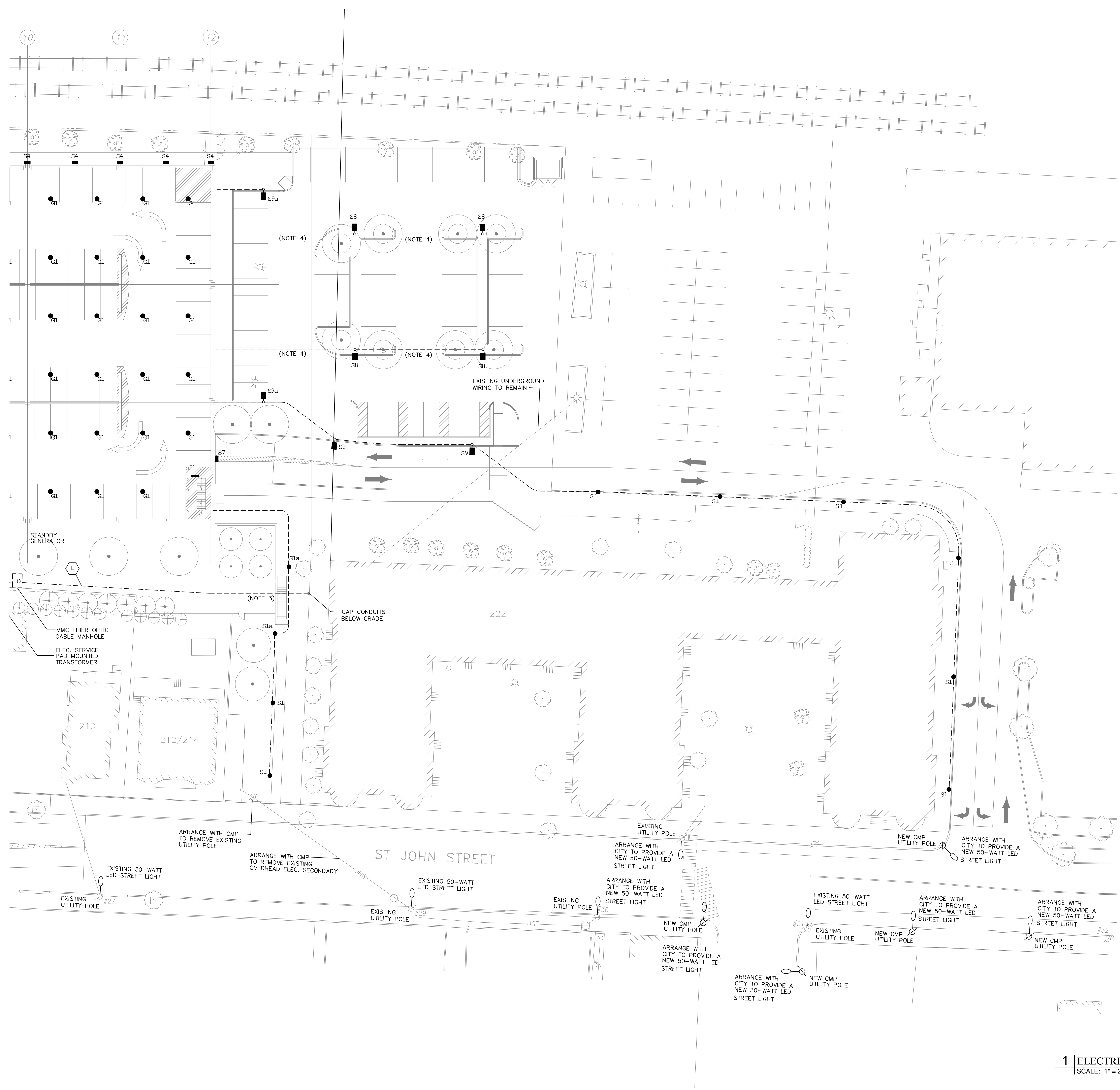
- * (A) (2) 5" PVC CDTs (CMP PRIMARY)
- * (B) (3) 4" PVC CDTs (GENERATOR SERVICE)
(2) 1" PVC CDTs (GENERATOR CONTROLS)
- * (C) (6) 4" PVC CDTs (SECONDARY SERVICE)
- * (D) (1) 4" PVC CDT (TELEPHONE)
(1) 4" PVC CDT (CABLE TV)
(4) 4" PVC CDTs (MAINE MED FO CABLE)
- * (E) (1) 1-1/4" PVC CDT (CMP METER)
- * (F) (1) 1-1/4" PVC CDT (SITE LIGHTING)
- * (G) (1) 4" PVC CDT (TELEPHONE)
- * (H) (1) 4" PVC CDT (CABLE TV)
- * (I) (4) 4" PVC CDTs (MAINE MED FO CABLE)
- * (J) (2) 5" PVC CDTs (CMP PRIMARY)
- * (K) (1) 4" PVC CDT (TELEPHONE)
- * (L) (2) 4" PVC CDTs (MAINE MED FO CABLE)
- * (M) (1) 1" PVC CDT (SIGN LIGHT)
- * (N) (4) 4" PVC CDTs (MAINE MED FO CABLE)
- * (O) (1) 4" PVC CDT (TELEPHONE)
- * (P) (1) 2" PVC CDT (TRAFFIC CONTROL)
- * CONCRETE ENCASE CONDUITS

1 ELECTRICAL AND LIGHTING SITE PLAN
SCALE: 1" = 20'-0"

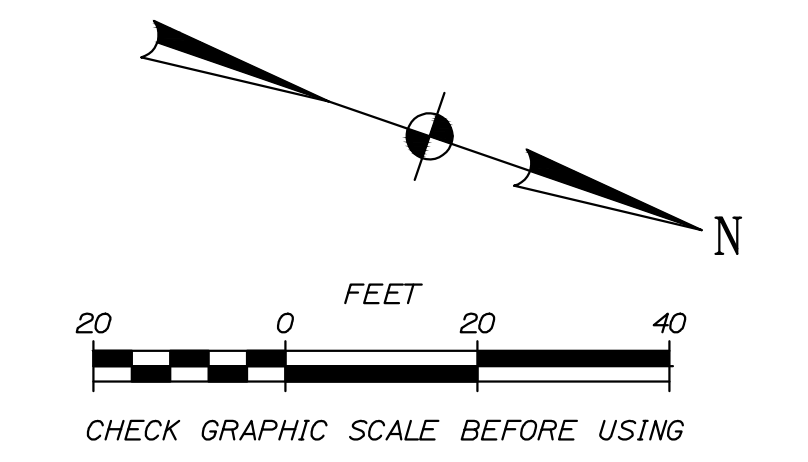
- NOTES:**
- COORDINATE ALL ELECTRICAL UNDERGROUND UTILITY CONDUITS AND MANHOLES WITH OTHER UNDERGROUND UTILITIES AS SHOWN ON CIVIL UTILITY SITE PLANS.
 - WHERE CONDUITS ENTER BUILDING, SLOPE CONDUITS AWAY FROM BUILDING EXTERIOR WALL.
 - WHERE INDICATED, DROP UNDERGROUND MMC FIBER OPTIC CABLE CONDUITS AND CAP FOR FUTURE USE BY OTHERS.
 - WHERE INDICATED, BURY CONDUITS 12 INCHES BELOW THE PAVEMENT WITH A 2 INCH THICK CONCRETE COVER.
 - WHERE INDICATED, PROVIDE 36" HIGH BY 24" WIDE BY 18" DEEP WEATHERPROOF PULLBOXES FOR THE ELECTRICAL SERVICE ENTRANCE CONDUITS AND FOR THE EMERGENCY GENERATOR FEED CONDUITS. ENTER THE BOXES BELOW FROM UNDERGROUND AND EXTEND CONDUITS THROUGH THE BACK OF THE BOX TO THE REAR OF THE SERVICE EQUIPMENT IMMEDIATELY INSIDE THE ELECTRICAL ROOM.
 - WHERE INDICATED, EXTEND THE UNDERGROUND SERVICE CONDUITS FOR THE TELEPHONE, CABLE TV AND FIBER OPTIC SERVICES THROUGH THE FOUNDATION WALL ABOVE THE GROUND LEVEL SUSPENDED CEILING. EXTEND THE CONDUITS VERTICALLY TO THE TELEPHONE ROOM AND MDF ROOM ABOVE AT LEVEL 1.
 - WHERE INDICATED, ARRANGE WITH THE CENTRAL MAINE POWER COMPANY TO PROVIDE A NEW UTILITY POLE.
 - WHERE INDICATED, PROVIDE A NEW STREET LIGHT TO BE DIRECT CONNECTED TO THE CENTRAL MAINE POWER COMPANY EXISTING OVERHEAD SERVICE LINES. NEW STREET LIGHTS SHALL BE AS MANUFACTURED BY CREE LIGHTING AND SHALL MATCH THE CITY OF PORTLAND SPECIFICATIONS FOR UTILITY POLE MOUNTED STREET LIGHTS. COORDINATE WITH THE CITY OF PORTLAND FOR LUMINAIRE SELECTION.



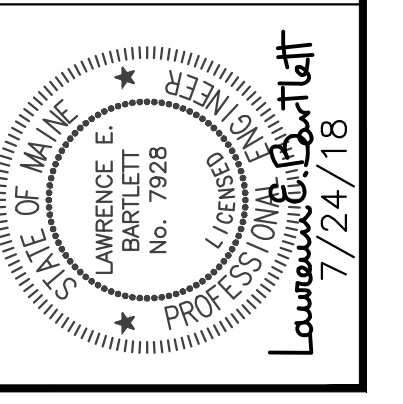
NOT FOR CONSTRUCTION
LEVEL III SITE PLAN APPLICATION
9/05/18



1 | ELECTRICAL AND LIGHTING SITE PLAN
SCALE: 1" = 20' - 0"



NOT FOR CONSTRUCTION
LEVEL III SITE PLAN SUBMISSION
07/24/18

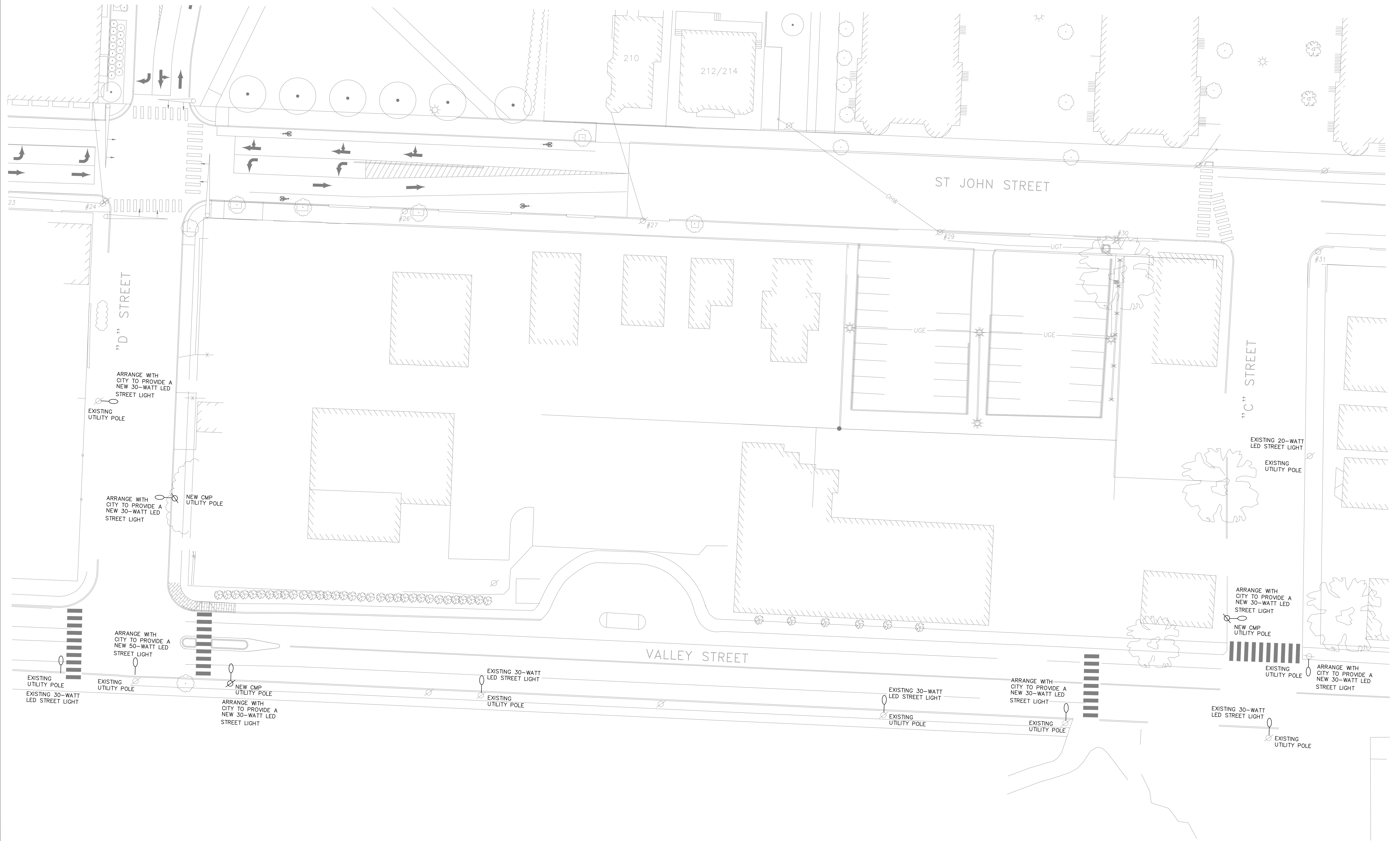


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Date	
Rev. No.	

222 ST. JOHN ST PG
PORTLAND, ME
ELECTRICAL SITE PLAN - 2

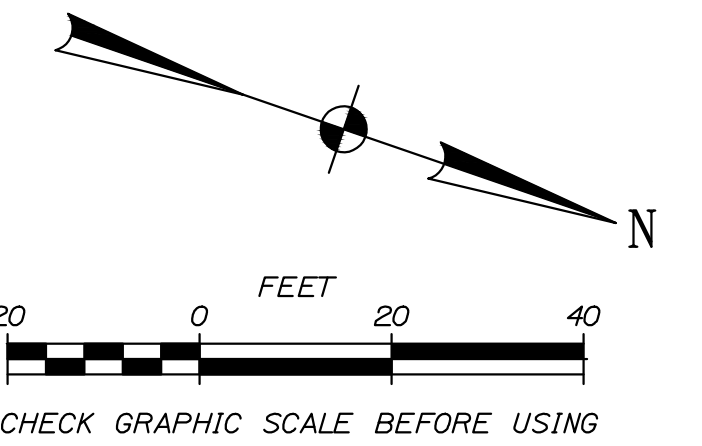
Designed LEB	Scale 1" = 20'-0"
Drawn LEB	Date 7/16/18
Checked LEB	Checker Job Number 4070

E1.2



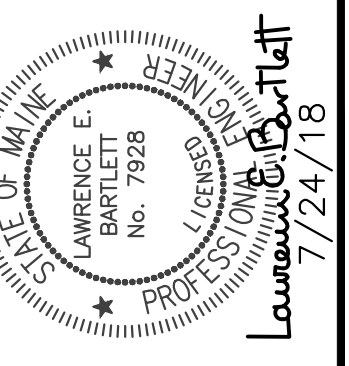
NOTES:
 1. ALL WORK SHOWN SHALL BE QUOTED UNDER AN ALTERNATE BID. INFORMATION SHOWN IS FOR PRICING ONLY AND NOT FOR CONSTRUCTION.

OFF-SITE PROJECT IMPROVEMENTS:
 NEW SIDEWALK ALONG D STREET
 NEW CROSSWALK AT THE INTERSECTION OF D STREET AND VALLEY STREET
 NEW CROSSWALK AT THE INTERSECTION OF C STREET AND VALLEY STREET



1 | ELECTRICAL AND LIGHTING SITE PLAN
 SCALE: 1" = 20' - 0"

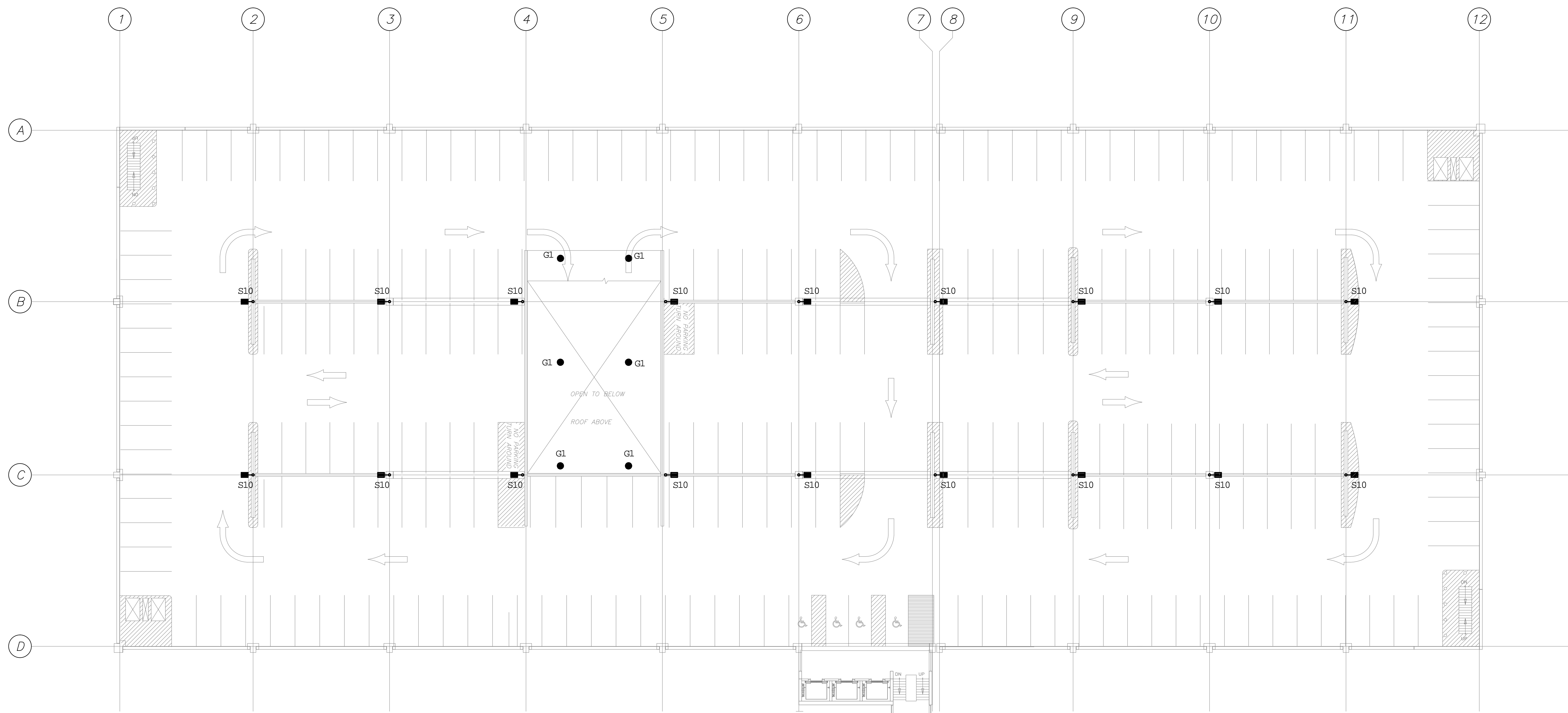
NOT FOR CONSTRUCTION
 LEVEL III SITE PLAN SUBMISSION
 07/24/18



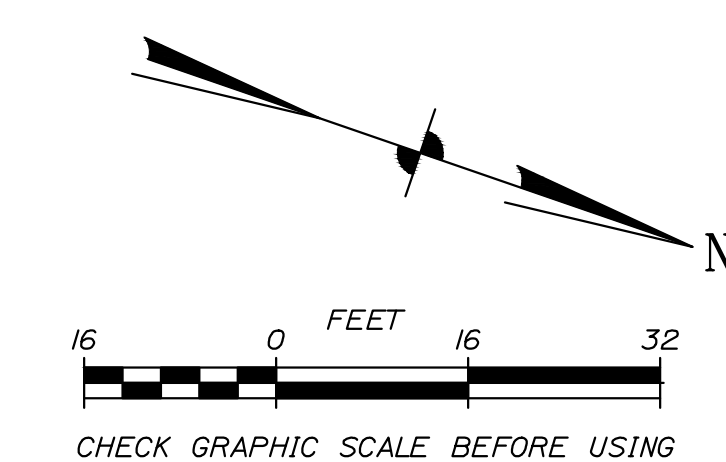
Project No.	
Client	
Date	
Sheet No.	

222 ST. JOHN ST PG
 PORTLAND, ME
 ELECTRICAL SITE PLAN - 3

Designed LEB	Scale 1" = 20'-0"
Drawn LEB	Date 7/16/18
Checked LEB	Checker Job Number 4070



1 | ROOF DECK ELECTRICAL PLAN
SCALE: 1/16" = 1' - 0"



NOT FOR CONSTRUCTION
LEVEL III SITE PLAN SUBMISSION
7/24/18

Sheet No.	
Date	
Issued For	

222 ST. JOHN ST PG
PORTLAND, ME
ROOF DECK ELECTRICAL PLAN

Designed LEB	Scale 1" = 16'-0"
Drawn LEB	Date 07/16/18
Checked LEB	Becker Job Number 4070