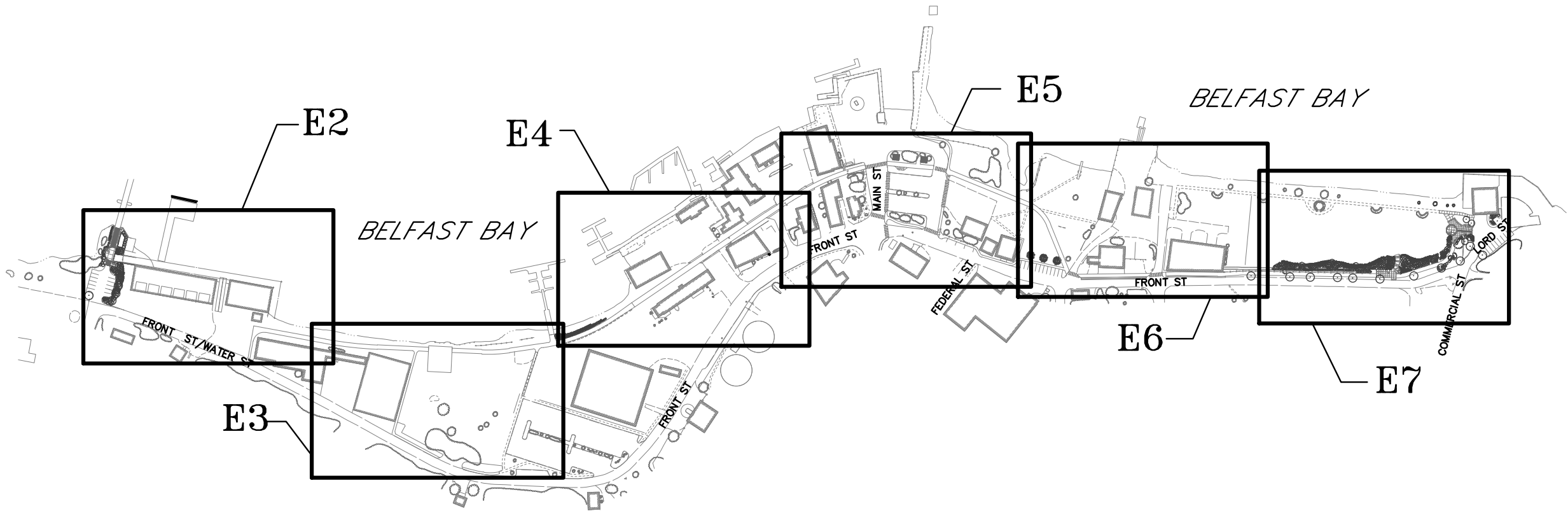
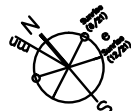




- PROJECT NOTES:**
1. PROVIDE 2 #10, 1 #12 GND, IN A 1" CONDUIT FROM EXISTING RELOCATED LIGHTING POLES TO THE EXISTING ELECTRICAL BOX. CONNECT NEW WIRING TO EXISTING ELECTRICAL BOX. CONNECT NEW WIRING TO EXISTING LIGHTING CIRCUIT PROTECTION IN EXISTING ELECTRICAL BOX.
 2. WHERE INDICATED DISCONNECT AND REMOVE EXISTING LIGHTING POLES AND FOUNDATION BASES, RELOCATE BASES AND LIGHTING POLES AS SHOWN.
 3. WHERE INDICATED PROVIDE THE FOLLOWING UNDERGROUND ELECTRICAL SERVICES TO BE INSTALLED UNDER THE PATH WITHIN THE TRAIL BOUNDARIES:
2 #4, 1 #8GND (LIGHTING CKT)
2 #4, 1 #8GND (RECEPTACLE CKT) 1-1/2" PVC
EMPTY (FUTURE SURVEILLANCE WIRING) 1-1/2" PVC
 4. WHERE INDICATED PROVIDE ELECTRICAL SERVICES LISTED IN NOTE 3 TO BE INSTALLED BELOW EXISTING WOOD PIER DECK.
 5. FURNISH TYPE WL LIGHTS TO BUILDING 1 OWNER FOR INSTALLATION BY OTHERS.
 6. WHERE PROVIDED PROVIDE A WATER-TIGHT, NON-METALLIC BOX BELOW THE EXISTING WOOD PIER DECK FOR LIGHTING AND RECEPTACLE WIRING CIRCUITS. EXTEND LIGHTING CIRCUIT WIRING VERTICALLY WITHIN THE CENTER WIRING CHANNEL IN THE WOOD LIGHTING POST. SEE SHEET E8 FOR DETAIL.
 7. WHERE INDICATED PROVIDE A PRESSURE TREATED POST WITH A SERVICE METER AND ELECTRICAL PANEL IN A NEMA 4X ENCLOSURE. ARRANGE WITH THE CENTRAL MAINE POWER COMPANY TO PROVIDE A NEW 120/240V, 1PHASE METERED SERVICE FROM THE ADJACENT EXISTING PAD MOUNTED TRANSFORMER. SEE SHEET E8 FOR DETAIL.
 8. WHERE INDICATED PROVIDE A PRESSURE TREATED POST WITH A SERVICE METER AND ELECTRICAL PANEL IN A NEMA 4X ENCLOSURE. ARRANGE WITH THE CENTRAL MAINE POWER COMPANY TO PROVIDE A NEW 120/240V, 1-PHASE METERED SERVICE FROM THE EXISTING UTILITY POLE ACROSS FRONT AT. SEE DETAIL E8 FOR DETAIL.
 9. ARRANGE WITH THE CENTRAL MAINE POWER COMPANY TO PROVIDE A POLE MOUNTED SERVICE TRANSFORMER WITH A 120/240V SECONDARY.
 10. EXTEND SERVICE WIRING 3 #2 IN 2-1/2 RIGID GALVANIZED STEEL CONDUIT UNDER FRONT STREET. SEE DUCT SECTION SHEET E8.
 11. PROVIDE TWO 20A/2P CIRCUIT BREAKERS FOR NEW LIGHTING CIRCUITS AND TWO 20A/1P CIRCUIT BREAKERS FOR NE RECEPTACLE CIRCUITS TO BE INSTALLED IN EXISTING PANEL EXP WITHIN EXISTING ELECTRICAL BOX.
 12. PRICE EMPTY CONDUIT FOR FUTURE SURVEILLANCE WIRING AS A SEPARATE ALTERNATE BID.
 13. WHERE INDICATED, PROVIDE THE FOLLOWING UNDERGROUND ELECTRICAL SERVICES TO BE INSTALLED UNDER THE PATH WITHIN THE TRAIL BOUNDARIES:
4 #4, 2 #8GND (LIGHTING CKTS)
2 #4, 1 #8GND (RECEPTACLE CKT) 1-1/2"CDT
EMPTY (FUTURE SURVEILLANCE WIRING) 1-1/2"CDT
 14. WHERE INDICATED, PROVIDE THE FOLLOWING UNDERGROUND ELECTRICAL SERVICES TO BE INSTALLED UNDER THE PATH WITHIN THE TRAIL BOUNDARIES:
2 #4, 1 #8GND (LIGHTING CKT)
4 #4, 2 #8GND (RECEPTACLE CKTS) 1-1/2"CDT
EMPTY (FUTURE SURVEILLANCE WIRING) 1-1/2"CDT
 15. WHERE INDICATED EXTEND UNDERGROUND CIRCUIT WIRING TO SERVE FUTURE KIOSK. TERMINATE WIRING IN A WATER-TIGHT NON-METALLIC BOX AT GRADE FOR FUTURE USE BY OTHERS.
 16. WHERE INDICATED PROVIDE THE FOLLOWING UNDERGROUND ELECTRICAL SERVICES TO BE INSTALLED UNDER THE PATH WITHIN THE TRAIL BOUNDARIES OR BELOW EXISTING WOOD PIER DECK:
2 #4, 1 #8GND (LIGHTING CKT)
2 #4, 1 #8GND (RECEPTACLE CKT) 1-1/2" PVC

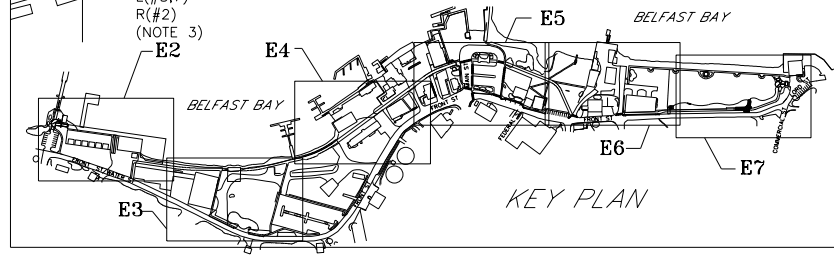
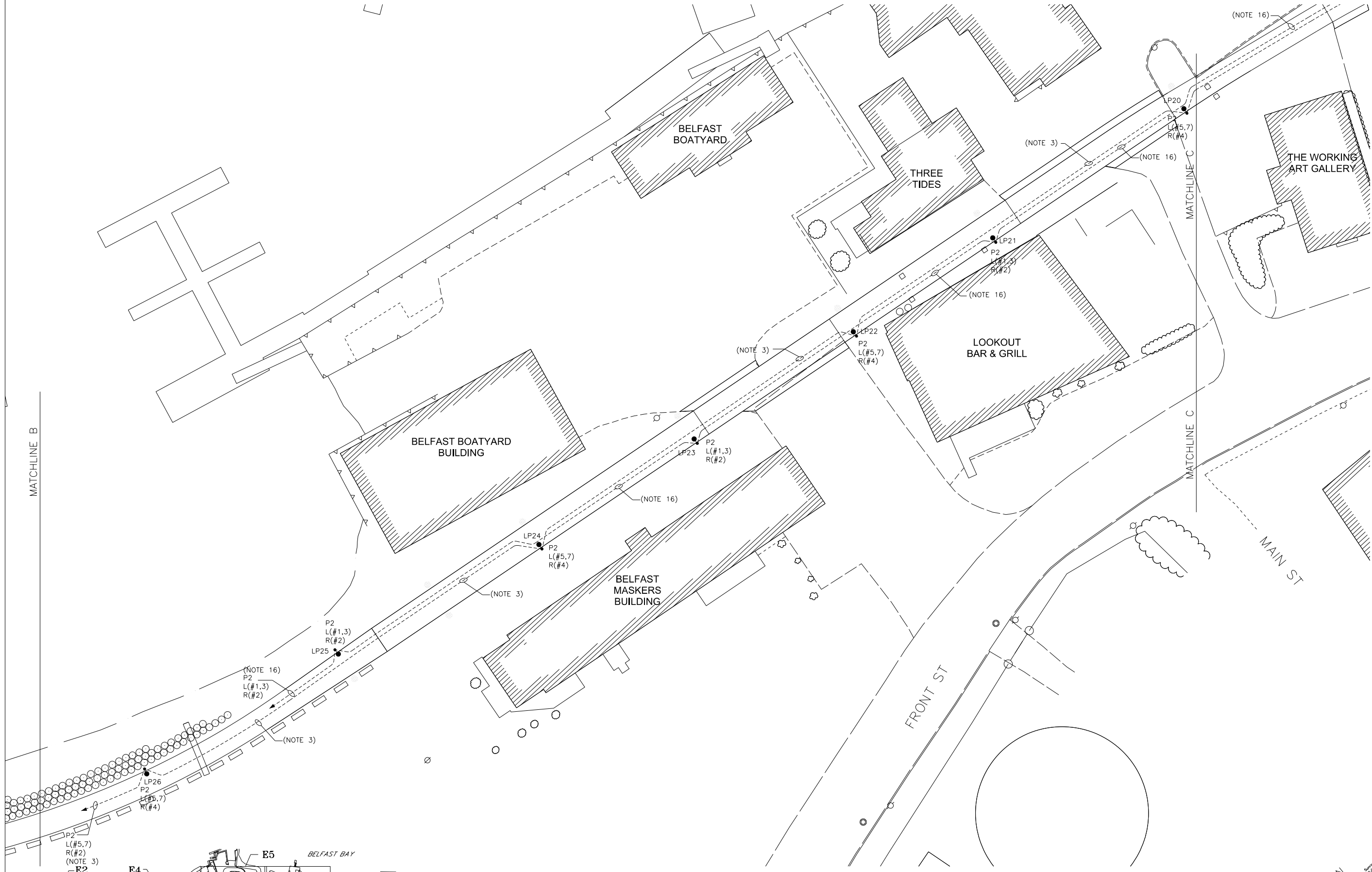
- ELECTRICAL SYMBOLS**
- P2 — PANELBOARD
 - L(#1,3) — LIGHTING CIRCUIT #
 - R(#4) — RECEPTACLE CIRCUIT #
 - LP33 — POLE MOUNTED LIGHT (SEE DETAIL SHT E8)
 - — — — — UNDERGROUND WIRING
 - EX ● — RELOCATED EXISTING LIGHT
 - EX ☼ — EXISTING LIGHT TO BE RELOCATED
 - WL1 — WALL MOUNTED LIGHT (SEE DETAIL SHT E8)
 - — — — — WALL MOUNTED LIGHT #
 - — — — — POST MTD PANELBOARD & METER (SEE DETAIL SHT E8)

- DRAWING LIST**
- E1 LIGHTING COVER SHEET
 - E2 LIGHTING PLAN SECTION A
 - E3 LIGHTING PLAN SECTION B
 - E4 LIGHTING PLAN SECTION C
 - E5 LIGHTING PLAN SECTION D
 - E6 LIGHTING PLAN SECTION E
 - E7 LIGHTING PLAN SECTION F
 - E8 LIGHTING DETAILS



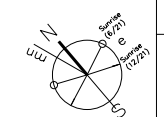
Bartlett Design
LIGHTING & ELECTRICAL ENGINEERING
640 WASHINGTON STREET, BATH, ME 04500
TEL (207) 448-6447 FAX (207) 448-9900

CITY OF BELFAST, MAINE		STP-1760(200)X		PIN 17602.00		HIGHWAY PLANS	
Bartlett Design		Lawrence E. Bartlett		P.E. NUMBER 7928		DATE 07/13/12	
PROJECT MANAGER		BY		DATE		SIGNATURE	
DESIGN-DETAILED		JLC		05/25/12		05/25/12	
CHECKED-REVIEWED		LEB		05/25/12		05/25/12	
DESIGN-DETAILED2		LEB		05/25/12		05/25/12	
REVISIONS 1		06-28-12		06-28-12		06-28-12	
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							
Bartlett Design		Bartlett Design		Bartlett Design		Bartlett Design	
LIGHTING & ELECTRICAL ENGINEERING		LIGHTING & ELECTRICAL ENGINEERING		LIGHTING & ELECTRICAL ENGINEERING		LIGHTING & ELECTRICAL ENGINEERING	
640 WASHINGTON STREET, BATH, ME 04500		640 WASHINGTON STREET, BATH, ME 04500		640 WASHINGTON STREET, BATH, ME 04500		640 WASHINGTON STREET, BATH, ME 04500	
TEL (207) 448-6447 FAX (207) 448-9900		TEL (207) 448-6447 FAX (207) 448-9900		TEL (207) 448-6447 FAX (207) 448-9900		TEL (207) 448-6447 FAX (207) 448-9900	
SHEET NUMBER		E1		## OF ###			



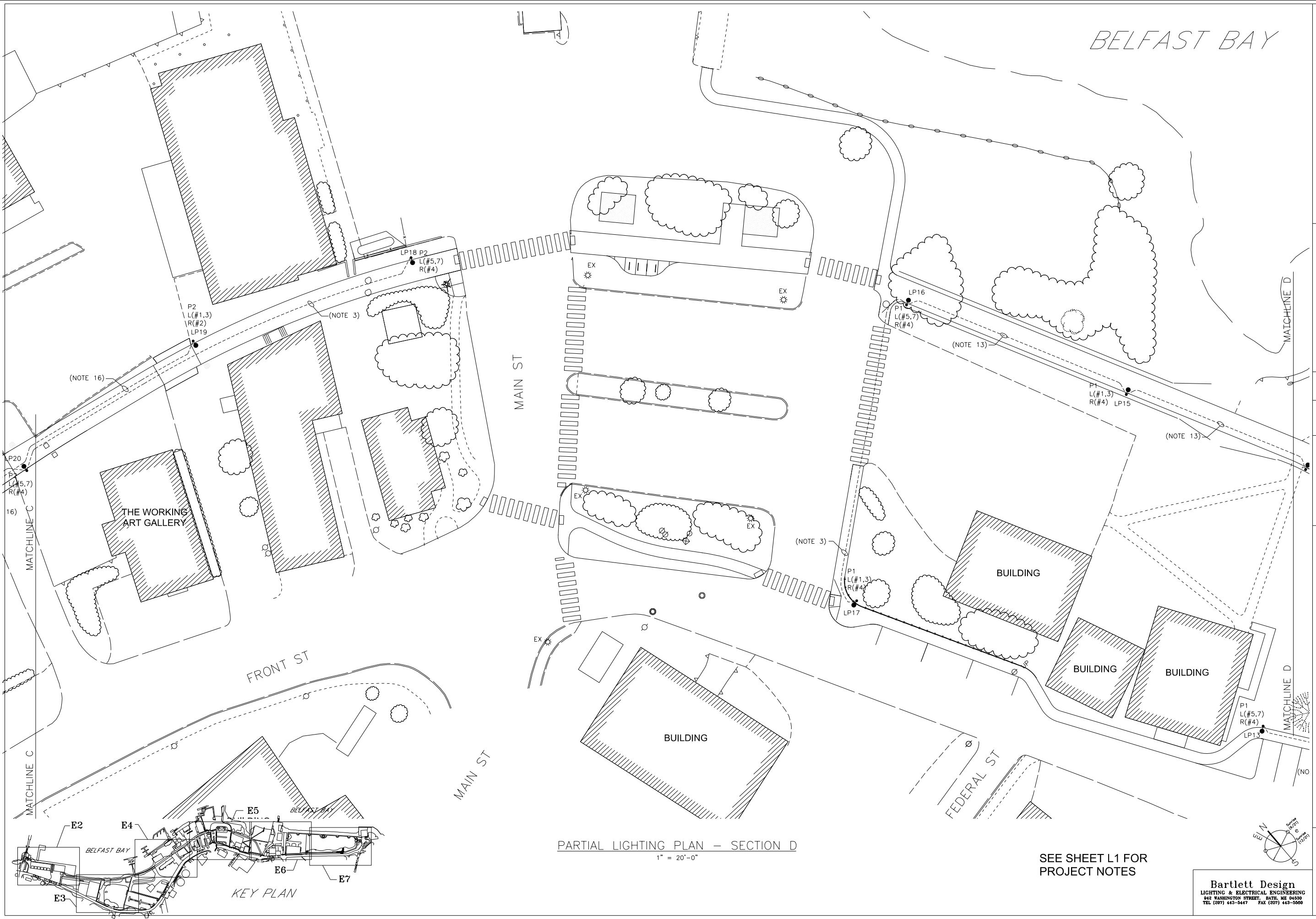
PARTIAL LIGHTING PLAN - SECTION C
1" = 20'-0"

SEE SHEET L1 FOR
PROJECT NOTES



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LIGHTING & ELECTRICAL ENGINEERING
942 WASHINGTON STREET, BATH, ME 04530
TEL (207) 443-5447 FAX (207) 443-5560

CITY OF BELFAST, MAINE		STP-1760(200)X		PIN 17602.00		HIGHWAY PLANS	
		DATE		BY		PROJ. MANAGER	
		05/25/12	JLC	LEB	LEB	LEB	
SIGNATURE		DATE		P.E. NUMBER		FIELD CHANGES	
Lawrence E. Bartlett		07/13/12		7928		REVISIONS 1	
						REVISIONS 2	
						REVISIONS 3	
						REVISIONS 4	
						FIELD CHANGES	
Belfast Coastal Walkway				LIGHTING PLAN SECTION C			
SHEET NUMBER				E4			
				## OF ###			



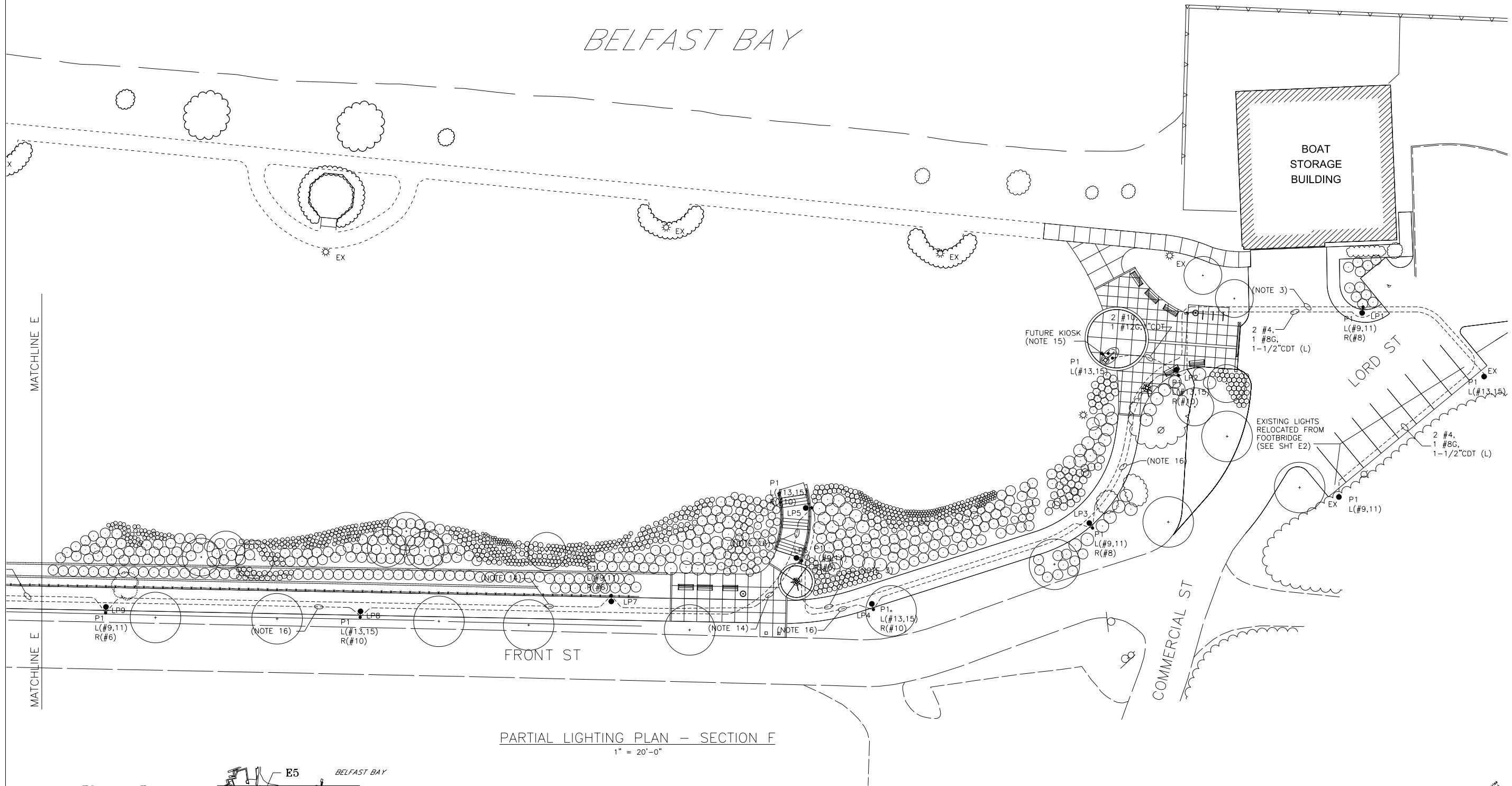
PARTIAL LIGHTING PLAN - SECTION D
1" = 20'-0"

SEE SHEET L1 FOR
PROJECT NOTES

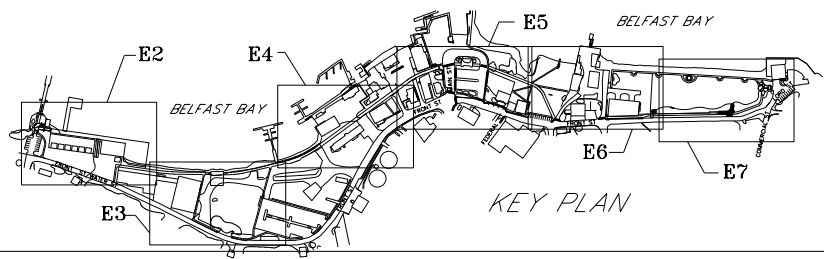
Bartlett Design
LIGHTING & ELECTRICAL ENGINEERING
942 WASHINGTON STREET, BATH, ME 04530
TEL (207) 443-5447 FAX (207) 443-5560



CITY OF BELFAST, MAINE		STP-1760(200)X		PIN 17602.00		HIGHWAY PLANS	
Bartlett Design		Lawrence E. Bartlett		P.E. NUMBER 7928		DATE 07/13/12	
PROJECT MANAGER		BY		DATE		SIGNATURE	
DESIGN-DETAILED		JLC		05/25/12		05/25/12	
CHECKED-REVIEWED		LEB					
DESIGN-DETAILED2							
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							
Belfast Coastal Walkway				LIGHTING PLAN SECTION D			
SHEET NUMBER				E5			
## OF ###							



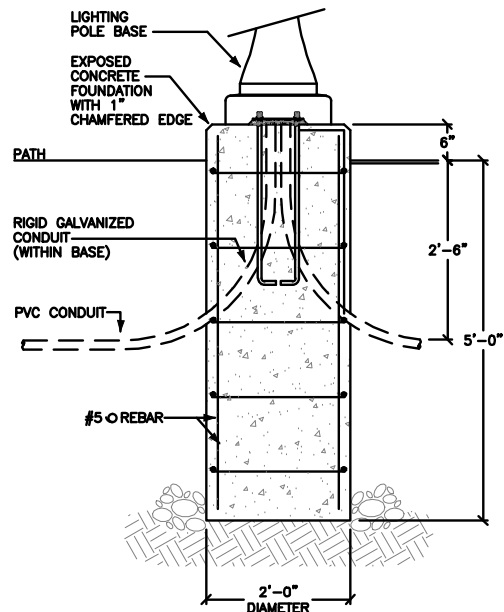
PARTIAL LIGHTING PLAN — SECTION F
1" = 20'-0"



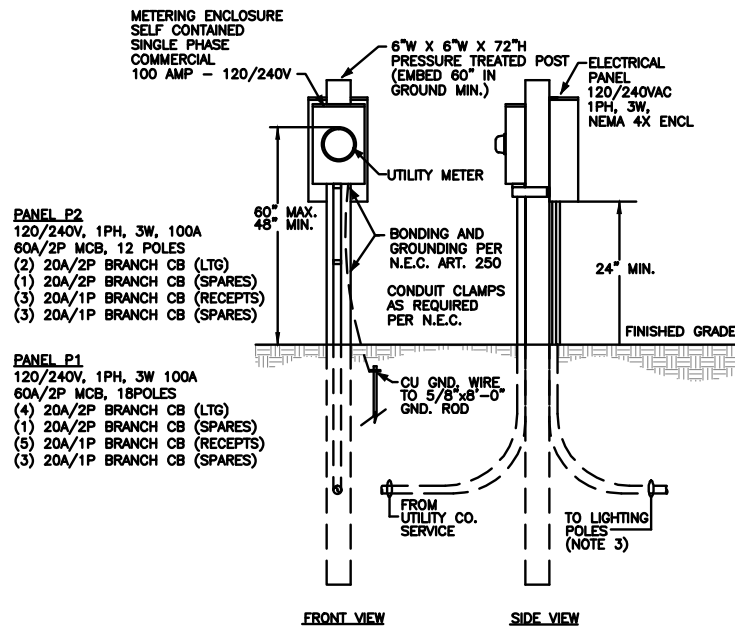
SEE SHEET L1 FOR
PROJECT NOTES

Bartlett Design
LIGHTING & ELECTRICAL ENGINEERING
042 WASHINGTON STREET, BATH, ME 04530
TEL (207) 443-5447 FAX (207) 443-5500

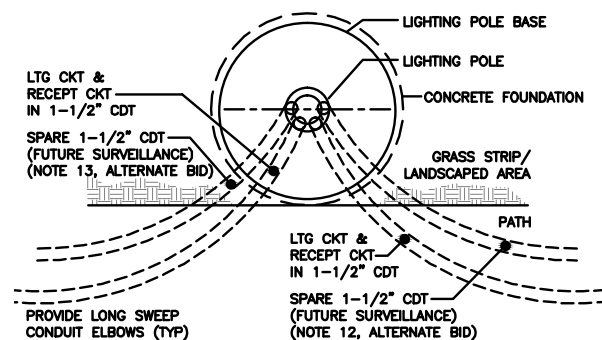
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LIGHTING PLAN SECTION F		DESIGN-DETAILED CHECKED-REVIEWED DESIGN-2-REVIEWED2 DESIGN-3-REVIEWED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		STP-1760(200)X	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		LEB		05/25/12	
CHECKED-REVIEWED		LEB		05/25/12	
DESIGN-2-REVIEWED2					
DESIGN-3-REVIEWED3					
REVISIONS 1				7928	
REVISIONS 2				SIGNATURE	
REVISIONS 3				LAWRENCE E. BARTLETT No. 7928	
REVISIONS 4				P.E. NUMBER	
FIELD CHANGES				DATE	
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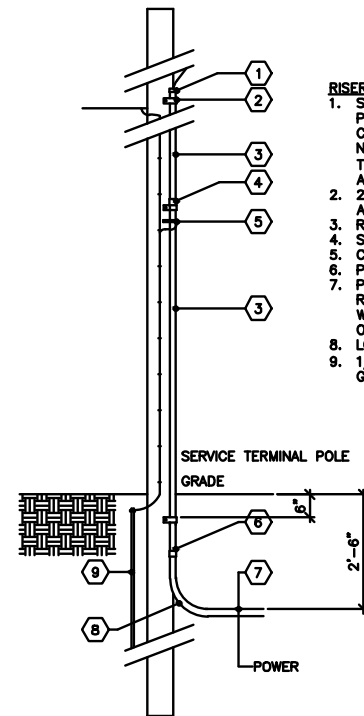
TYPICAL POLE BASE DETAIL
NOT TO SCALE



SERVICE METER & PANELBOARD DETAIL
1/2" = 1'-0"

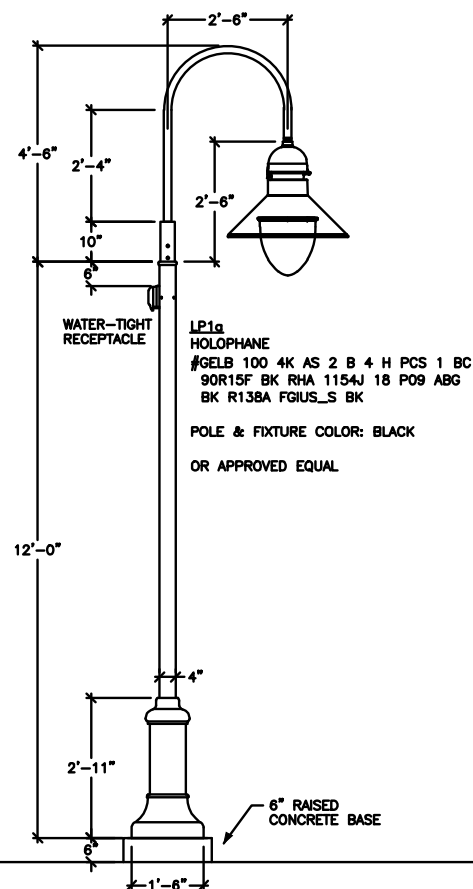


ELECTRICAL WIRING DETAIL
1" = 1'-0"



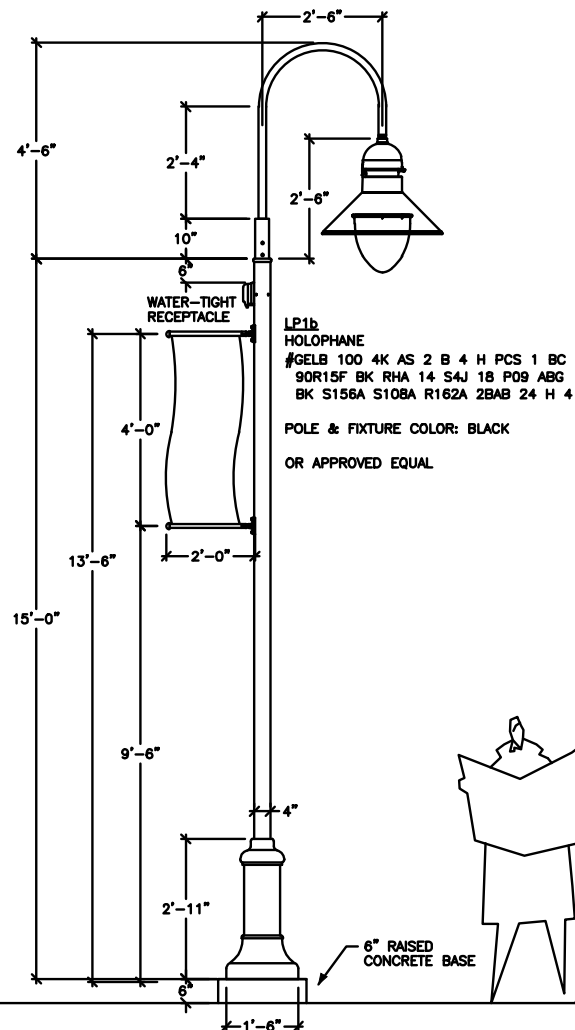
RISER POLE DETAIL
NOT TO SCALE

- RISER POLE NOTES:**
1. SEAL TOP OF CONDUIT WITH POLYURETHANE SEALER. TOP OF CONDUIT SHALL HAVE A DOUBLE NON-THREADED PLASTIC COUPLING. TOP OF CONDUIT SHALL EXTEND 4" ABOVE PRIMARY NEUTRAL.
 2. 2 HOLE U CUPS AT TOP, BOTTOM, AND UNDER EACH COUPLING.
 3. RIGID STEEL GALVANIZED CONDUIT.
 4. STEEL CONDUIT COUPLING.
 5. CONDUIT GROUNDED CONNECTOR. PVC TO STEEL CONDUIT COUPLING.
 6. PVC SCHED 40 CONDUIT. PROVIDE RIGID STEEL GALVANIZED CONDUIT WHERE PASSING UNDER ROADWAYS OR DRIVES.
 7. LONG SWEEP CONDUIT ELBOW.
 8. 1/2IN DIA. X 6FT LONG COPPER GLAD GROUND ROD
 - 9.



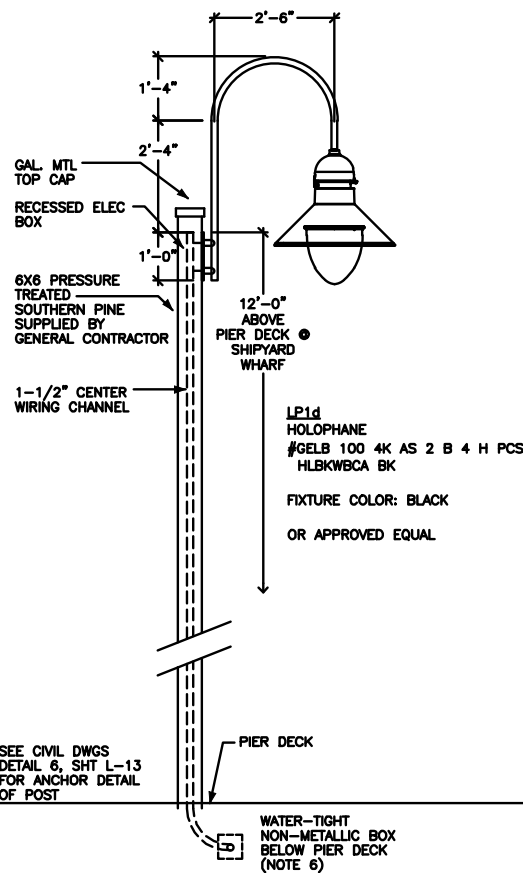
LIGHTING POLE TYPE L1a
1/2" = 1'-0"

TYPICAL FOR POLES LP38, LP37, LP34, LP33, LP32, LP31, LP30, LP29, LP28, LP27, LP26, LP25, LP24, LP23, LP22, LP21, LP20, LP19, LP18, LP5 & LP6



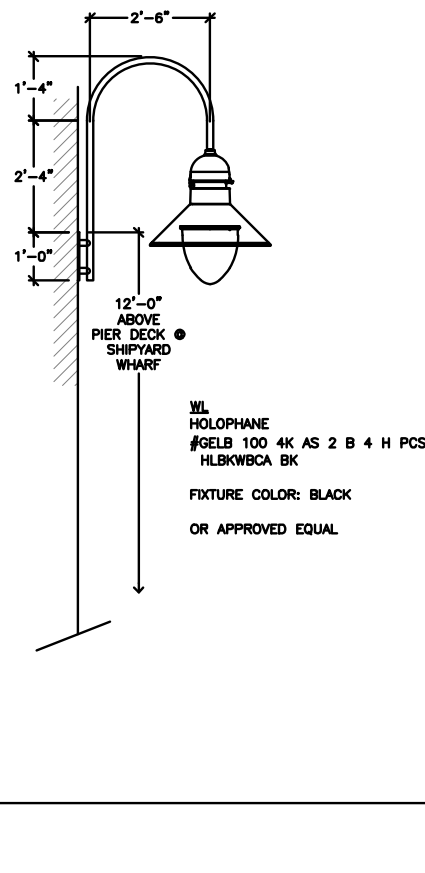
LIGHTING POLE TYPE L1b
1/2" = 1'-0"

TYPICAL FOR POLES LP17, LP16, LP15, LP14, LP13, LP12, LP11, LP10, LP9, LP8, LP7, LP4, LP3, LP2 & LP1



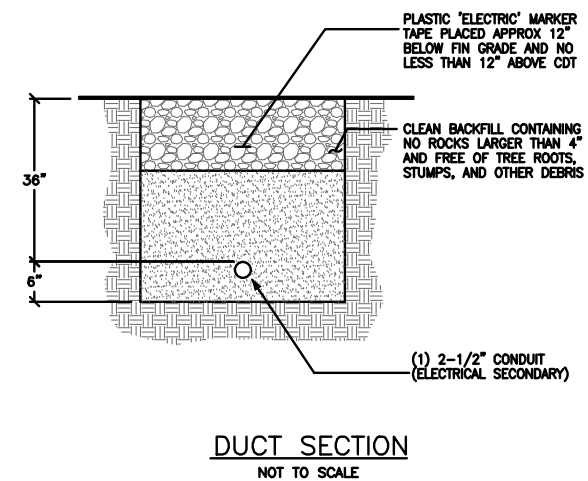
LIGHTING POLE TYPE L1c
1/2" = 1'-0"

TYPICAL FOR POLES LP36 & LP35



TYPE WL LIGHT DETAIL
1/2" = 1'-0"

TYPICAL FOR WALL LIGHTS WL1, WL2 & WL3



DUCT SECTION
NOT TO SCALE

SEE SHEET L1 FOR PROJECT NOTES

Bartlett Design
LIGHTING & ELECTRICAL ENGINEERING
600 WASHINGTON STREET, BOSTON, MA 02108
TEL (617) 452-6447 FAX (617) 452-9900

BELFAST COASTAL WALKWAY LIGHTING DETAILS

SHEET NUMBER

E8

OF



Lawrence E. Bartlett
SIGNATURE
7928
P.E. NUMBER
07/13/12
DATE

DATE	BY	PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
05/25/12	JLC	LEB	LEB	LEB	LEB	06-28-12				

CITY OF BELFAST, MAINE

STP-1760(200)X

PIN 17602.00

HIGHWAY PLANS