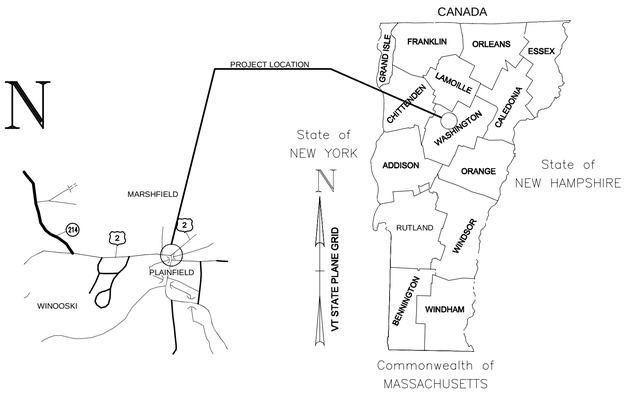
INDEX OF SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
PLAINFIELD PATHWAY PROJECT
STP EH09(6)

QUALITY ASSURANCE PROGRAM: LEVEL

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

SURVEYED BY :
SURVEYED DATE :

DATUM
VERTICAL
HORIZONTAL

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

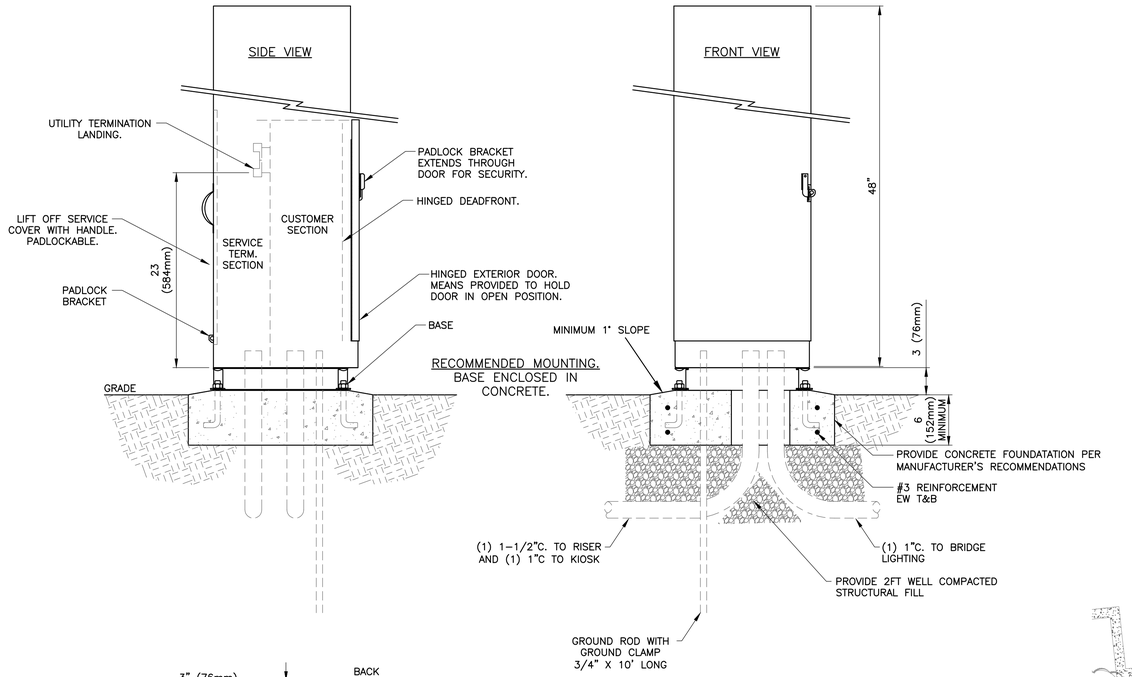
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____

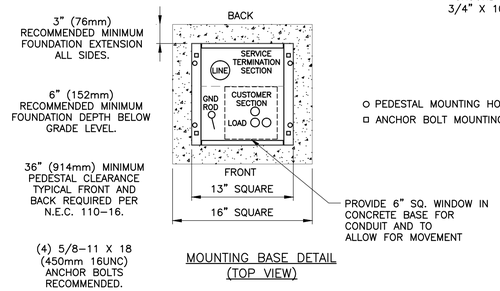
DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE _____

PROJECT MANAGER : R.F. KISCHKO

PROJECT NAME : PLAINFIELD PATHWAY PROJECT
PROJECT NUMBER : STP EH09(6)

SHEET 1 OF SHEETS



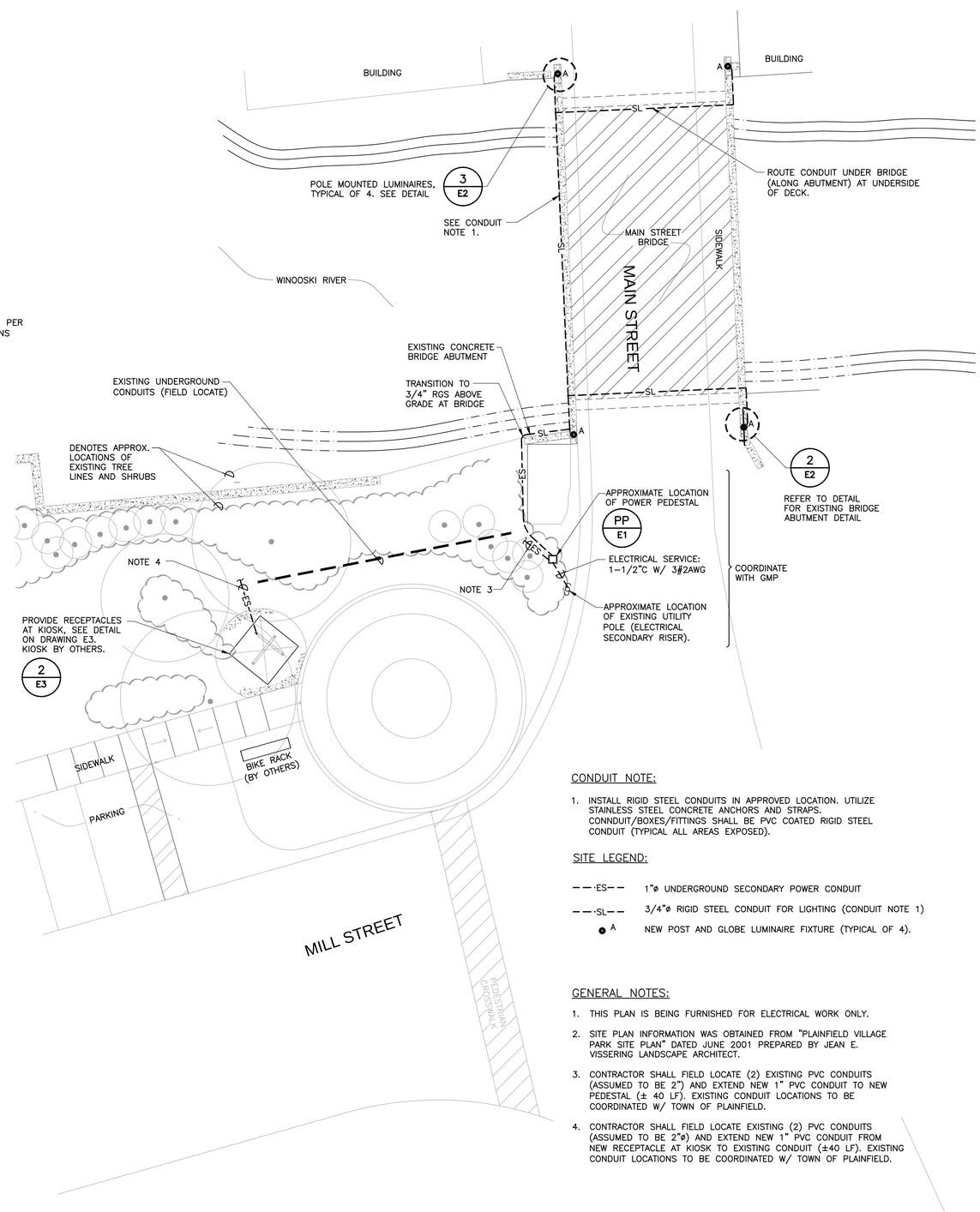


MOUNTING BASE DETAIL
(TOP VIEW)

NOTES

1. CONTROL CABINET SHALL BE U/L LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
2. CONSTRUCTION SHALL BE: NEMA 3R, .125 ALUMINUM, MINT GREEN, POWDER COATED, PHOTOELECTRIC CELL – IN CABINET.
3. VOLTAGE RATINGS OF SERVICE EQUIPMENT SHALL CONFORM TO THE SERVICE VOLTAGES INDICATED ON THE PLANS.
4. SERVICE EQUIPMENT ENCLOSURE AND METERING EQUIPMENT SHALL MEET THE REQUIREMENTS OF GREEN MOUNTAIN POWER (GMP). THE METER AREA SHALL HAVE A SEALABLE, LOCKABLE, RAINTIGHT COVER THAT CAN BE REMOVED WITHOUT THE USE OF TOOLS.
5. SERVICE EQUIPMENT SHALL BE FACTORY WIRED AND CONFORM TO NEMA STANDARDS.
6. THE EXTERIOR DOOR SHALL HAVE PROVISIONS FOR PADLOCKING. THE PADLOCK HOLE SHALL BE A MINIMUM DIAMETER OF 11mm.
7. ALL TERMINALS FOR INCOMING SERVICE CONDUCTORS SHALL BE COMPATIBLE WITH EITHER COPPER OR ALUMINUM CONDUCTORS SIZED TO SUIT THE CONDUCTORS SHOWN ON THE PLAN. TERMINAL LUGS SHALL BE COPPER OR TIN-PLATED ALUMINUM. SOLID NEUTRAL TERMINAL STRIP SHALL BE RATED 125A UNLESS OTHERWISE SPECIFIED AND FOR USE WITH COPPER OR ALUMINUM CONDUCTORS. THE TERMINAL SHOULD INCLUDE BUT NOT BE LIMITED TO:
   A) INCOMING TERMINALS (LANDING LUGS)
   B) NEUTRAL LUGS
   C) SOLID NEUTRAL TERMINAL STRIP.
   D) TERMINAL STRIPS FOR CONDUCTORS WITHIN THE ENCLOSURE.
8. SIX (6) STANDARD SINGLE POLE CIRCUIT BREAKER SPACES SHALL BE PROVIDED FOR BRANCH CIRCUITS AS FOLLOWS: (4) 20A CIRCUIT BREAKERS AND (2) SPACES. INTERIORS SHALL BE COPPER. INTERIORS SHALL ACCEPT PLUG-IN OR CABLE-IN/ CABLE-OUT CIRCUIT BREAKERS.
9. PLUG-IN CIRCUIT BREAKERS MAY BE MOUNTED IN THE VERTICAL OR HORIZONTAL POSITION. CABLE-IN/ CABLE-OUT CIRCUIT BREAKERS SHALL BE MOUNTED IN THE VERTICAL POSITION.
10. FASTENERS ON THE EXTERIOR OF THE ENCLOSURE SHALL BE VANDAL RESISTANT AND SHALL NOT BE REMOVABLE FROM THE EXTERIOR. ALL NUTS, BOLTS, SCREWS, WASHERS, AND HINGES SHALL BE STAINLESS STEEL.
11. PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
12. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
13. FOUNDATION SHALL EXTEND 3" MINIMUM BEYOND EDGE OF ENCLOSURE.

PP / E1 SERVICE PEDESTAL INSTALLATION DETAIL
NOT TO SCALE



1/E1 MAINSTREET BRIDGE - LIGHTING PLAN
SCALE: 1" = 10'-0"

CONDUIT NOTE:

1. INSTALL RIGID STEEL CONDUITS IN APPROVED LOCATION. UTILIZE STAINLESS STEEL CONCRETE ANCHORS AND STRAPS. CONNDUIT/BOXES/FITTINGS SHALL BE PVC COATED RIGID STEEL CONDUIT (TYPICAL ALL AREAS EXPOSED).

SITE LEGEND:

--ES--	1"ø UNDERGROUND SECONDARY POWER CONDUIT
--SL--	3/4"ø RIGID STEEL CONDUIT FOR LIGHTING (CONDUIT NOTE 1)
● A	NEW POST AND GLOBE LUMINAIRE FIXTURE (TYPICAL OF 4).

GENERAL NOTES:

1. THIS PLAN IS BEING FURNISHED FOR ELECTRICAL WORK ONLY.
2. SITE PLAN INFORMATION WAS OBTAINED FROM "PLAINFIELD VILLAGE PARK SITE PLAN" DATED JUNE 2001 PREPARED BY JEAN E. VISSERING LANDSCAPE ARCHITECT.
3. CONTRACTOR SHALL FIELD LOCATE (2) EXISTING PVC CONDUITS (ASSUMED TO BE 2") AND EXTEND NEW 1" PVC CONDUIT TO NEW PEDESTAL (± 40 LF). EXISTING CONDUIT LOCATIONS TO BE COORDINATED W/ TOWN OF PLAINFIELD.
4. CONTRACTOR SHALL FIELD LOCATE EXISTING (2) PVC CONDUITS (ASSUMED TO BE 2"ø) AND EXTEND NEW 1" PVC CONDUIT FROM NEW RECEPTACLE AT KIOSK TO EXISTING CONDUIT (±40 LF). EXISTING CONDUIT LOCATIONS TO BE COORDINATED W/ TOWN OF PLAINFIELD.

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WILLISTON, VT
BEDFORD, NH
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PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY	CK'D

TOWN OF PLAINFIELD
PO BOX 217
PLAINFIELD,
VERMONT 05667
1.802.454.8461

PLAINFIELD
PATHWAY PROJECT
PLAINFIELD, VT

SHEET TITLE

LIGHTING PLAN
AND
DETAILS

DRAWN BY	DATE
SRM	03.17.12
CHECKED BY	D&K PROJECT #
RFK	521340P
PROJ. ENG.	D&K ARCHIVE #
RFK	-

SHEET NUMBER

E1

SHEET 2 OF 4

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POST SPECIFICATIONS:

1. INSTALLATION
THE POST SHALL BE PROVIDED WITH FOUR HOLES TO ACCEPT L-TYPE ANCHOR BOLTS TO BE INSTALLED ON A 9" DIAMETER BOLT CIRCLE. A DOOR SHALL BE PROVIDED IN THE BASE FOR ANCHORAGE AND WIRING ACCESS. A GROUNDING SCREW SHALL BE PROVIDED INSIDE THE BASE OPPOSITE THE DOOR.

2. DESCRIPTION
THE POST SHALL BE ALL CAST ALUMINUM CONSTRUCTION, MASSIVELY TAPERED WITH AN OCTAGONAL SHAFT AND CYLINDER SHAPED BASE. THE POST SHALL HAVE A GREEN MATT FINISH AND MATCH THE GLOBE/FITTER FINISH.

3. MATERIALS
THE POST SHALL BE HEAVY WALL, COPPER FREE, CAST ALUMINUM PRODUCED FROM CERTIFIED ASTM 356.1 INGOT PER ASTM B179-95A OR ASTM B26-95. THE CASTINGS SHALL BE FORMED TRUE TO THE PATTERN WITH COMPLETE DETAIL. ALL HARDWARE SHALL BE TAMPER RESISTANT STAINLESS STEEL. ANCHOR BOLTS TO BE COMPLETELY HOT-DIP GALVANIZED.

4. CONSTRUCTION
THE POST SHALL BE CAST IN ONE PIECE.

5. DIMENSIONS
A. THE POST SHALL BE 6' IN HEIGHT (INCLUDING THE HEIGHT OF THE FITTER SELECTED BY OWNER) WITH A 12" DIAMETER BASE.

B. THE POST SHALL TAPER FROM A 12" DIAMETER BASE TO A 4" OCTAGONAL AT THE TOP OF THE POST. AN INTEGRAL 3" O.D. X 3" TENON SHALL BE PROVIDED AT THE TOP FOR LUMINAIRE MOUNTING. THE POST TOP SHALL INCLUDE A TRANSITIONAL DONUT BETWEEN THE SHAFT AND THE TENON.

C. POLE BASE SHALL HAVE A 4" X 6" X 6.5"H. DOOR OPENING FOR ANCHORAGE AND WIRING ACCESS. 3" O.D. X 3" HIGH TENON HOT DIP GALVANIZED L-TYPE ANCHOR BOLTS (4 PER POST) DOOR OPENING 9" DIA. BOLT

POST NOTE:

1. POST FINISH/COLOR SAMPLES SHALL BE PROVIDED TO ENGINEER FOR SELECTION AND PRE-APPROVAL.

LED GLOBE LUMINAIRE SPECIFICATIONS:

LUMINAIRE DESIGN
1. THE LUMINAIRE SHALL BE A CLASSICALLY VICTORIAN STYLED GLOBE WHICH CONSISTS OF A CURVED CAST ALUMINUM DISH FITTER AND A WHITE POLYCARBONATE GLOBE. (2) SPARE GLOBES SHALL BE FURNISHED.

2. THE LUMINAIRE SHALL HAVE AN LED ILLUMINATING TUBE (LIT) LIGHT SOURCE.

3. THE LIT MODULE SHALL BE AN IP65 WATER-TIGHT, DUST-TIGHT ASSEMBLY FOR YEARS OF MAINTENANCE FREE OPERATION.

4. THE LUMINAIRE SHALL BE SUPPLIED WITH LINE-GROUND, LINE-NEUTRAL AND NEUTRAL -GROUND ELECTRICAL SURGE PROTECTION IN ACCORDANCE WITH IEEE /ANSI C62.41.2 GUIDELINES.

5. THE LUMINAIRE SHALL BE U.L. LISTED IN U.S.

POST FITTER
6. THE DISH FITTER SHALL BE HEAVY WALL CAST ALUMINUM, ALLOY FOR HIGH TENSILE STRENGTH.

7. THE FITTER SHALL HAVE AN SPRING LOCK AND RELEASE SYSTEM FOR EASE OF ATTACHMENT TO THE GLOBE.

8. THE FITTER SHALL BE 9" IN DIAMETER FOR THE 18" GLOBE.

9. THE FITTER SHALL HAVE AN INSIDE DIAMETER OPENING TO 3" DIAMETER POLE OR TENON. THE FITTER SHALL BE SET SCREWED TO THE POLE TOP OR TENON.

10. THE FITTER SHALL BE GREEN WITH A MAT FINISH. COLOR SAMPLES SHALL BE PROVIDED TO THE ENGINEER FOR SELECTION AND PRE-APPROVAL. (COLOR AND TEXTURE SHALL MATCH POST & GLOBE BASE).

DRIVER
11. THE LED DRIVER SHALL BE REMOTE MOUNTED IN THE POLE OR POLE BASE.

12. THE LED DRIVER SHALL BE SUPPLIED WITH A QUICK-DISCONNECT ELECTRICAL CONNECTOR ON THE POWER SUPPLY, PROVIDING EASY POWER CONNECTIONS AND FIXTURE INSTALLATION.

LIGHT SOURCES / LIT MODULE
13. THE LUMINAIRE SHALL USE HIGH OUTPUT, HIGH BRIGHTNESS LEDS.

14. THE LEDS SHALL BE MOUNTED IN ARRAYS, ON PRINTED CIRCUIT BOARDS DESIGNED TO MAXIMIZE HEAT TRANSFER TO THE HEAT SINK SURFACE.

15. THE LEDS SHALL BE ATTACHED TO THE PRINTED CIRCUIT BOARD WITH NOT LESS THAN 90% PURE SILVER TO INSURE OPTIMAL ELECTRICAL AND THERMAL CONDUCTIVITY.

16. THE LEDS AND PRINTED CIRCUIT BOARDS SHALL BE PROTECTED FROM MOISTURE AND CORROSION BY A CONFORMAL COATING OF 1 TO 3 MILS.

17. THE LEDS AND PRINTED CIRCUIT BOARD CONSTRUCTION SHALL BE ENVIRONMENTALLY FRIENDLY AND 100% RECYCLABLE. THEY SHALL NOT CONTAIN LEAD, MERCURY OR ANY OTHER HAZARDOUS SUBSTANCES AND SHALL BE ROHS COMPLIANT.

18. THE LED LIFE RATING DATA SHALL BE DETERMINED IN ACCORDANCE WITH IESNA LM-80-08.

19. LIGHT SOURCE DELIVERED LUMENS WATTS SHALL BE 23W TO 30W MAXIMUM.

PERFORMANCE
1. THE LED ARRAYS ARE BUILT IN SERIES-PARALLEL CIRCUITS WHICH MAINTAIN OVERALL LIGHT OUTPUT IN THE EVENT OF SINGLE LED FAILURES.

2. THE LEDS AND LED DRIVER SHALL OPERATE OVER A -40°C (-40°F) TO +50°C (122°F) AMBIENT AIR TEMPERATURE RANGE.

3. THE HIGH PERFORMANCE WHITE LEDS WILL HAVE A LIFE EXPECTANCY OF APPROX-IMATELY 70,000 HOURS WITH NOT LESS THAN 70% OF ORIGINAL BRIGHTNESS (LUMEN MAINTENANCE), RATED AT 25°C.

4. THE HIGH BRIGHTNESS, HIGH OUTPUT LED'S SHALL BE 3500K MAXIMUM COLOR TEMPERATURE WITH A MINIMUM OF 75 CRI.

5. THE LUMINAIRE SHALL HAVE A MINIMUM 835 DELIVERED INITIAL LUMEN RATING
6. WHEN OPERATED AT STEADY STATE WITH AN AVERAGE AMBIENT TEMPERATURE OF 25°C (77°F).

ELECTRONIC DRIVERS
7. THE DRIVER SHALL BE U.L. RECOGNIZED. BI-LEVEL CONTROL FOR 100% AND 50% LIGHTING LEVEL (LUMEN OUTPUT).

8. THE DRIVER SHALL HAVE OVERLOAD AS WELL AS SHORT CIRCUIT PROTECTION.

9. THE DRIVER SHALL BE A DC VOLTAGE OUTPUT, CONSTANT CURRENT DESIGN, 50 / 60HZ.

10. THE DRIVER SHALL HAVE A MINIMUM EFFICIENCY OF 88%.

11. THE DRIVER SHALL BE RATED AT FULL LOAD WITH THD<20% AND A POWER FACTOR OF GREATER THAN 0.90.

GLOBE
12. THE WHITE GLOBE SHALL BE 18" MAXIMUM IN DIAMETER.

13. THE GLOBE SHALL BE MADE OF VANDAL RESISTANT WHITE POLYCARBONATE (WP).

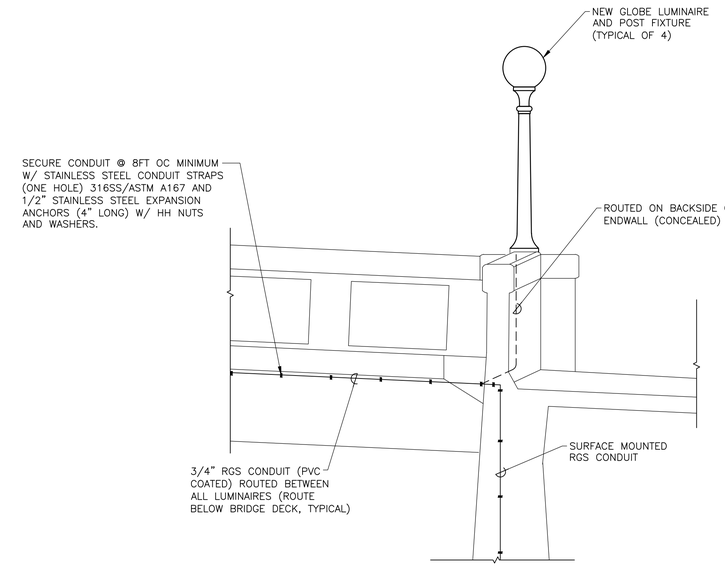
14. FINISH
15. PRIOR TO COATING, EACH ASSEMBLY SHALL BE CHEMICALLY CLEANED AND ETCHED IN A 5-STAGE WASHING SYSTEM WHICH INCLUDES ALKALINE CLEANING, RINSING, PHOSPHORIC ETCHING, REVERSE OSMOSIS WATER RINSING, AND NON-CHROME SEALING TO ENSURE CORROSION RESISTANCE AND EXCELLENT ADHESION FOR THE FINISH COATING.

16. THE FINISH COATING SHALL BE ELECTROSTATICALLY APPLIED SEMI-GLOSS, SUPER DURABLE POLYESTER POWDER BAKED AT 400 DEGREES FOR A DURABLE AND SUPERIOR, COLOR RETENTIVE FINISH.

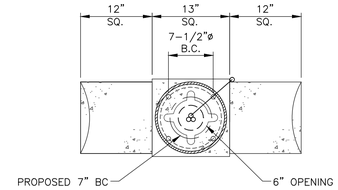
WARRANTY
17. THE LUMINAIRE SHALL BE FREE FROM ALL DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF SEVEN (7) YEARS FROM THE DATE OF MANUFACTURE.

18. THE LUMINAIRE MANUFACTURER SHALL WARRANT THE LED BOARDS /SYSTEM, DURING THE STATED WARRANTY PERIOD, AGAINST FAILURE DEFINED AS MORE THAN THREE (3) SIMULTANEOUS NON-OPERATING LEDS.

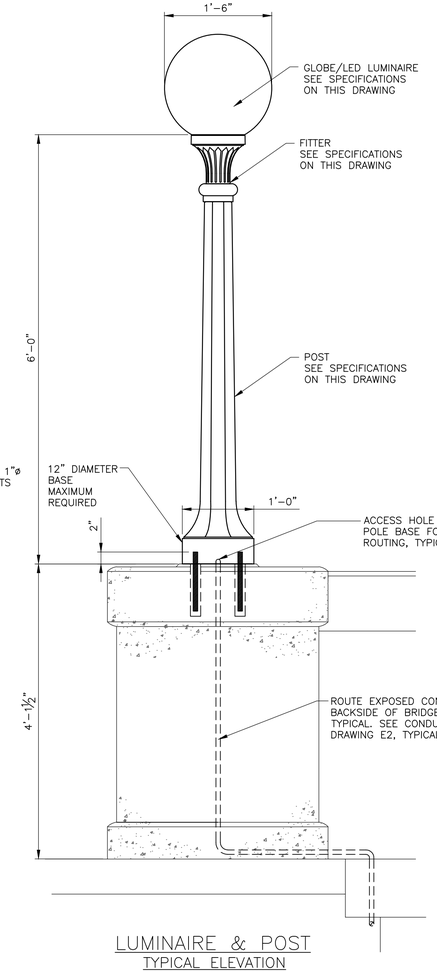
19. THE LED DRIVER SHALL BE WARRANTED FOR SEVEN (7) YEARS.



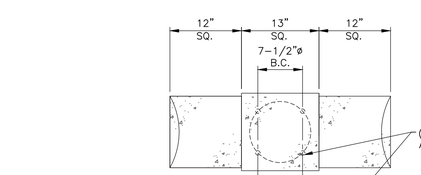
4 / E2 PARTIAL BRIDGE ELEVATION
NOT TO SCALE



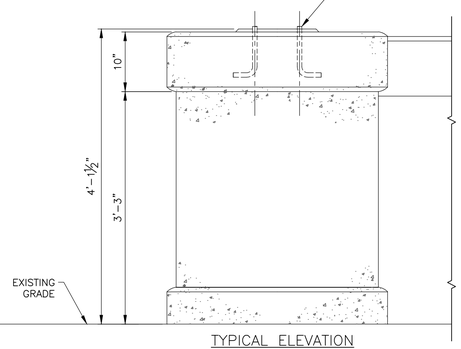
PLAN VIEW



LUMINAIRE & POST
TYPICAL ELEVATION



PLAN VIEW



TYPICAL ELEVATION

1 / E2 GLOBE LUMINAIRE AND POST SPECIFICATIONS
NO SCALE

2 / E1 EXISTING CONCRETE BRIDGE
SCALE: 1" = 1'-0"

3 / E1 NEW TYPE 'A' FIXTURE INSTALLATION DETAIL
SCALE: 1" = 1'-0"

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PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY	CK'D

TOWN OF PLAINFIELD
PO BOX 217
PLAINFIELD,
VERMONT 05667
1.802.454.8461

PLAINFIELD PATHWAY PROJECT
PLAINFIELD, VT

SHEET TITLE
LUMINAIRE & POST DETAILS AND SPECIFICATIONS

DRAWN BY	DATE
SRM	03.17.12
CHECKED BY	D&K PROJECT #
RFK	521340P
PROJ. ENG.	D&K ARCHIVE #
RFK	-

SHEET NUMBER
E2

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LIGHTING CONTROLLER NOTES AND SPECIFICATIONS:

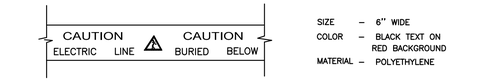
ASTRONOMIC 7 DAY DIGITAL TIME SWITCH SHALL BE PROVIDED FOR BI-LEVEL LIGHTING CONTROL OF LED POST LUMINAIRIES. COMPLETE WITH TWO CIRCUIT SCHEDULING WITH 20 ON & OFF SET POINTS FOR INDIVIDUAL PROGRAMS FOR EACH DAY OF THE WEEK. MINIMUM SETTING IS 1 MINUTE. ASTRONOMIC: ADJUSTABLE 10° – 60° NORTHERN OR SOUTHERN LATITUDES. CAN BE INDIVIDUALLY OFFSET – 1–240 MINUTES FROM BOTH SUNSET AND SUNRISE TIMES. DAYLIGHT SAVING: AUTOMATIC LEAP YEAR: AUTOMATIC COMPENSATION MANUAL OVERRIDE: UNTIL THE NEXT REGULARLY SCHEDULED ON OR OFF, AUTOMATIC OPERATION THEN RESUMES. CLOCK FORMAT: AM/PM POWER OUTAGE BACKUP: PERMANENT SCHEDULE RETENTION WITH MEMORY MODULE. SUPER CAPACITOR PROVIDES 4 DAYS OF REAL TIME BACKUP.

SPECIFICATIONS:

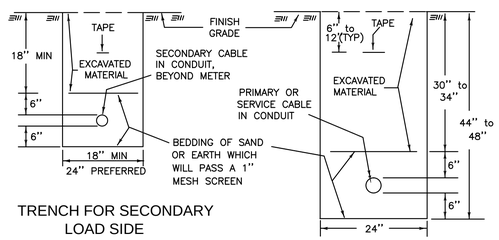
1. TIMING ACCURACY: LINE FREQUENCY
2. INPUT VOLTAGE:
3. 120–277VAC, 50/60HZ (AUTOMATIC DETECTION)
4. TERMINAL RANGE: #8 – #16AWG
5. OPERATING TEMPERATURE: –40° TO +149° (–40° TO +65°C)
6. POWER CONSUMPTION: 6VA MAX.
7. ENCLOSURE: INDOOR/OUTDOOR NEMA 3R.

KIOSK WORK NOTES:

1. COORDINATE WITH KIOSK DESIGNER ON LOCATION AND MOUNTING OF LINE–VOLTAGE PHOTOCELL TO BE PROVIDED UNDER THIS CONTRACT.
2. PHOTOCELL SHALL BE INTERMATIC MODEL NO. K4251 PHOTO CONTROL 120V, 1000W OR EQUAL.
3. PROVIDE (1) WEATHERPROOF 20A, 120V, GFCI, QUADPLEX RECEPTACLE FOR FARMER'S MARKET. COORDINATE LOCATION WITH KIOSK DESIGNER. PROVIDE LOCK AND COVER. MANUFACTURED BY TAY–MAC OR EQUAL.
4. KIOSK IS BEING PROVIDED BY OTHERS AND IS NOT PART OF THIS CONTRACT. KIOSK LOCATION/ORIENTATION SHOWN ON SITE PLAN (E1) IS APPROXIMATE.

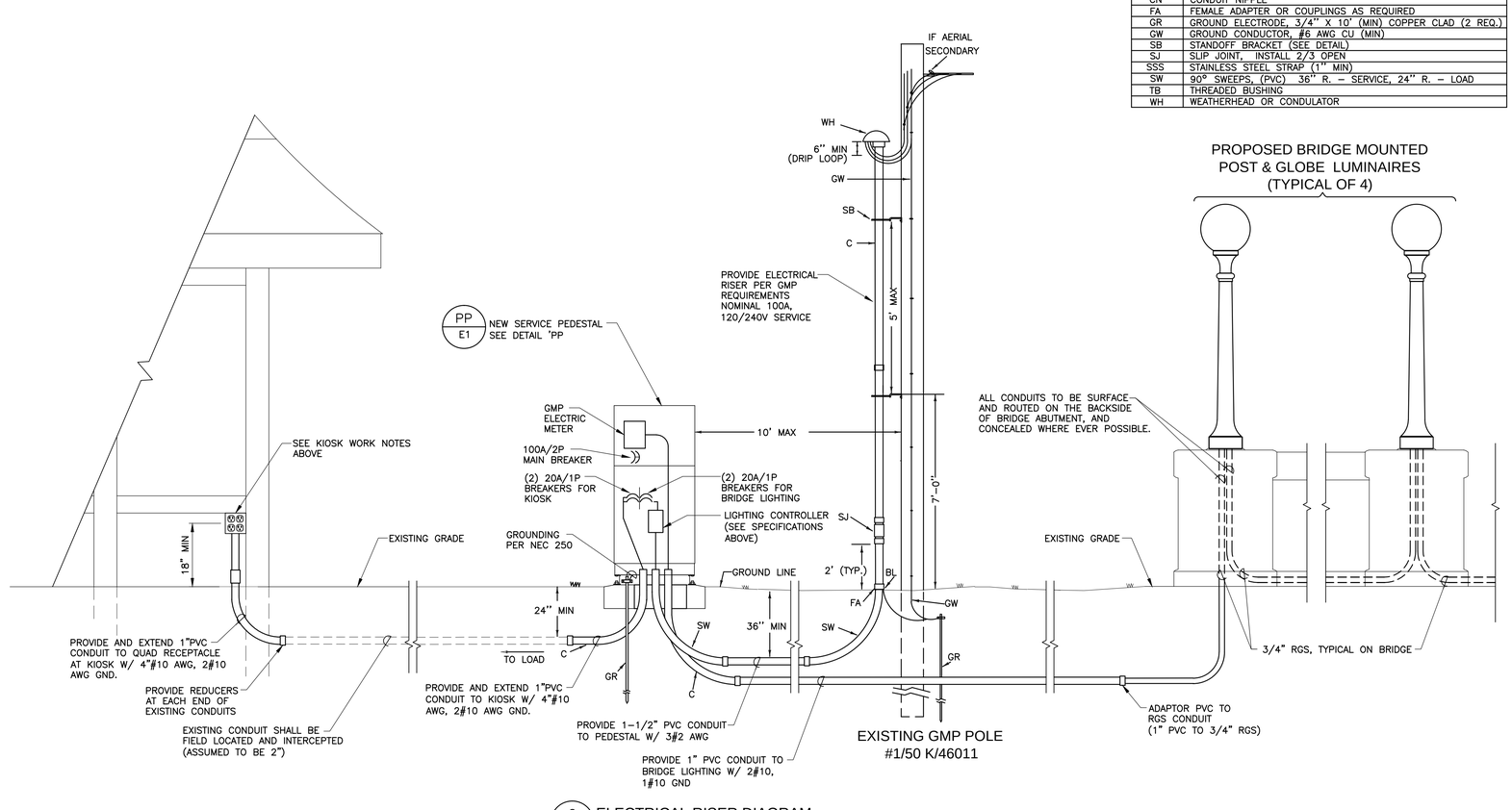


UNDERGROUND CABLE MARKING TAPE



1 / E3 TYPICAL TRENCH SECTIONS
NOT TO SCALE

NEW RISER BILL OF MATERIALS	
ITEM	MATERIAL
BL	BONDING LUG (IF STEEL CONDUIT)
C	CONDUIT – PVC SCHEDULE 80 (2" MIN.)
CN	CONDUIT NIPPLE
FA	FEMALE ADAPTER OR COUPLINGS AS REQUIRED
GR	GROUND ELECTRODE, 3/4" X 10' (MIN) COPPER CLAD (2 REQ.)
GW	GROUND CONDUCTOR, #6 AWG CU (MIN)
SB	STANDOFF BRACKET (SEE DETAIL)
SJ	SLIP JOINT, INSTALL 2/3 OPEN
SSS	STAINLESS STEEL STRAP (1" MIN)
SW	90° SWEEPS, (PVC) 36" R. – SERVICE, 24" R. – LOAD
TB	THREADED BUSHING
WH	WEATHERHEAD OR CONDULATOR

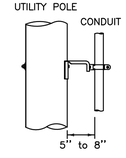


2 / E3 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

GENERAL NOTES:

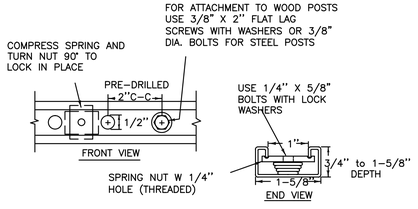
CONTACT THE LOCAL UTILITY COMPANY AND ADHERE TO ANY EQUIPMENT, PROCEDURE AND CRITERIA VARIATIONS WHICH PERTAIN. SEE SPECIAL PROVISIONS FOR THE UTILITY CONTACT. PROVIDE TO THE ENGINEER ALL SPECIFIC INFORMATION CONCERNING UTILITY REQUIREMENTS PRIOR TO THE PRECONSTRUCTION MEETING OR THE START OF WORK, WHICHEVER IS FIRST.

1. ALL CONSTRUCTION MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE AND UTILITY COMPANY REQUIREMENTS.
2. STANCHIONS MUST BE PLACED OUTSIDE THE CLEAR ZONE OR THEY MUST BE PROTECTED BY GUARDRAIL. THE LOCATION OF STANCHIONS MUST BE APPROVED BY THE UTILITY COMPANY PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MATERIALS, EXCEPT FOR STANDOFF BRACKETS WHICH ARE USUALLY FURNISHED AND INSTALLED BY THE UTILITY COMPANY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL MATERIALS, EXCEPT THOSE ATTACHED TO THE UTILITY POLE. ALL MATERIAL AND INSTALLATION COSTS FOR THE POWER SERVICE, EXCEPT FOR THE WIRED CONDUIT, SHALL BE CONSIDERED PART OF THE TRAFFIC SIGNAL, STREET LIGHTING OR SIGN ITEM, WHICHEVER IS APPLICABLE.
4. ALL EXPOSED METAL EQUIPMENT MUST BE GROUNDED.
5. ATTACH CONDUIT ON THE SIDE OF THE POLE OR STANCHION AWAY FROM TRAFFIC. CONTACT THE LOCAL UTILITY COMPANY FOR FINAL PLACEMENT.
6. MATERIALS AND DIMENSIONS APPLY TO ALL STANCHIONS.
7. IN RURAL AREAS, WITH THE PERMISSION OF THE UTILITY COMPANY, THE METER AND THE DISCONNECT MAY BE INSTALLED ON AN EXISTING UTILITY POLE.
8. OPTION #1 or, #2 MAY BE USED IN URBAN AREAS, EITHER RESIDENTIAL OR COMMERCIAL, OR AS DETERMINED BY THE UTILITY AND APPROVED BY THE ENGINEER.
9. THE METER AND DISCONNECT SHALL BE ATTACHED THE STANCHION/POLE WITH TWO LENGTHS OF GALVANIZED BACKING MATERIAL.
10. SERVICE CONDUIT SHALL BE MINIMUM 2 INCH. SMALLER CONDUIT MAY BE ALLOWED WITH PRIOR APPROVAL FROM THE UTILITY AND THE ENGINEER AND AFTER CONSULTATION WITH THE HIGHWAY, SAFETY & DESIGN DIVISION.
11. WHEN MORE THAN ONE GROUND ELECTRODE IS REQUIRED, THEY SHALL BE A MINIMUM OF 6' APART.
12. METERS MAY NOT BE REQUIRED BY ALL UTILITY COMPANIES.



USUALLY FURNISHED BY THE UTILITY COMPANY

3 / E3 STANDOFF BRACKET
NOT TO SCALE



ALL MATERIAL & HARDWARE TO BE GALVANIZED

4 / E3 BACKING MATERIAL DETAIL
NOT TO SCALE

DuBois & King inc.
ENGINEERING • PLANNING • MANAGEMENT • DEVELOPMENT
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SPRINGFIELD, VT 05156
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PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY	CK'D

TOWN OF PLAINFIELD
PO BOX 217
PLAINFIELD,
VERMONT 05667
1.802.454.8461

PLAINFIELD PATHWAY PROJECT
PLAINFIELD, VT

SHEET TITLE

ELECTRICAL DETAILS

DRAWN BY	DATE
SRM	03.17.12
CHECKED BY	D&K PROJECT #
RFK	521340P
PROJ. ENG.	D&K ARCHIVE #
RFK	-

SHEET NUMBER

E3

SHEET 4 OF 4

I:\521340P Plainfield Pathway\Drawings\Electrical\521340P E3 Dtls.dwg 3/14/2012 4:42 PM