

DERO BIKE HITCH AS MANUFACTURED BY DERO BIKE RACKS

BICYCLE RACK SPECIFICATION - BIKE HITCH (I-33a)

NOT TO SCALE

Holophane Lighting model ESP70DMH12A5-PR
Luminaire shall be furnished and installed
by The Central Maine Power Company under
the municipal lease agreement for street lighting. Luminaire shall be custom colar RAL—6012 (dark green). olophane Lighting model S-MP70/NED 64546 Vertical mounted, 70 watt mogul base clear mutal halide lamp. BRACKET ARM Holophone Lighting model PD42CARAL6012 Steel crossarm with a post-top fitting for a 3-1/2" by 8" tenon. Bracket arm shall be custom color RAL-6012 (dark grean). SLIP FITTER
Holophane Lighting model WLLF200SCARAL6012
2-3/8" O.D. with swivel cost fitter. Slip fitter shall be custom color RAL-6012 (dark green).

LIGHTING POLE
Tapered aluminum pole shaft rated for a 90mph wind load with a 1.3 gust factor.
Provide four hot—dipped galvanized steel L-type anchor bolts. Lighting pole shall be custom color RAL-8012 (dork green).

DECORATIVE POLE BASE
Holophane Lighting NY10S517CARAL6012
Decorative clamabell cost cluminum base. Hordwore shall be stainless steel. Decorative pole base shall be custom color RAL-6012 (dark green). APPLICATION

Sidewalk lighting or small area lighting.
Suggested layout: 60-80 ft on center (one side only) 100-175 ft on center (staggered pottern both sides) DARK GREEN-TIGER DRYLAC RAL 6012 City of Portland, Maine Street & Sidewalk Lighting CONGRESS STREET DISTRICT

Pedestrian Lighting Pole-Style 1

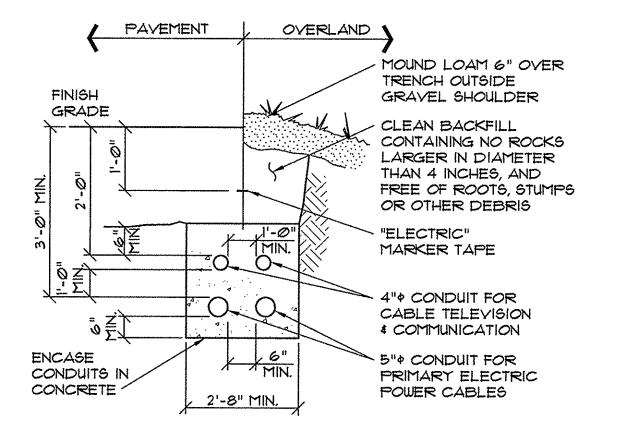
NOT TO SCALE

DOWNTOWN DISTRICT PEDESTRIAN SCALE LIGHT-STYLE 1 (X-3B)

GRATE: HARCO OR NYLOPLAST-ADS OR APROVED EQUAL FIELD INLET: HARCO OR NYLOPLAST-ADS DRAIN BASIN OR APPROVED EQUAL 3/4" CRUSHED STONE - 4" O UNDERDRAIN 8" PIPE

FIELD INLET DETAIL

NOT TO SCALE



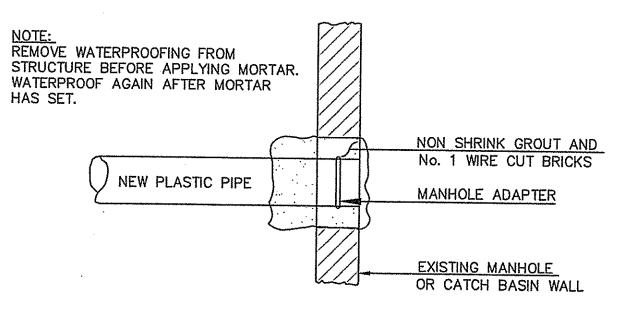
INSTALLATION SHALL NOT ALLOW INTER-TWINING OF CABLES.

2. PROVIDE SCH. 40 PVC CONDUIT FULL LENGTH OF INSTALLATION.

CABLE TRENCH SECTION

NOT TO SCALE

NOTE: EXISTING MANHOLE OR CATCH BASIN SHALL BE CORE DRILLED FOR PIPE INSTALLATION. IF PIPE DIAMETER IS SO LARGE THAT CORE DRILLING IS PROHIBITED, THE CONTRACTOR MAY SAW CUT THE STRUCTURE TO CREATE PIPE OPENING. THE NEW OPENING MUST THEN BE SEALED AND WATERTIGHT BOTH INSIDE AND OUTSIDE THE STRUCTURE.



METHOD 3 - NEW PIPE INTO EXISTING STRUCTURE

PLASTIC PIPE

(5) CONNECTION METHODS 3 (II-14)

NOT TO SCALE

UNDERGROUND UTILITIES WARNING TAPE

IDENTIFICATION TAPE TO BE INSTALLED ABOVE ALL NEW UNDERGROUND UTILITIES AND ABOYE ANY EXISTING UTILITIES THAT MAY BE EXPOSED BY THIS CONSTRUCTION.

DETECTABLE UNDERGROUND MARKING TAPE TO BE PERMANENT BRIGHT-COLORED, CONTINUOUS-PRINTED PLASTICIZED ALUMINUM TAPE, INTENDED FOR DIRECT-BURIAL SERVICE NOT LESS THAN 3" WIDE X 5 MILS THICK. PROVIDE TAPE WITH BLACK PRINTING IDENTIFYING THE UTILITY. DETECTABLE WARNING TAPE REQUIRED OVER ALL WATER, SEWER, DRAINAGE, OR GAS UTILITIES. TAPE TO BE TERRA TAPE BY REEF INDUSTRIES, INC., www.reefindustries.com. OR EQUAL.

APWA UNIFORM COLOR CODE:

WHITE PROPOSED EXCAVATION PINK TEMPORARY SURVEY MARKINGS

RED ELECTRIC POWER LINES, CABLES, CONDUIT AND LIGHTING CABLES YELLOW GAS, OIL, STEAM, PETROLEUM OR GASEOUS MATERIALS ORANGE COMMUNICATION, ALARM OR SIGNAL LINES, CABLES OR CONDUIT

BLUE POTABLE WATER

PURPLE RECLAIMED WATER, IRRIGATION AND SLURRY LINES

GREEN SEWERS AND DRAIN LINES

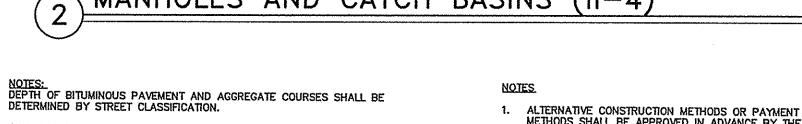
UNDERGROUND UTILITIES WARNING TAPE

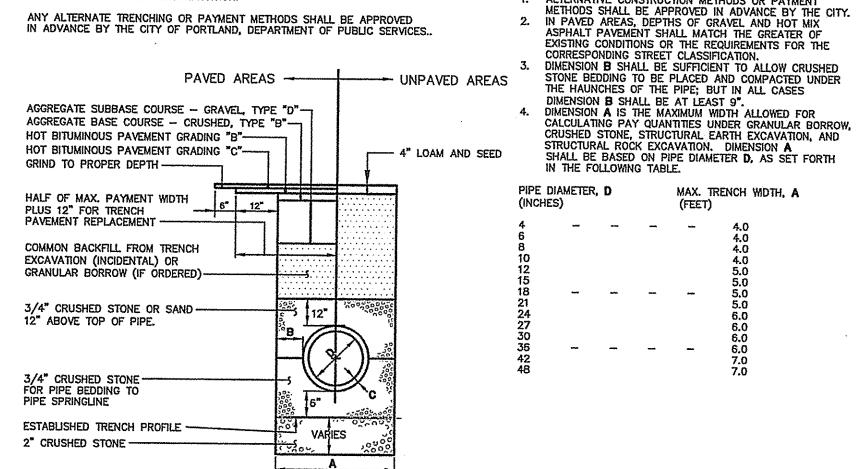
GENERAL NOTES FOR MANHOLES AND CATCH BASINS

- ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 Ibs. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.
- 2. MANHOLES MAY BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.
- 3. PRECAST REINFORCED CONE BARREL MANUFACTURED PER ASTM SPEC. C-478.
- 4. ALL STORM AND SEWER MANHOLE COVERS SHALL BE SOLID AND SHALL HAVE ONE 7/8" DIAMETER DRILLED PICK HOLE LOCATED B" FROM THE CENTER OF THE COVER.
- 5. ALL SANITARY MANHOLE COVERS SHALL HAVE "SEWER" CAST INTO THE COVER. ALL STORMWATER/DRAIN MANHOLE COVERS SHALL HAVE "DRAIN" CAST INTO THE
- 6. ALL MANHOLE RISERS SHALL BE ETHERIDGE 24" OR
- 7. SEWER BRICK SHALL CONFORM TO ASTM SPEC. DESIGNATE ON C-32-63, GRADE MA AND SA.

- 8. ALL SANITARY MANHOLES SHALL HAVE A WATERPROOFING COATING APPLIED TO THE EXTERIOR SURFACE.
- 9. CATCH BASIN FRAMES FOR TYPE A4 CATCH BASIN CURB INLETS SHALL BE ETHERIDGE DRSA OR APPROVED EQUAL
- 10. CASTINGS SHALL CONFORM TO ASTM DESIGNATION A48-CLASS 35.
- 11. EXISTING MANHOLES, CATCH BASINS, FRAMES, AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.
- 12. ALL CATCH BASIN OUTLETS SHALL BE INSTALLED WITH A CASCO TRAP. SEE FIGURE II—09.

GENERAL NOTES FOR MANHOLES AND CATCH BASINS (II-4





3 TYPICAL PIPE TRENCH INSTALLATION (11-12)

CONGRESS STREET RTLAND, MAINE 04101 FREI 76 Por DITIO

GREER ENGINEERS

PINKHAM & C

MAP/LOT /BLOCK 3/L/1

T. LAWRENCE AF 6 CONGRESS STREET ORTLAND, ME