GENERAL PLAN

SEE SITE PLAN FOR INDIVIDUAL LAYOUTS

CHAINLINK GATES

WOOD NOTES:

1. ALL WOOD TO BE PRESSURE TREATED TO A MIN. NET OF .40 lbs. CCA PER CUBIC FOOT OF WOOD AND EACH PIECE SHALL BEAR THE AMERICAN WOOD PRESERVER'S ASSOCIATES QUALITY MARK LP-22 "GROUND CONTACT USE."
2. ALL NAILS AND SCREWS TO BE GALVANIZED.

SECTION

SECTION

PLAN VIEW – CORNER POST SLEEVE

PLAN VIEW – INTERMEDIATE POST SLEEVE

POST SLEEVE DETAILS

REQUIRED AT MEDICAL BUILDING DUMPSTER PAD

1 DUMPSTER ENCLOSURE DETAIL

NOT TO SCALE

LAYOUT DETAIL

4 BIKE RACK DETAIL

NOT TO SCALE

2 STEEL BOLLARD DETAIL

NOT TO SCALE

NOTES:

1. CONCRETE BASE DIMENSIONS AND DESIGN ARE MINIMUM REQUIREMENTS. COORDINATE WITH MANUFACTURER FOR ACTUAL REQUIREMENTS BASED ON POLE STYLE AND HEIGHT.

5 FLAGPOLE BASE DETAIL

NOT TO SCALE

3 LIGHT POLE BASE DETAIL

NOT TO SCALE

UTILITY NOTES

1. ALL INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE AFFECTED UTILITY'S STANDARDS.
2. CATCHBASINS AT THE EDGE OF PAVEMENT OR FACE OF CURB, ROTATE ECCENTRIC CONE OR FLAT COVER AS REQUIRED FOR BEST FIT.
3. INSTALL AND TEST SEWER AND STORM DRAIN SYSTEMS IN ACCORDANCE WITH THE CITY'S ORDINANCES. TESTING SANITARY SEWER PIPE AND MANHOLES IS REQUIRED.
   PIPE: LOW PRESSURE AIR (5PSIG) FOR 5 MINUTES.
   STRUCTURES: VACUUM TEST, XX MM LTG FOR XX MINUTES PRIOR TO BUILDING INVERT OR CHIMNEY.
4. INSTALL ALL PIPES WITH THE BELLS UPGRADIENT.
5. INVERTS FOR TIE-INS FROM FOUNDATION DRAINS ARE NOT SHOWN. MAINTAIN A POSITIVE SLOPE TO CONNECTION OR OUTLET. COMPLY WITH LOCAL ORDINANCES OR STANDARDS WITH RESPECT TO CONNECTING FOUNDATION DRAINS TO STORM DRAIN SYSTEM.
6. WATER MAIN TO HAVE A MINIMUM 5.5' OF COVER. WHERE THE WATER MAIN CROSSES OTHER UTILITIES IT MAY NEED TO BE DEEPER.
7. INSULATION FOR SEWER AND CULVERT CROSSINGS:
   A. INSULATION TO BE STYROFOAM SM INSULATION AS MANUFACTURED BY DOW CHEMICAL CO., OR APPROVED EQUAL, 2" MIN. THICKNESS.
   B. INSTALL BETWEEN SEWER OR FORCEMAIN PIPE AND CULVERTS WHERE THEY ARE WITHIN 18" OF EACH OTHER VERTICALLY: 2" THICK x 4' WIDE, EXTEND INSULATION 6' EACH SIDE OF THE CULVERT ALONG THE CROSSING PIPE.
   C. INSTALL OVER SEWER OR FORCEMAIN PIPE WHERE THERE IS LESS THAN 4' OF COVER BETWEEN THE TOP OF PIPE AND FINISH GRADE: 2" THICK x 4' WIDE CENTERED ON THE PIPE, 6" ABOVE THE PIPE.
   D. FOR DUAL PIPES EXTEND INSULATION AT LEAST 2 FEET BEYOND THE OUTER EDGES OF PIPES.
8. PRECAST CATCH BASIN COMPONENTS TO COMPLY WITH ASTM C478.
9. LIMIT OF ROCK PAYMENT:

   PRECAST CONCRETE STRUCTURES:
   DEPTH: 12" BELOW STRUCTURE,
   WIDTH: STRUCTURE O.D. + 2'

   TRENCHES:
   DEPTH: 6" BELOW PIPE OR CABLE INVERT,
   WIDTH: PIPE O.D. OR CABLE + 12", MIN. 3' WIDE

   LIGHTPOLE BASE:
   LIMIT OF CONCRETE BASE

   PAVED SURFACES:
   BOTTOM OF SUBBASE RELATIVE TO FINISH SURFACE
10. IDENTIFICATION TAPE TO BE INSTALLED ABOVE ALL NEW UNDERGROUND UTILITIES AND ABOVE 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
11. MATERIALS: SEE PLANS FOR SIZES

    STORM DRAIN:
    TYPICAL: PE NI2, SMOOTH WALL
    WITHIN R.O.W. OF STATE ROAD: REINFORCED CONCRETE PIPE

    UNDERDRAIN: PERFORATED PE NI2
    MEETING AASHTO H-20 LOADING

    SANITARY SEWER: PVC, SDR 35
    MEETING ASTM D3034 W/ A REMOVABLE GASKET MEETING ASTM D3212

    FORCEMAIN: PVC, SDR 11

    WATER MAIN: CEMENT LINED DUCTILE IRON CLASS 52

    WATER SERVICE: CTS 200 PSI, PE

    FOUNDATION DRAIN: PERFORATED PE NI2
    MEETING AASHTO H-20 LOADING
    COORD. WITH STRUCTURAL FOR CONNECTION WITHIN 8' OF FOUNDATION

PINKHAM & GREER CIVIL ENGINEERS
28 WARREN AVE., PORTLAND, ME. 04103
TEL: 207.781.5242 FAX: 207.781.4245

STATE OF MAINE THOMAS S. GREER No. 4508 LICENSED PROFESSIONAL ENGINEER
8/25/16

Reviewed for Code Compliance Inspection Division Approved as Noted
Date: 02/07/17

REV.	DATE	DESCRIPTION
1	8/25/16	REV'D PER CITY REVIEW COMMENTS

NORTHLAND ENTERPRISES, LLC
17 SOUTH STREET
PORTLAND, MAINE 04101

SCALE: AS SHOWN
DATE: JUNE 17, 2016
PROJECT: 13151
DRN BY: RJS
DESG BY: TSG
CHK BY: TSG

1945 CONGRESS STREET
ELKS LODGE, PORTLAND, MAINE

DETAILS

C2.5

MAP/LOT 216-A-6 & 217-A-1