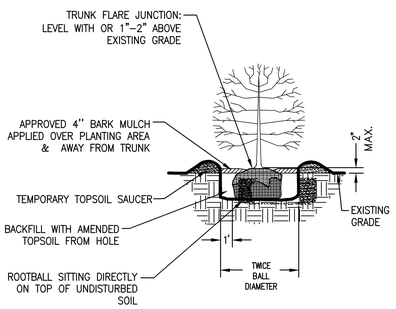
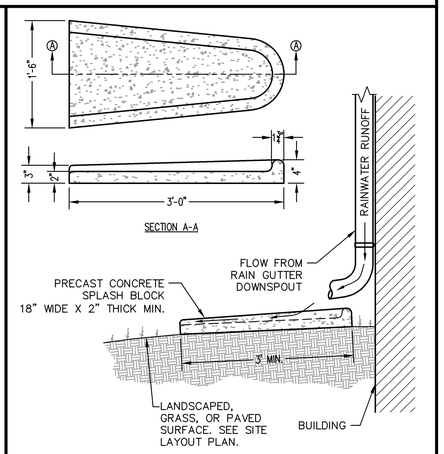
NOTE: NEVER CUT A LEADER. THIN BRANCHES & FOLIAGE BY 1/3 RETAINING NORMAL TREE SHAPE. PAINT ALL CUTS OVER 1/2" WITH APPROVED TREE PAINT.



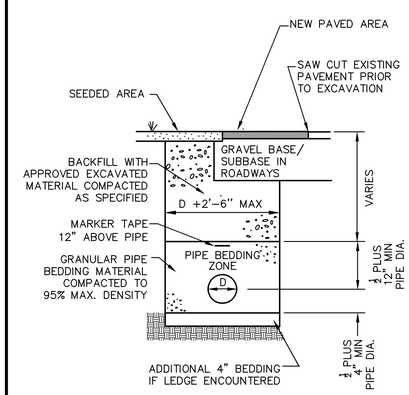
TYPICAL SHRUB PLANTING DETAIL — C5

NOT TO SCALE



TYPICAL SPLASH BLOCK — C4

NOT TO SCALE

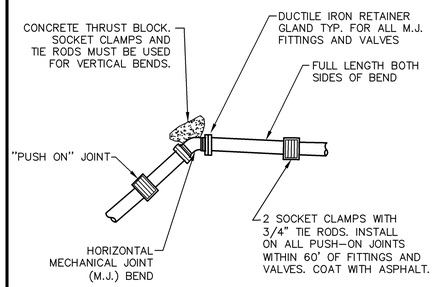


PIPE TRENCH — B5

NOT TO SCALE

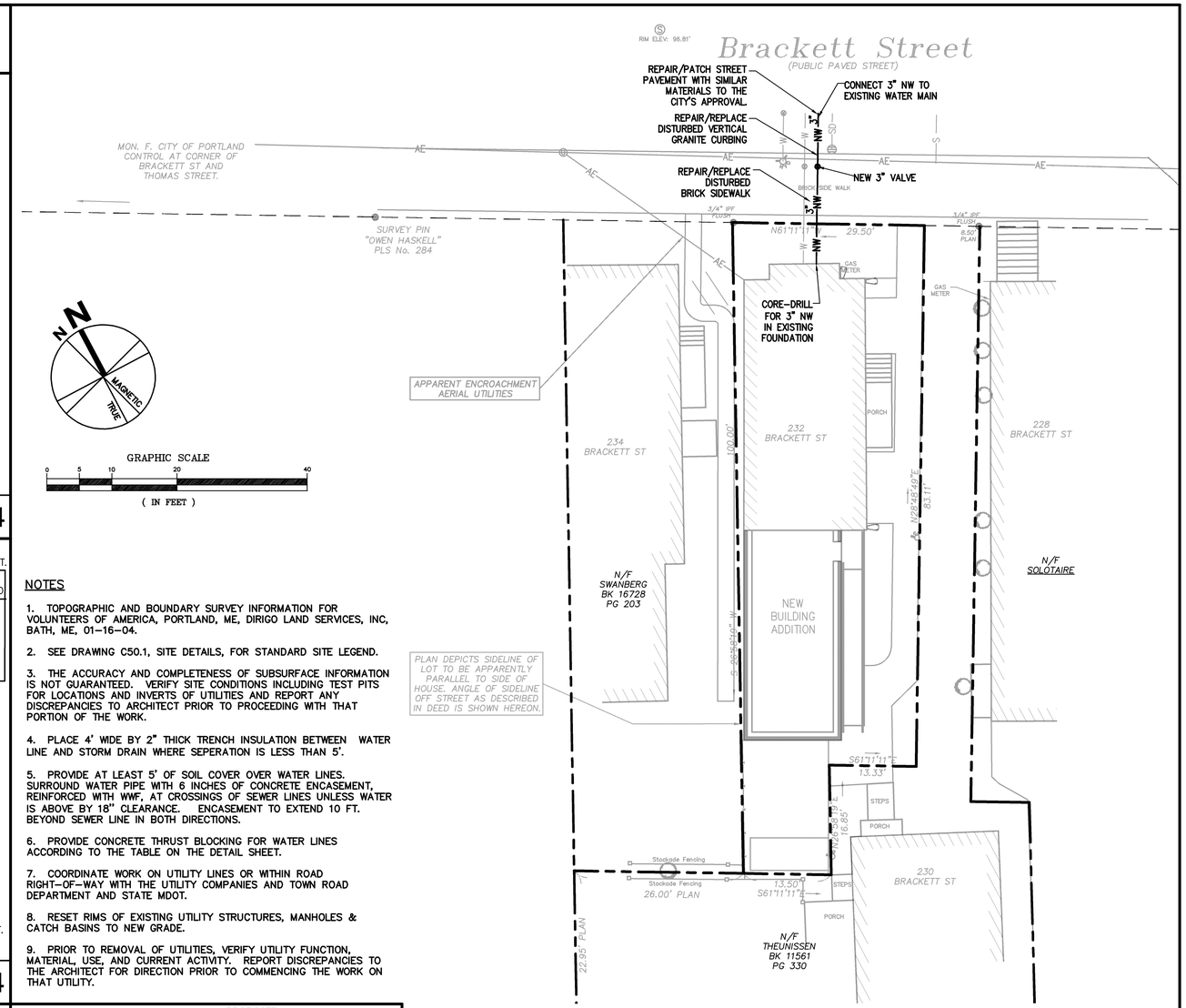
GENERAL DATA FOR BLOCKING STANDARD FITTINGS
MINIMUM SURFACE AREA OF CONCRETE BLOCK AGAINST UNDISTURBED EARTH – SQ.FT.

PIPE SIZE	HYDRANT, PLUG CAP, TEE	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	4	4	4	3	2
6"	8	10	6	4	3
8"	12	16	10	6	4
10"	18	26	14	8	5
12"	26	36	20	12	7
14"	36	50	28	16	9
16"	46	64	36	20	12



RESTRAINT AT FITTINGS WATER LINES — B4

NOT TO SCALE



NOTES

1. TOPOGRAPHIC AND BOUNDARY SURVEY INFORMATION FOR VOLUNTEERS OF AMERICA, PORTLAND, ME, DIRIGO LAND SERVICES, INC, BATH, ME, 01–16–04.

2. SEE DRAWING C50.1, SITE DETAILS, FOR STANDARD SITE LEGEND.

3. THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION IS NOT GUARANTEED. VERIFY SITE CONDITIONS INCLUDING TEST PITS FOR LOCATIONS AND INVERTS OF UTILITIES AND REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.

4. PLACE 4' WIDE BY 2" THICK TRENCH INSULATION BETWEEN WATER LINE AND STORM DRAIN WHERE SEPERATION IS LESS THAN 5'.

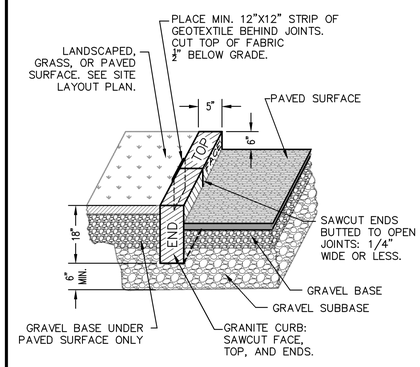
5. PROVIDE AT LEAST 5' OF SOIL COVER OVER WATER LINES. SURROUND WATER PIPE WITH 6 INCHES OF CONCRETE ENCASEMENT, REINFORCED WITH WWF, AT CROSSINGS OF SEWER LINES UNLESS WATER IS ABOVE BY 18" CLEARANCE. ENCASEMENT TO EXTEND 10 FT. BEYOND SEWER LINE IN BOTH DIRECTIONS.

6. PROVIDE CONCRETE THRUST BLOCKING FOR WATER LINES ACCORDING TO THE TABLE ON THE DETAIL SHEET.

7. COORDINATE WORK ON UTILITY LINES OR WITHIN ROAD RIGHT–OF–WAY WITH THE UTILITY COMPANIES AND TOWN ROAD DEPARTMENT AND STATE MDOT.

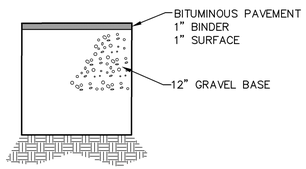
8. RESET RIMS OF EXISTING UTILITY STRUCTURES, MANHOLES & CATCH BASINS TO NEW GRADE.

9. PRIOR TO REMOVAL OF UTILITIES, VERIFY UTILITY FUNCTION, MATERIAL, USE, AND CURRENT ACTIVITY. REPORT DISCREPANCIES TO THE ARCHITECT FOR DIRECTION PRIOR TO COMMENCING THE WORK ON THAT UTILITY.



VERTICAL GRANITE CURBING: VGC — A5

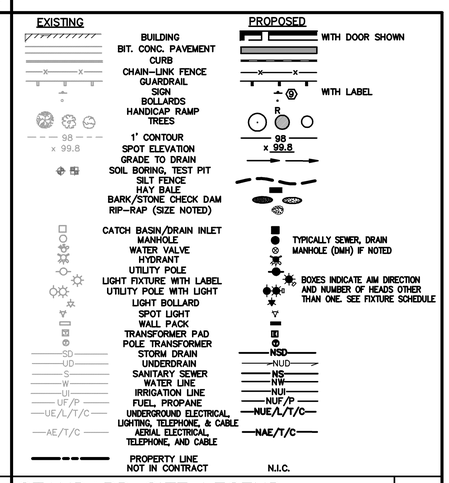
NOT TO SCALE



BITUMINOUS SIDEWALK

BITUMINOUS PAVEMENT DETAIL — A4

NOT TO SCALE



STANDARD SITE LEGEND — A3

NOT TO SCALE

UTILITY LOCATION REQUIREMENTS

PRIOR TO EXCAVATION, VERIFY THE UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND FACILITIES. PROVIDE THE FOLLOWING MINIMUM MEASURES:

A. PRE–MARK THE BOUNDARIES OF YOUR PLANNED EXCAVATION WITH WHITE PAINT, FLAGS OR STAKES, SO UTILITY CREWS KNOW WHERE TO MARK THEIR LINES.

B. CALL DIG SAFE, AT 1–888–DIGSAFE, AT LEAST THREE BUSINESS DAYS – BUT NO MORE THAN 30 CALENDAR DAYS – BEFORE STARTING WORK. DON'T ASSUME SOMEONE ELSE WILL MAKE THE CALL.

C. IF BLASTING, NOTIFY DIG SAFE AT LEAST ONE BUSINESS DAY IN ADVANCE.

D. WAIT THREE BUSINESS DAYS FOR LINES TO BE LOCATED AND MARKED WITH COLOR–CODED PAINT, FLAGS OR STAKES. NOTE THE COLOR OF THE MARKS AND THE TYPE OF UTILITIES THEY INDICATE. TRANSFER THESE MARKS TO THE AS–BUILT DRAWINGS.

E. CONTACT THE LANDOWNER AND OTHER "NON–MEMBER" UTILITIES (WATER, SEWER, GAS, ETC.), FOR THEM TO MARK THE LOCATIONS OF THEIR UNDERGROUND FACILITIES. TRANSFER THESE MARKS TO THE AS–BUILT DRAWINGS.

F. RE–NOTIFY DIG SAFE AND THE NON–MEMBER UTILITIES IF THE DIGGING, DRILLING OR BLASTING DOES NOT OCCUR WITHIN 30 CALENDAR DAYS, OR IF THE MARKS ARE LOST DUE TO WEATHER CONDITIONS, SITE WORK ACTIVITY OR ANY OTHER REASON.

G. HAND DIG WITHIN 18 INCHES IN ANY DIRECTION OF ANY UNDERGROUND LINE UNTIL THE LINE IS EXPOSED. MECHANICAL METHODS MAY BE USED FOR INITIAL SITE PENETRATION, SUCH AS REMOVAL OF PAVEMENT OR ROCK.

H. DIG SAFE REQUIREMENTS ARE IN ADDITION TO TOWN, CITY AND/OR STATE DOT STREET OPENING PERMIT REQUIREMENTS.

I. FOR COMPLETE DIG SAFE REQUIREMENTS, CALL THE PUC OR VISIT THEIR WEBSITE.

J. IF YOU DAMAGE, DISLOCATE OR DISTURB ANY UNDERGROUND UTILITY LINE, IMMEDIATELY NOTIFY THE AFFECTED UTILITY. IF DAMAGE CREATES SAFETY CONCERNS, CALL THE FIRE DEPARTMENT AND TAKE IMMEDIATE STEPS TO SAFEGUARD HEALTH AND PROPERTY.

K. ANY TIME AN UNDERGROUND LINE IS DAMAGED OR DISTURBED, OR IF LINES ARE IMPROPERLY MARKED, YOU MUST FILE AN INCIDENT REPORT WITH THE PUC. FOR AN INCIDENT REPORT FORM VISIT WWW.STATE.ME.US/MPUC OR CALL THE PUC AT 1–800–452–4699.

SITE UTILITIES — A1

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Project Title

BRACKETT ST. RESIDENCE RENOVATIONS

PORTLAND, MAINE

HA Project No.	03171

Key Plan

Mark	Date	Description
	10–18–04	ISSUED FOR BID

Issue Dates

Drawing Status

Drawing Title

SITE DETAILS AND UTILITY PLAN

PA / PE: FLC	Drawn By: MRL

Drawing Number

C50.1