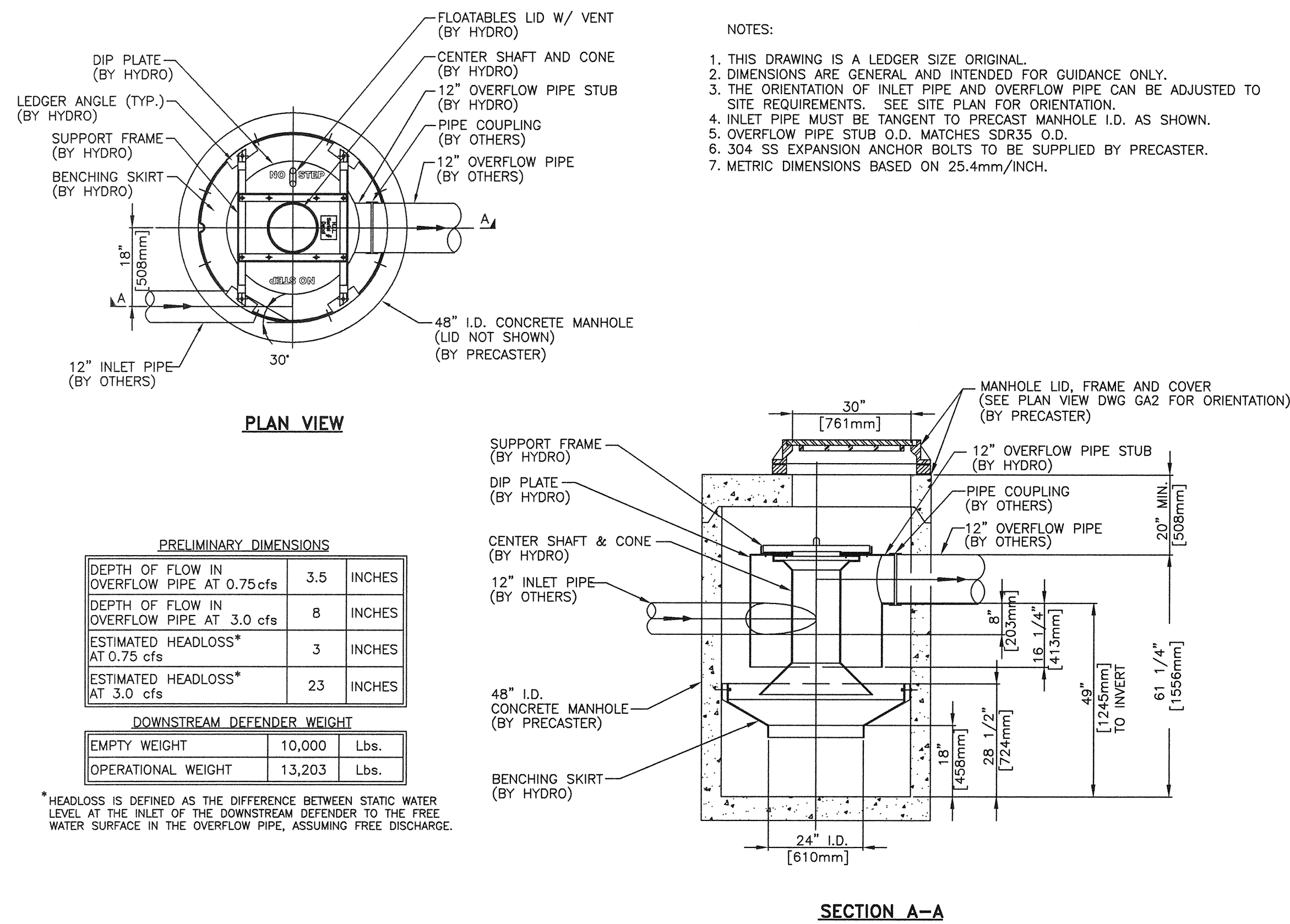


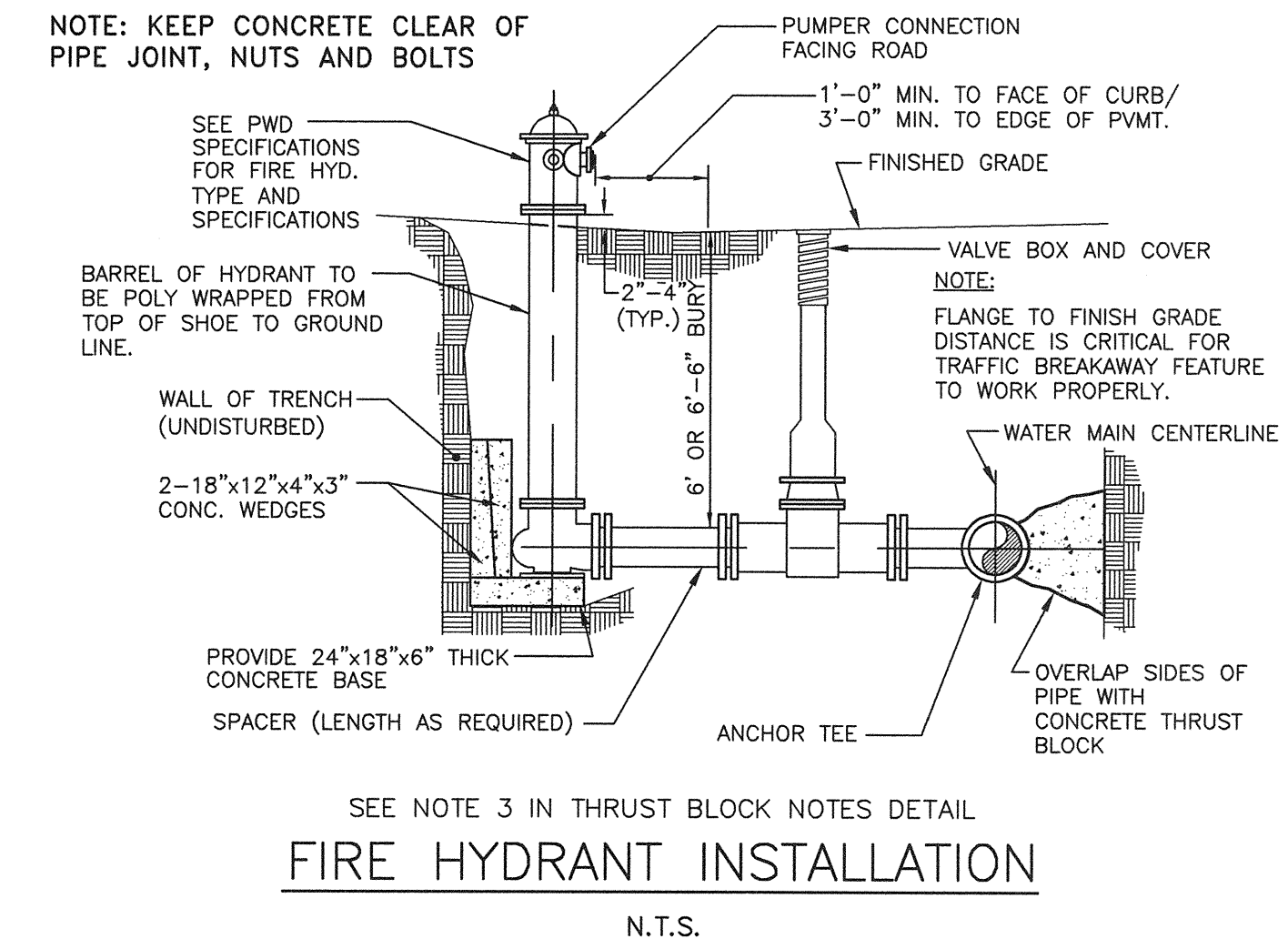
ELECTRICAL CONDUIT PROFILES
N.T.S.



4' DIAMETER DOWNSIDE DEFENDER OIL/WATER SEPARATOR
N.T.S.

Hydro
International

94 Hutchins Drive
Portland, Maine 04102
tel: (207) 756-6200
fax: (207) 756-6212
email: hiltch@hil-tech.com



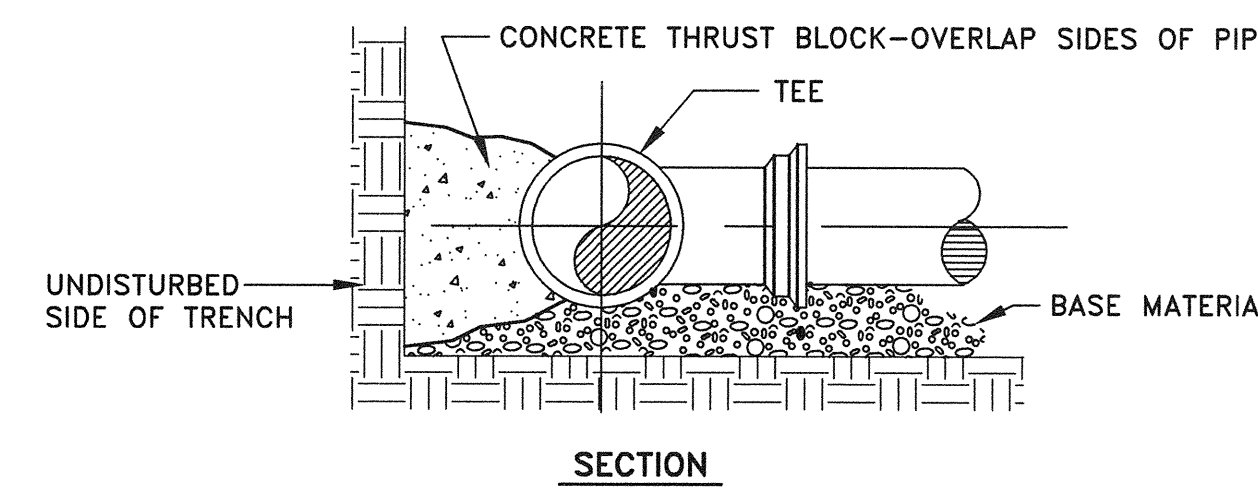
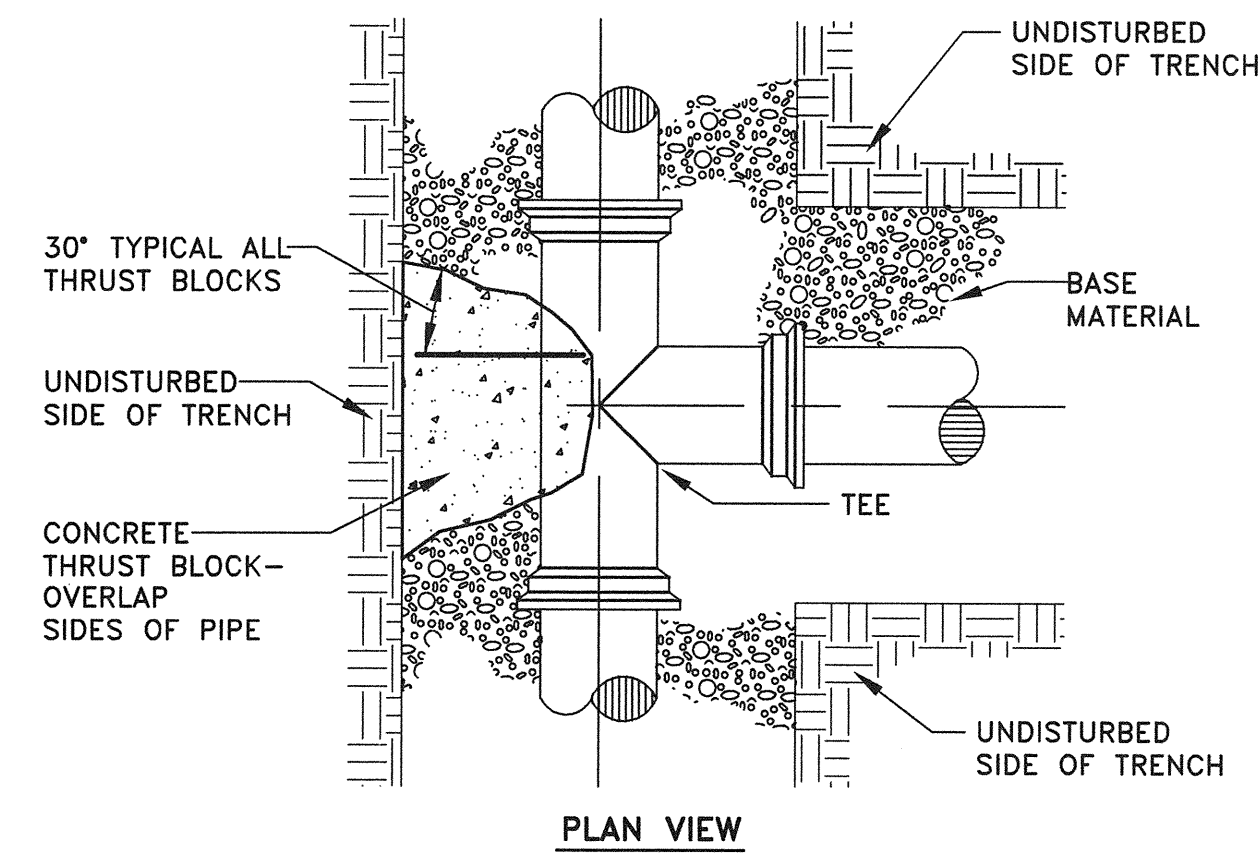
THRUST BLOCK NOTES

- INSTALL POLY BARRIER BETWEEN PIPE AND ALL THRUST BLOCKS.
- ANY MODIFICATION TO THRUST BLOCK SIZING OR PIPE RESTRAINT REVISIONS SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO IMPLEMENTATION IN THE FIELD
- ANY WORK RELATING TO WATER PIPING OR DETAILS SHALL BE IN ACCORDANCE WITH THE PORTLAND WATER DISTRICT SPECIFICATIONS

PIPE SIZE	1/32 BEND	1/16 BEND	1/8 BEND	1/4 BEND	TEES/CAPS
4"	1.8	3.6	7.0	12.8	9.1
6"	3.7	7.3	14.3	26.4	8.7
8"	6.4	12.6	24.7	45.5	32.2

BEARING SURFACE REQUIRED IN SQUARE FEET

NOTE: KEEP CONCRETE CLEAR OF PIPE JOINT, NUTS AND BOLTS



TYPICAL THRUST BLOCK PLACEMENT ON TEES
N.T.S.

Prepared For:
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BAYSIDE VILLAGE
A STUDENT HOUSING COMPLEX
Portland, Maine
120 Marginal Way

Date:
JUNE 15, 2007

Issued For:
ISSUED FOR FOUNDATION PRICING AND FOUNDATION PERMIT

Revisions:

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Title:
UTILITY AND DRAINAGE DETAILS

Scale: NONE

North:

Sheet No:

11

