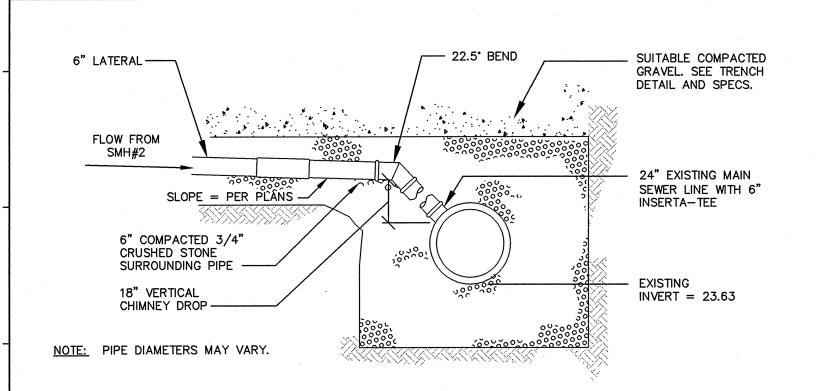


TYPE "A" MANHOLE COVER AND FRAME N.T.S.



SANITARY LATERAL CONNECTION N.T.S

GENERAL NOTES

ASTM SPEC. C-478-67

IFCATIONS SECTION 604.

BY THE MANUFACTURER.

OF THE CITY OF PORTLAND.

ONE DRILLED HOLE.

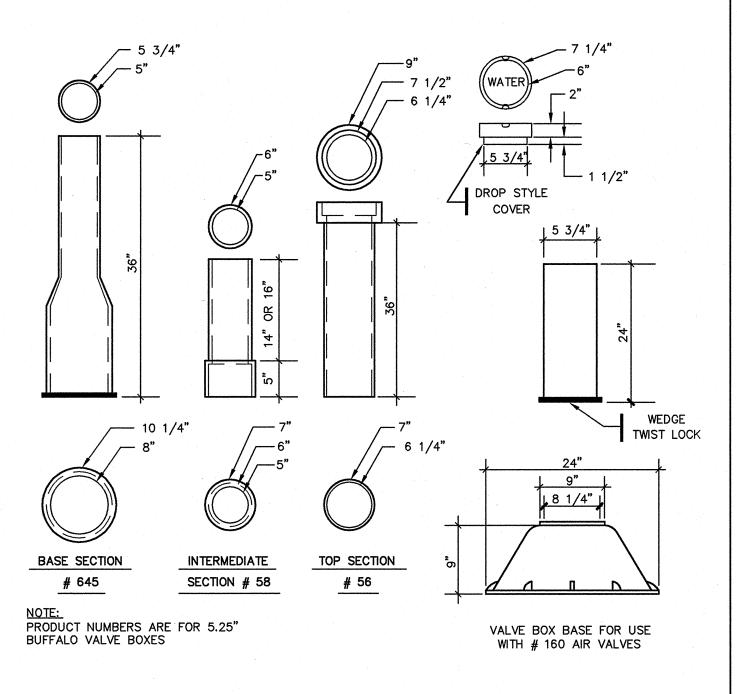
WITH 12" OUTLETS.

C-32-63, GRADE MA AND SA.

END OF 28 DAYS, UNLESS OTHERWISE NOTED.

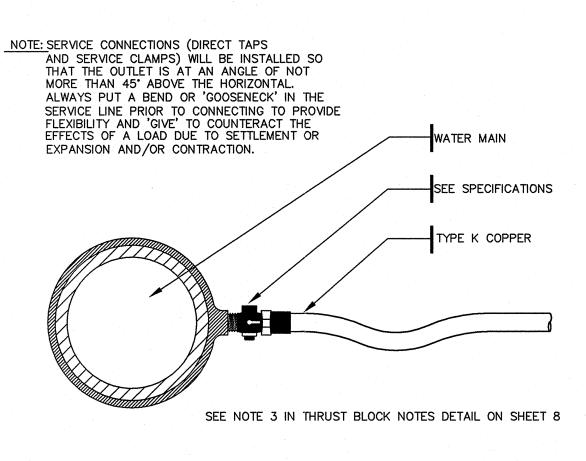
SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.

REINFORCED CONCRETE, OR CAST IN PLACE.

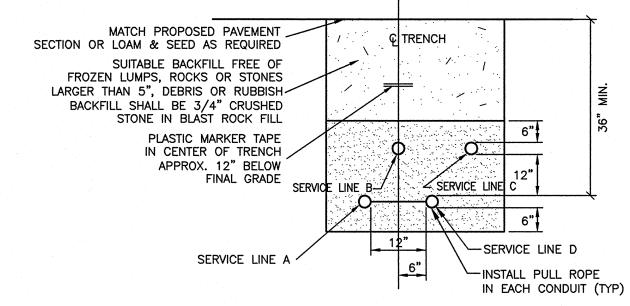


SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL

TYPICAL VALVE BOXES N.T.S.



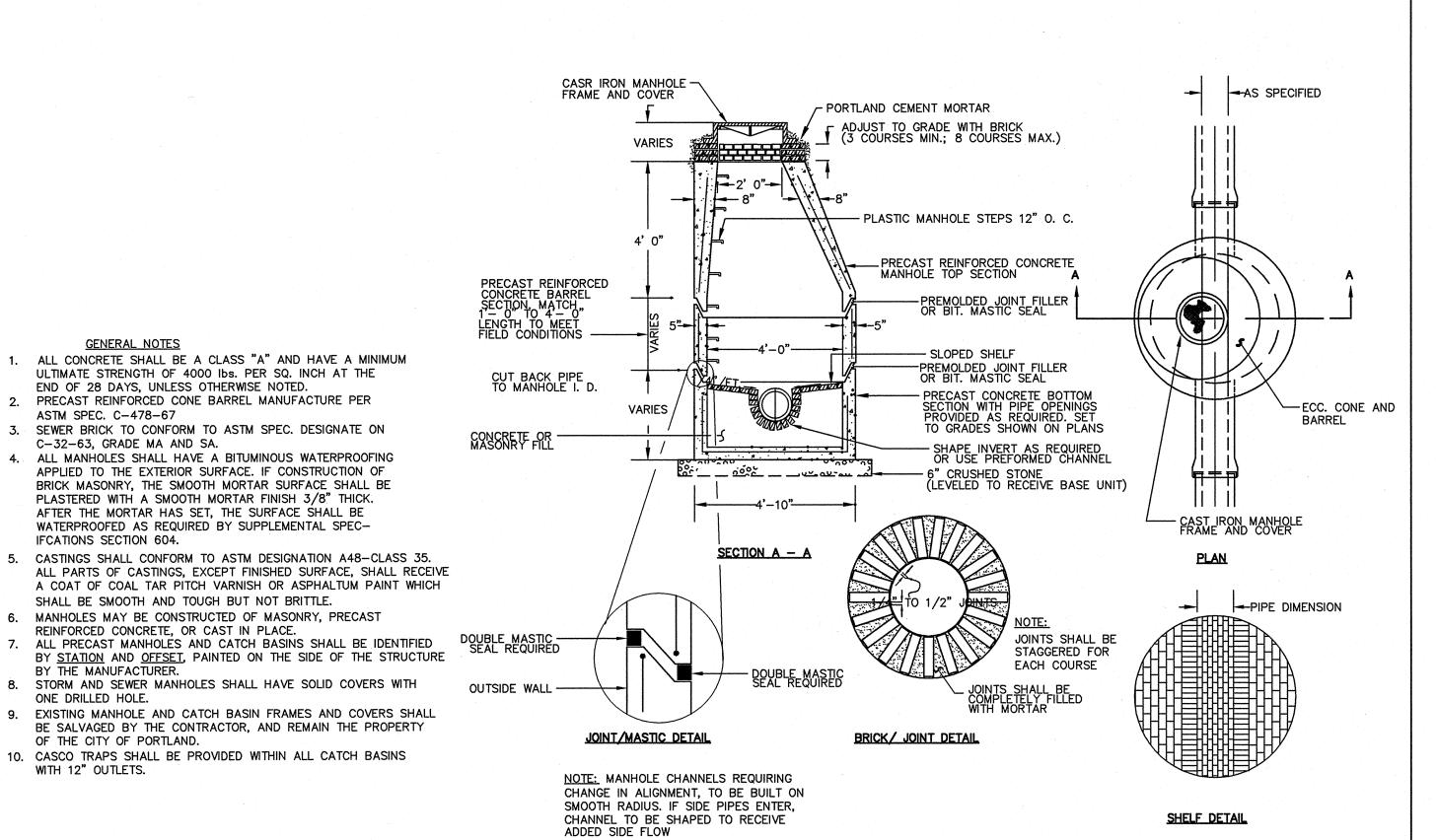
WATER SERVICE (1 1/2" AND 2 1/2" C.C. OR IRON PIPE THREAD)



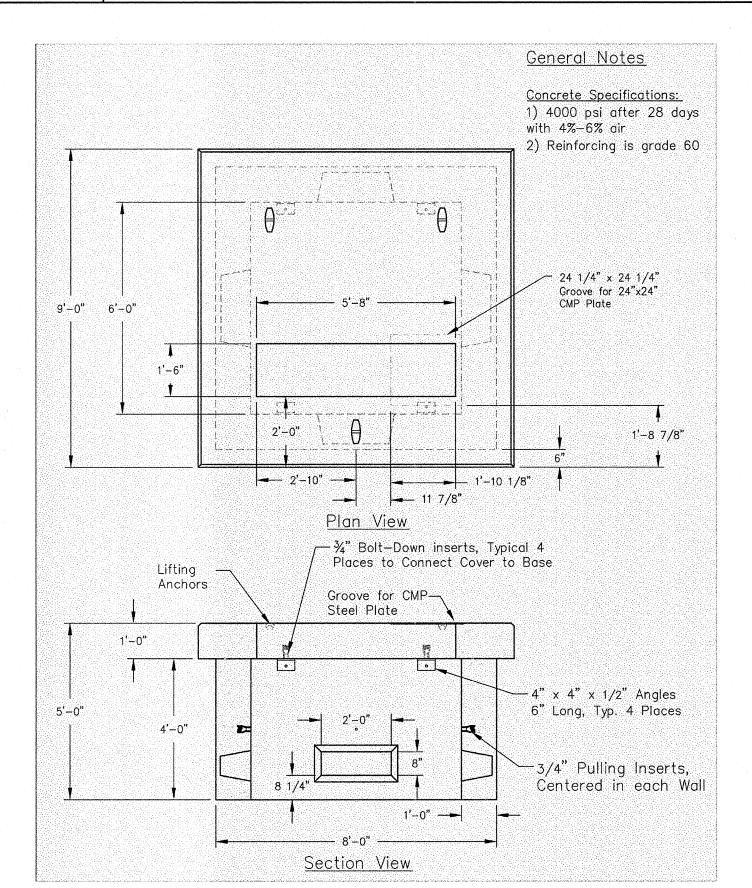
CONDUIT TYPE **SERVICE** PAVED AREAS <u>UTILITY</u> <u>REMARKS</u> 2-5" SCHEDULE 40 PVC PRIMARY POWER SEE NOTE ELECTRICAL GRADE SCHEDULE 40 PVC SEE NOTE TELEPHONE SCHEDULE 40 PVC CABLE SEE NOTE SCHEDULE 40 PVC SEE NOTE ELECTRICAL GRADE

> NOTE: ONE CONDUIT CAPPED FOR SPARE, PROVIDE GALVANIZED STEEL LONG SWEEP AT RISER POLE AND EXTEND GALVANIZED CONDUIT TO 10" ABOVE GRADE AT POLE WITH STAND-OFF BRACKETS

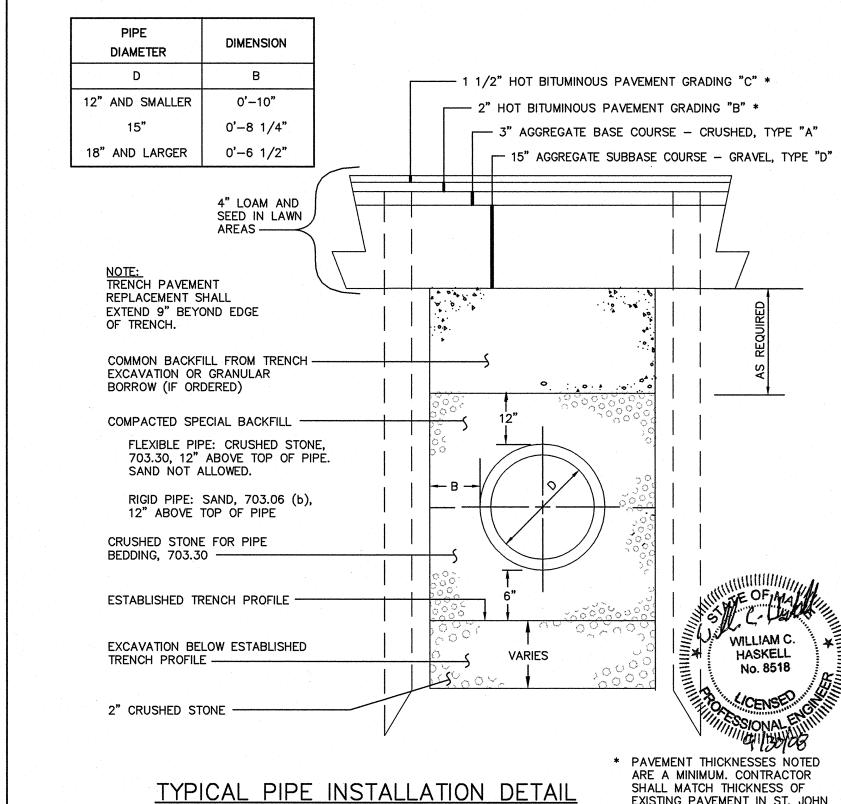
<u>UTILITY TRENCH — </u> PRIMARY AND SECONDARY POWER, TELEPHONE, AND CABLE N.T.S.



PRECAST CONCRETE MANHOLE TYPE "A" N.T.S.



<u> 3 PHASE TRANSFORMER PAD 9'X9' - CMP</u> N.T.S.



LANDSCAPE ARCHITECT

N.T.S.

Gorrill-Palmer Consulting Engineers, Traffic and Civil

EXISTING PAVEMENT IN ST. JOHN

E-Mail: mailbox@gorrillpalmer.com

STREET AND VALLEY STREET.

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Gawron

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HOUSING

D

OH

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R

REVISIONS # DATE DESCRIPTION

5.2.08 90% MAINE HOUSING

9.2.08 100% BID DOCUMENTS

3 7.31.08 100% MAINE HOUSING

MAINE HOUSING

50% REVIEW SET

REVIEW SET

REVIEW SET

12.7.07

100405

CAP

WH

N.T.S.

12.7.07

DATE:

PROJECT #

DRAWN BY:

CHECKED BY:

DRAWING SCALE

SHEET TITLE

UTILITY AND

DRAINAGE DETAILS

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