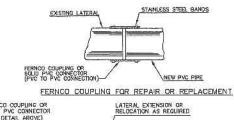


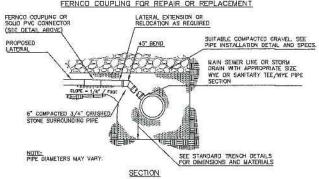
TELEPHONE / CABLE T.V. & STREET LIGHTING TRENCH

NOTES:

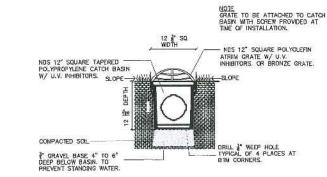
1. LOCATIONS AND ELEVATIONS OF STUBS ON THE PLANS ARE TO BE CONSIDERED AS APPROXIMATE AND MAY BE ADJUSTED AS DIRECTED TO SUIT FIELD CONDITIONS.

2. HOUSE CONNECTIONS AND CATCH BASIN CONNECTIONS TO BE MAIN LINE OF THE SEMER, SHALL CONSIST OF AN APPROPRIATE "Y" BRANCH CONNECTION AS SHOWN ON THE PLANS, OR AS DIRECTED. ACTUAL "Y" LOCATIONS FOR THE HOUSE CONNECTIONS AND CATCH BASIN CONNECTIONS SHALL BE DETERMINED DURING CONSTRUCTION. THE CONTRACTOR SHALL REP OF COMPLETE RECORD OF "Y LOCATIONS WHICH SHALL BE GIVEN TO THE CITY OF PORTIANO UPON COMPLETION OF THE CONTRACT ALL PION TO PVC COUPLING SHALL BE "SOLLD PVC COUPLINGS".

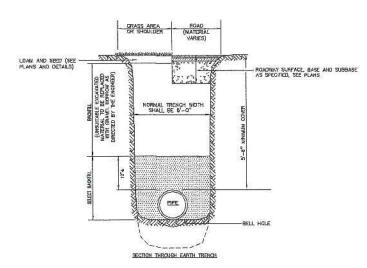




TYPICAL LATERAL WYE CONNECTION DETAIL

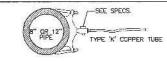


6 NDS 12" SQ. SHALLOW CATCHBASIN



PORTLAND WATER DISTRICT PIPE TRENCH DETAIL

NOT TO SOALE



SERVICE SADDLE

6 TYPICA
L6 NOT TO SCALE

(1-1/2" & 2" C.C. OR IRON PIPE THREAD)

TYPE 'K' COPPER TUBE

SERVICE TAP (3/4" AND 1" C.C. THREAD)

NOTE:
EERVICE CONNECTIONS (DIRECT
TAPS AND SERVICE CLAMPS) WILL
BE INSTALLED SO THAT THE
OUTLET IS AT AN ANGLE OF NOT
MORE THAN 45' ABOVE THE
HORIZONTAL ALWAYS PUT A BEIND
OR "GOOSENECK" IN THE SERVICE
LINE PRIOR TO CONNECTION TO
PROVIDE "REVIBILITY" AND "GIVE" TO
COUNTERACT THE EFFECTS OF A
LOAD DUE TO SETILEMENT OR
EXPANSON AND/OR CONTRACTION
(SEE DETAILS). (SEE DETAILS).

Prepared By: Mitchell &Associates

Owner:

AVESTA

ARCHITECTS ENGINEERIAAN SERBIT PORTIANU MANERALDI 2005 TEN OTO TAMBO FIX ENTITADOS

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· = 9 Maine

Portland,

Street

LANDSCAPE ARCHITECTS

70 Center Street Tel: (207) 174-442 Portano, Maine 64101 Fax: (207) 074-249

| PIPE | BEARING SURFACE SD. FI | SIZE (N) | TEF 90 | 45 | 22 1/2 11 1/4 | 2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

HORIZONTAL BEND

TYPICAL RESIDENTIAL WATER SERVICE CONNECTION

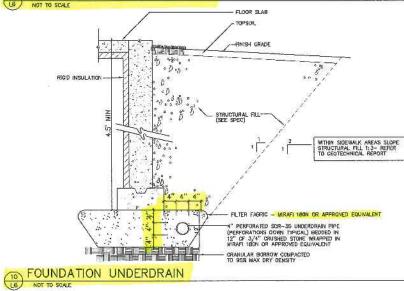
<u>UNIONATORO DE CONSTRUIR SECURIONE</u> REDUCER

TEE

PLUG

ANCHOR ALL 1/16, 1/8 & 1/4
BENDS ANCHOR AU. TEES W/
BRANCH LARGER THAN 6"
PLACE CONCRETE AGAINST
UNDISTURBED EARTH OR

WATER MAIN ANCORAGE DETAILS



1 1/2" HOT BITUMINOUS PAVEMENT GRACING "C" "HOT STUMMOUS PAVEMENT GRADING "O"
"AGGREGATE BASE COURSE - CRUSHED, TYPE "A"
"AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D" NACH PAYEMENTS.

OMPACTED SPECIAL BACKFILL

ELEVALE PIPE: CRUSHED STONE,

12. MACKE TOP OF PIPE

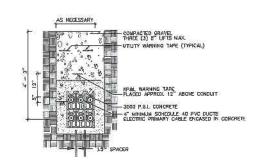
SAND NOT ALLOWED.

BIGID PIPE: SAND 12" ABOVE TOP OF FIPE ... L

> NOTES: ANY ALTERNATE TRENCHING METHODS SHALL BE APPROVED IN ADVANCE BY THE CITY. ALL TRENCH DIMENSIONS SHALL BE IN CONFORMANCE WITH THE CITY OF PORTILAND'S DETAIL FIGURE II—13 OF THE TECHNICAL AND DESIGN STANDARDS AND GLIDEFUNES.

EXCAVATION BELOW ESTABLISHED TRENCH PROFILE (IF REQUIRED)

PIPE TRENCH DETAIL





Bishiop W 72 Date: JANUARY 8, 2016 Issued For: ISSUED FOR BID Revisions: Rev. 5/22/15 Issued for: 90% Maine Housing Submission 11/25/15 Reproduction or rouse of this document without the expressed written comment of itchell & Associates is prohibit SITE DETAILS Scale

AS SHOWN

Sheet No :

(12) ELECTRIC TRENCH