see WSDOT Amendment to Standard Specifications Dec. 9, 2006
For design requirements & test procedures. Acceptance of this
pull box is based on materials requirements & receipt of independent
testing lab results stating pull box meets or exceeds testing criteria.

4 through cored hole in frame & welded wire to #3 bar.
Typical & places.

NOTES:

1. Shop cut welded wire mesh for blockouts. Provide #3 trimming bars around blockouts as shown.

APPROVED AS NOTED
Washington State
Department of Transportation
HQ Traffic Operations Office
DATE THU August 2, 2007

SOIL COVER:
NO SOIL COVER - TOP OF COVER AT GRADE

SOIL COVER:
NO SOIL COVER - TOP OF COVER AT GRADE

DESIGN PARAMETERS:
- AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES
- ACI-318-02 BUILDING CODE
- ASTM C857 MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE STRUCTURES

LOADS:
150 psi concrete density
120 psi soil density
AASHTO H-35-30 WHEEL LOAD W/30\% IMPACT
AASHTO USE LOAD SURCHARGE (2' SOIL)
EFFECTIVE SOIL PRESSURE = 45 psi

MATERIALS:
CONCRETE - 28 DAY COMPRESSION STRENGTH 6k = 6000 psi
REBAR - ASTM A706 GRADE 60 f_y = 60 ksi (WELDED)
ASTM A82/A185 f_y = 60 ksi (WELDED WIRE MESH)

THE ROLLS OF WELDED WIRE MESH SHALL BE STRAIGHTENED &
OUT TO SIZE BEFORE PLACEMENT.

1/4" DIAMOND PLATE COVER - ASTM A36 f_y = 36 ksi

Soil:
No SoiL Cover - Top of Cover at Grade
PRODUCT NUMBER
00371101

CATALOG NUMBER
3711CPT DI
3711ZPT

MANHOLE ASSEMBLY
LOAD RATING
HEAVY DUTY

COATING
UNDIPPED

ESTIMATED WEIGHT
FRAME: 133 LBS 60kg
COVER: 99 LBS 45kg
UNIT: 232 LBS 105kg

MATERIAL SPECIFICATION
FRAME - CAST IRON
ASTM A48 CL35B
COVER - DUCTILE IRON
ASTM A536

OPEN AREA
N/A

DESIGNATES MACHINED SURFACE

WASHINGTON STATE
Department of Transportation
DEQ Traffic Operations Office
DATE August 21, 2008 TAT

LOGO DETAIL
BOLT HOLE DETAIL
GROUND STRAP HOLE

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