

DETAIL 'B'

SEAL & GROUT
PIPE WALL PENETRATION DETAIL
DETAIL 'C'

4 0. 4

CLEARANCE PER MFR'S REQUIREMENTS

- LINK-SEAL - NON-SHRINK GROUT

GENERAL NOTES:

ALL CONSTRUCTION MUST BE DONE IN STRICT ACCORDANCE WITH OKLAHOMA CITY'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS" AND MUST BE UNDER THE STRICT SUPERVISION OF THE CITY FOR VALUE OF THE CITY OF OKLAHOMA CITY.

ENGINEER OF THE CITY OF OKLAHOMA CITY.

FOR VAULT'S LOCATED WITHIN VEHICULAR TRAVELLED SURFACES, THE VAULT MUST BE DESIGNED FOR THE PROPER FOR VAULT'S LOCATED WITHIN VEHICULAR TRAVELLED SURFACES, THE VAULT MUST BE DESIGNED FOR THE PROPER VEHICLE LOADING CONDITIONS. HEAVY DUTY FRAME AND COVER TO BE EAST JORDAN IRON V1610-3 SERIES W/

VEHICLE LOADING CONDITIONS. HEAVY DUTY SAFETY FALL GRATING OR APPROVED EQUAL VAULT ACCESS HATCHES OUTSIDE VEHICULA

OUTSIDE VEHICULAR TRAVELLED SURFACES MUST BE HALLIDAY H2C7248 w/ SAFETY FALL

GRATING OR APPROVED EQUAL.

PRECAST VAULTS MUST BE CONSTRUCTED AS SPECIFIED IN ASTM C857-16 & ASTM C858-18.

CONCRETE MUST HAVE A MIN. 7 DAY COMPRESSIVE STRENGTH OF 4000 PSI.

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REINFORCING STEEL MUST BE GRADE 60.

REINFORCING STEEL MUST HAVE A MIN. 2" CLEAR SPACE FROM EXPOSED SURFACE.

MINIMUM REINFORCEMENT IN VAULT LID & WALLS MUST BE GRADE 60, #3 BARS AT 9 1/2" CC EW OR GRADE 65 WIRE

MESH W6.2 / W6.2. 6"×6".

JOINTS BETWEEN PRECAST VAULT SECTIONS (LID TO WALL OR WALL TO WALL) MUST HAVE CONCRETE JOINT

SEALANT APPLIED TO THE JOINT PRIOR TO THE SECTIONS BEING ASSEMBLED. SEALANT MUST BE EVERGRIP990 OR

APPROVED EQUAL MEETING ASTM C990, U.S. FEDERAL SPECIFICATION SS-5-210A, TYPE 1, ROPE FORM & AASHTO

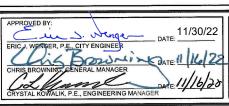
SUBGRADE MUST BE COMPACTED TO 95% STD. PROCTOR GEOTEXTILE FABRIC MUST BE NON-WOVEN POLYPROPYL R DENSITY, ASTM D-698. LENE, TENSILE STRENGTH OF 200 LBS, MIRAFI 180N OR

APPROVED EQUAL. AGGREGATE FOUNDATION MUST BE ASTM C-33 #67 COMPACTED TO 95% STD. PROCTOR DENSITY, ASTM D-698. PRECAST VAULTS MUST BE INSTALLED AS SPECIFIED IN ASTM C891-11.

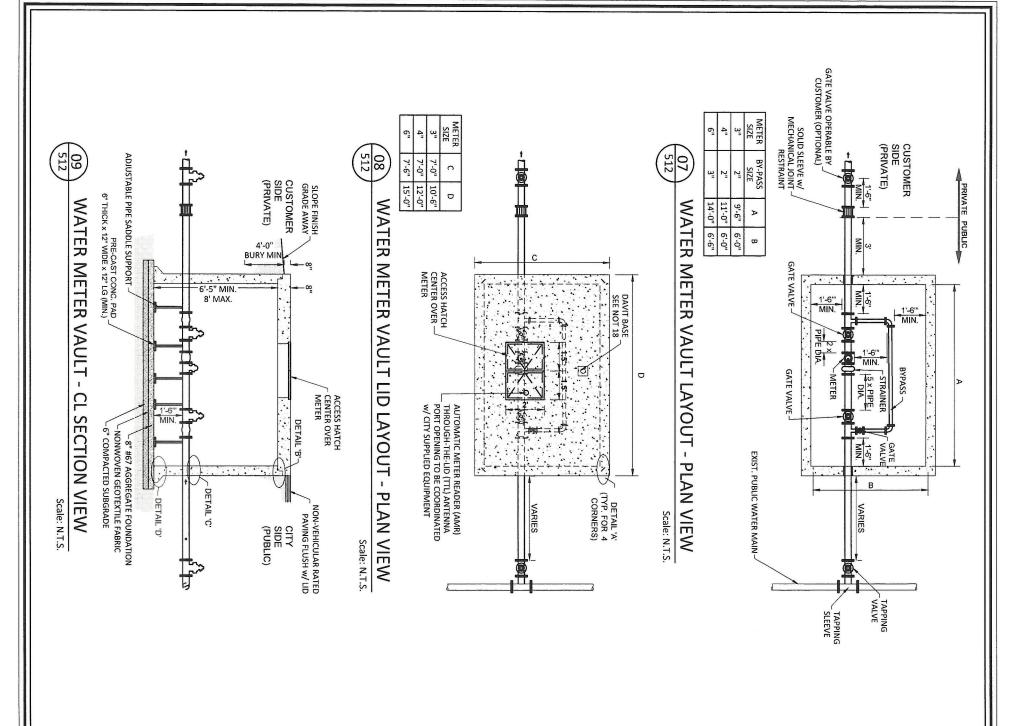
ALL FITTINGS WITHIN VAULT MUST BE FLANGED.
ALL FITTINGS & PIPE OUTSIDE OF VAULT MUST BE RESTRAINED FITTINGS.
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ALL FITTINGS & PIPE SADDLE SUPPORT W/ THREADED PIPE STAND MUST BE EATON B-LINE SERIES B3093 OR APPROVED ADJUSTABLE PIPE SADDLE SUPPORT W/ THREADED PIPE STAND MUST BE EATON BE EXTEND A MINIMUM OF 3' ALL PIPE & FITTINGS WITHIN THE VAULT MUST BE DUCTILE IRON PIPE (DIP). DIP MUST EXTEND A MINIMUM OF 3' BEYOND THE OUTSIDE FACE OF THE VAULT. WHERE CONNECTING TO PVC PIPE OUTSIDE OF THE VAULT A MECHANICALLY RESTRAINED SOLID SLEEVE OR FITTING MUST BE USED.
CONTRACTOR MUST INSTALL AN APPROVED FLOOR MOUNT CAST-IN-PLACE SLEEVE DAVIT BASE WITHIN THE VAULT LID. THIS DAVIT BASE MUST BE INSTALLED 2 FEET FROM ACCESS HATCHES TO ALLOW PORTABLE HOIST SYSTEM TO HATCH.

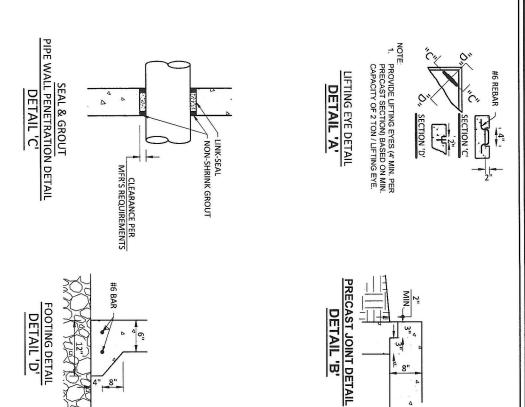
515

WATER STANDARD DETAILS FIRE FLOW METER VAULT INSTALLATION **DETAILS 515.01 TO 515.03**









GENERAL NOTES:

1. ALL CONSTRUCTION MUST BE DONE IN STRICT ACCORDANCE WITH OKLAHOMA CITY'S "STANDARD SPECIFICATIONS FOR

1. CONSTRUCTION OF PUBLIC IMPROVEMENTS" AND MUST BE UNDER THE STRICT SUPERVISION OF THE CITY ENGINEER OF THE

CITY OF OKLAHOMA CITY.

2. FOR NAULTS LOCATED WITHIN VEHICULAR TRAVELLED SURFACES, THE VAULT MUST BE DESIGNED FOR THE PROPER VEHICLE

1. COADING CONDITIONS. HEAVY DUTY FRAME AND COVER TO BE EAST JORDAN IRON V1610-3 SERIES w/ SAFETY FALL GRATING OR

VAULT ACCESS HATCHES OUTSIDE VEHICULAR TRAVELLED SURFACES MUST BE HALLIDAY H2C7248 w/ SAFETY FALL GRATING OR APPROVED EQUAL.

PRECAST VALUTS MUST BE CONSTRUCTED AS SPECIFIED IN ASTM C857-16 & ASTM C858-18.
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REINFORCING STEEL MUST HAVE A MIN. 2" CLEAR SPACE FROM EXPOSED SURFACE.
MINIMUM REINFORCEMENT IN VAULT LID & WALLS MUST BE GRADE 60, #3 BARS AT 9 1/2" CC EW OR GRADE 65 WIRE MESH W6.2/

JOINTS BETWEEN PRECAST VAULT SECTIONS (LID TO WALL OR WALL TO WALL) MUST HAVE CONCRETE JOINT SEALANT APPLIED
TO THE JOINT PRIOR TO THE SECTIONS BEING ASSEMBLED. SEALANT MUST BE EVERGRIP990 OR APPROVED EQUAL MEETING
ASTM C990, U.S., FEDERAL SPECIFICATION S.S.5-210A, TYPE 1, ROPE FORM & AASHTO M-198-10.

SUBGRADE MUST BE COMPACTED TO 95% STD, PROCTOR DENSITY, ASTM D-998.
GEOTEXTILE FABRIC MUST BE NON-MOVEN POLYPROPYLENE, TENSILE STRENGTH OF 200 LBS, MIRAFI 180N OR APPROVED EQUAL.
AGGREGATE FOUNDATION MUST BE ASTM C-33 #67 COMPACTED TO 95% STD, PROCTOR DENSITY, ASTM D-998.
PRECAST VAULTS MUST BE INSTALLED AS SPECIFIED IN ASTM C891-11.
ALL FITTINGS WITHIN VAULT MUST BE FLANGED.
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ALL FITTINGS & PIPE OUTSIDE OF VAULT MUST BE RESTRAINED FITTINGS.
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ALL FITTINGS WITHIN VAULT MUST BE STADD MUST BE EATON B-LINE SERIES B3093 OR APPROVED EQUAL W/
ELECTRO-GALVANIZED FINISH MEETING ANSI MSS SP-59 & SP-59, TYPE 38.
ALL PIPE & FITTINGS WITHIN THE VAULT MUST BE DUCTILE IRON PIPE (DIP). DIP MUST EXTEND A MINIMUM OF 3' BEYOND THE
OUTSIDE FACE OF THE VAULT. WHERE CONNECTING TO PVC PIPE OUTSIDE OF THE VAULT A MECHANICALLY RESTRAINED SOLID
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SLEEVE OR FITTING MUST BE USED.
CONTRACTOR MUST INSTALL AN APPROVED FLOOR MOUNT CAST-IN-PLACE SLEEVE DAVIT BASE WITHIN THE VAULT LID. THIS DAVIT BASE MUST BE INSTALLED 2 FEET FROM ACCESS HATCHES TO ALLOW PORTABLE HOIST SYSTEM TO BE USED. THIS SYSTEM MUST BE INSTALLED IN A MANNER THAT DOES NOT INTERFERE WITH ACCESS TO HATCH.

