PUBLIC NOTICE AND INFORMATION

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

I. GENERAL INFORMATION

The Standards Review Committee (SRC), Department of Public Works and Engineering (PWE) has been established to review, revise, and update PWE's Standards and Documents. Public input and participation is requested by the submittal of proposals for suggested changes, comments, recommendations and other information.

II. STANDARD DOCUMENTS TO BE REVIEWED

Standards and Documents that will be considered include design standards and criteria, associated technical specifications, and associated standard details and drawings. Exhibit 1 provides the type of document that will be reviewed, including existing standards that have been identified by PWE for review and potential revision. PWE's design standards can be referenced at
http://documents.publicworks.houstontx.gov/document-center/standards-review-committee/index.htm
Other Standards and Documents will be reviewed at later times under separate notices.

III. PROCESS DESCRIPTION AND SCHEDULE FOR THE REVIEW OF INFRASTRUCTURE DESIGN MANUAL CHAPTERS 7, 8, 11, & 14:

Public notice shall be published and sent out to all interested parties in the month of July, 2009 requesting proposals for changes to the Chapters 7, 8, 11 & 14.

1. **Receive Proposed Changes:**
   The SRC will receive requests for changes submitted by public participants, categorize suggested changes and prepare the proposals for reviewing (information will be accessible through electronic media). (Please see public notification for proposal format). Proposals may be submitted beginning July 1st through Sept 15th, 2009.

2. **Screen Proposed Changes/Formulate Agenda:**
   The SRC will review input received and prioritize issues according to PWE's mission; develop a short list of issues to be considered in a formal discussion; publish an agenda for public review and input. This process will occur from September 16th to November 15th, 2009.

3. **Convene/Conduct Discussions:**
   The SRC will provide the opportunity for stakeholders of interest to address and provide input on proposals. <u>This process will occur from November 16th to January 15th, 2010.</u>

4. **Evaluate Proposal/ Develop Recommendations:**
   The SRC will consider all input and post a draft of revisions for comment. <u>This process will occur from January 16th to March 15th, 2010.</u>

5. **Receive Comments:**
   The SRC will receive and review all comments. <u>Comments may be submitted from March 16th through April 15th, 2010.</u>

6. **Finalize Revisions:**
   The SRC will process the information for final approval and publish the final update. <u>Final revisions will be processed for final approval and published beginning April 16th through June 15th, 2010.</u>

IV. FORMAT FOR REQUESTED CHANGES/REVISIONS

- **Submittals should be made by e-mail to**
  standardreviewcommittee@cityofhouston.net
  or by mail to:
  Standard Review Committee
  Office of the City Engineer
  611 Walker, 18th Floor
  Houston, TX 77002
  Submittals should comply with format provided in Exhibit 3.

- **Identify the specific design parameter, specification, standard drawing, or other document that is proposed for change;**

- **State the deficiency in the existing standard;**

- **State the suggested or revised standard;**

- **State the benefit to the City and public achieved by implementing the proposed change;**

- **State the consequence of "no change" to the current standard.**

Exhibit 1

Documents for Review

I. INRASTRUCTURE DESIGN MANUAL

Chapter 7 Water Line Design Requirements…….....09-01-2004
Chapter 8 Wastewater Collection System Design Requirements……..10-01-2002
Chapter 11 Geotechnical Requirements.……10-01-2002
Chapter 14 Facility Design Requirements……..10-01-2002

II. ADDITIONAL DESIGN MANUALS

Groundwater Plant Design Guidelines……08-26-2003
Engineering Design Manual for Submersible Lift Stations……..10-01-2002

III. SPECIFICATIONS

02083 FIBERGLASS MANHOLES……...10-01-2002
02085 VALVE BOXES, METER BOXES, AND METER VAULTS……..10-01-2002
02086 ADJUSTING MANHOLES, INLETS, AND VALVE BOXES TO GRADE……10-01-2002

DIVISION 2 – SITE DEMOLITION

02222 ABANDONMENT OF SEWERS……..…10-01-2002
02233 CLEARING AND GRUBBING……...10-01-2002

DIVISION 2 – EXCAVATION AND FILL

02316 EXCAVATION AND BACKFILL FOR STRUCTURES……..10-01-2002
02318 EXTRA UNIT PRICE WORK FOR EXCAVATION……10-01-2002
AND BACKFILL
02319 BORROW……10-01-2002
02320 UTILITY BACKFILL MATERIALS……10-01-2002
02321 CEMENT STABILIZED SAND……..10-01-2002

DIVISION 2 - EMBANKMENT

02330 EMBANKMENT……..10-01-2002

DIVISION 2 – SUBGRADE AND ROADBED

02336 LIME-STABILIZED SUBGRADE……10-01-2002
02337 LIME/FLY-ASH STABILIZED SUBGRADE……....10-01-2002
02338 PORTLAND CEMENT STABILIZED SUBGRADE…….. 10-01-2002

DIVISION 2 – TUNNELING BORING AND JACKING

02400 TUNNEL SHAFTS……..10-01-2002
02425 TUNNEL EXCAVATION AND PRIMARY LINER……..10-01-2002
02426 SEWER LINE IN TUNNELS……..10-01-2002
02427 PLASTIC LINER FOR LARGE-DIAMETER CONCRETE ……...10-01-2002
SEWERS AND STRUCTURES……10-01-2002
02431 TUNNEL GROUT ……...10-01-2002
02441 MICRO TUNNELING AND PIPE-JACKED TUNNELS……10-01-2002
02447 AUGERING PIPE AND CONDUIT…….....10-01-2002
02448 PIPE AND CASING AUGERING FOR SEWERS……10-01-2002

DIVISION 2 – FOUNDATION AND LOAD BEARING ELEMENTS

02465 DRILLED SHAFT FOUNDATIONS…….....10-01-2002
02476 CAISSION FOR LIFT STATION……..10-01-2002

DIVISION 2 – PIPE MATERIAL

02501 DUCTILE IRON PIPE AND FITTINGS……10-01-2002

02502 STEEL PIPE AND FITTINGS…….10-01-2002
02503 COPPER TUBING…….....10-01-2002
02504 CENTRIFUGALLY CAST FIBERGLASS PIPE……..10-01-2002
02505 HIGH DENSITY POLYETHYLENE (HDPE)……..…08-01-2008
SOLID AND PROFILE WALL PIPE
02506 POLYVINYL CHLORIDE PIPE……10-01-2002
02507 PRESTRESSED CONCRETE CYLINDER PIPE……10-01-2002
02508 EXTRA STRENGTH CLAY PIPE…….....10-01-2002
DIVISION 2 – WATER DISTRIBUTION
02511 WATER LINES……10-01-2002
02512 WATER TAP AND SERVICE LINE INSTALLATION……....10-01-2002
02513 WET CONNECTIONS ……...10-01-2002
02514 DISINFECTION OF WATER LINES……...10-01-2002
02515 HYDOSTATIC TESTING OF PIPELINES……...10-01-2002
02516 CUT, PLUG, AND ABANDONMENT OF MAINS……...10-01-2002
02517 WATER LINE IN TUNNELS……..10-01-2002
02518 STEEL PIPE AND FITTINGS FOR LARGE-DIAMETER WATER LINES……10-01-2002
02520 FIRE HYDRANT……..10-01-2002
02521 GATE VALVES……10-01-2002
02522 BUTTERFLY VALVES……10-01-2002
02523 PRESSURE REDUCING VALVES…….....10-01-2002
02524 AIR RELEASE AND VACCUM RELIEF VALVES…….....10-01-2002
02525 TAPPING SLEEVES AND VALVES……10-01-2002
02526 WATER METERS……..…10-01-2002
02527 POLYURETHANE COATINGS ON STEEL OR DUCTILE
IRON PIPE……...10-01-2002
02528 POLYETHYLENE WRAP……..……10-01-2002
DIVISION 2 – SANITARY SEWER
02531 GRAVITY SANITARY SEWERS……..……10-01-2002
02532 SANITARY SEWER FORCE MAINS
02533 ACCEPTANCE TESTING FOR SNITARY SEWERS……..……10-01-2002
02534 SANITARY SEWER SERVICE STUBS OR RECONNECTIONS……...10-01-2002
DIVISION 2 – PIPE CULVERTS
02611 REINFORCED CONCRETE PIPE……..…10-01-2002
02612 PRECAST REINFORCED CONCRETE BOX SEWER……..…10-01-2002
02613 BAR WRAPPED STEEL CYLINDER PIPE……10-01-2002
02621 GEOTEXTILE……..10-01-2002

IV. STANDARD DETAILS

02081-01 STORM SEWER MANHOLE TYPE “C” FOR 42” DIAMETER
RCP AND SMALLER……...……..……...10-01-2002
02081-02 STORM SEWER MANHOLE TYPE “C” FOR 48” TO 72”
DIAMETER ECP AND SMALLER……...10-01-2002
02081-03 STORM SEWER MANHOLE TYPE “C” FOR 78”
DIAMETER RCP AND GREATER……...10-01-2002
02081-04 STORM SEWER MANHOLE FOR PROPOSED CONCRETE……10-01-2002
02081-05 STORM SEWER MANHOLE TYPE “E” FOR EXISTING MONHOLITHIC
REINFORCED CONCRETE SEWERS 48” DIAMETER AND GREATER……10-01-2002
02081-06 STORM SEWER JUNCTION BOX WITH LID OR GRATE TOP
FOR A MAXIMUM OF 24” DIAMETER STORM SEWER……10-01-2002

02081-07 LATERAL CONNECTION TO EXISTING MONOLITHIC REINFORCED CONCRETE STORM SEWER……..10-01-2002
02081-08 PROPOSED MANHOLE ON EXISTING BOX STORM SEWER……10-01-2002
02082-01 SANITARY SEWER SHALLOW MANHOLE……..10-01-2002
02082-02 SANITARY SEWER 4’-0” DIAMETER PRECAST CONCRETE MANHOLE…10-01-2002
02082-03 SANITARY SEWER 5’-0” TO 8’-0” DIAMETER PRECAST CONCRETE MANHOLE……10-01-2002
02082-04 SANITARY SEWER PILE SUPPORT ED MANHOLE FOR UNSTABLE SUBGRADE……...10-01-2002
02082-05 SANITARY SEWER CRUSHED STONE SUPPORTED MANHOLE FOR WET STABLE TRENCH……...10-01-2002
02082-06 SANITARY SEWER MANHOLE VENT FOR SEALED MANHOLE……10-01-2002
02082-07 SANITARY SEWER CORROSION RESISTANT MANHOLE FOR FORCE MAIN DISCHARGE……10-01-2002
02082-08 SANITARY SEWER PRECAST CONCRETE MANHOLE WITH CAST-IN-PLACE BASE……..10-01-2002
02082-09 SANITARY SEWER AIR RELEASE OR AIR/VACUUM RELEASE VALVE MANHOLE……..10-01-2002
02082N-02 SANITARY SEWER 4’-0” DIAMETER PRECAST CONCRETE MANHOLE NOTES……10-01-2002
02082N-03 SANITARY SEWER 5’-0” TO 8’-0” DIAMETER PRECAST CONCRETE MANHOLE NOTES……10-01-2002
02083-01 SANITARY SEWER 4’-0” DIAMETER FIBERGLASS MANHOLE……..10-01-2002
02083-02 SANITARY SEWER 4’-0” DIAMETER FIBERGLASS MANHOLE……..10-01-2002
02083-03 SANITARY SEWER FIBERGLASS MANHOLE WITH CAST-IN-PLACE BASE……10-01-2002
02083N-01 SANITARY SEWER 4’-0” DIAMETER FIBERGLASS MANHOLE NOTES…...10-01-2002
02084-01 SANITARY SEWER AND WATER MANHOLE FRAME AND COVER……..10-01-2002
02084-02 STORM SEWER MANHOLE FRAME AND COVER……10-01-2002
02084-03 STORM SEWER TYPE “B” INLET ASSEMBLY……10-01-2002
02084-04 STORM SEWER TYPE “BB” INLET DOUBLE ASSEMBLY……10-01-2002
02084-05 STORM SEWER FRAME AND GRATE FOR TYPE “BB” INLET DOUBLE ASSEMBLY……...10-01-2002
02084-06 STORM SEWER TYPE “D” INLET GRATE AND FRAME……...10-01-2002
02084-07 STORM SEWER TYPE “D-1” INLET GRATE AND FRAME……10-01-2002
02084-08 STORM SEWER TYPE “A” INLET GRATE AND FRAME……...10-01-2002
02084-09 STORM SEWER TYPE “C-1”, “C-2”, “C-2A”, AND “H-2” INLET FRAME AND COVER……10-01-2002
02084-10 32” INVERTED MANHOLE FRAME……10-01-2002
02084-11 STORM SEWER RING GRATE FOR OPEN END OF 18” TO 72” RCP STUBS TO DITCH……..10-01-2002
02085-01 STANDARD PLASTIC METER BOX FOR 5/8” AND 1” METERS……10-01-2002
02085-02 LOCATION OF WATER METER BOX FOR 2” DIAMETER AND LESS……...10-01-2002
02085-03 VALVE BOX A DETAIL……..10-01-2002
02317-01 SANITARY SEWER EMEDMENT AND TRENCH ZONE BACKFILL FOR DRY OR WET STABLE TRENCH……..10-01-2002
02317-02 SANITARY OR STORM SEWER CRUSHED STONE FOUNDATION FOR WET STABLE TRENCH……...10-01-2002
02317-03 SANITARY OR STORM SEWER BEDDING AND BACKFILL FOR DRY STABLE TRENCH……...10-01-2002
02317-04 WATER DISTRIBUTION MAIN BEDDING AND BACKFILL FOR OPEN CUT TRENCHES……10-01-2002

02317-05 PRECAST CONCRETE BOX STORM SEWER BEDDING AND BACKFILL FOR DRY STABLE TRENCH……...10-01-2002
02317-06 PRECAST CONCRETE BOX STORM SEWER BEDDING AND BACKFILL FOR WET STABLE TRENCH……..10-01-2002
02317-07 PRECAST CONCRETE BOX STORM SEWER BEDDING AND BACKFILL WITH SEAL SLAB……..10-01-2002
02317-08 SANITARY SEWER BACKFILL OF SHAFTS……10-01-2002
02511-01 TYPICAL PIPE OFFSET SECTION FOR WATER MAINS……..10-01-2002
02512-01 TYPICAL ¾” TROUGH 2” SERVICE ARRANGEMENTS……10-01-2002
02512-02 SERVICE TAPS……..10-01-2002
02512-03 BACK TAP ON EXISTING STEEL LINE……10-01-2002
02512-04 STANDARD TAP TO EXISTING STEEL MAIN……10-01-2002
02520-01 STANDARD FIRE HYDRANT DETAIL……10-01-2002
02523-01 REDUCED PRESSURE BACKFLOW – PREVENTER (R P B P)……..10-01-2002
02524-01 PERMANENT BLOW-OFF-DETAIL……10-01-2002
02526-02 TYPICAL PIPING ARRANGEMENT 3” TUBINE/COMPOUND METER STANDARD SERVICE……10-01-2002
02526-03 TYPICAL PIPING ARRANGEMENT 4” TUBINE/COMPOUND METER STANDARD SERVICE……10-01-2002
02526-04 TYPICAL PIPING ARRANGEMENT 6” TUBINE/COMPOUND METER STANDARD SERVICE……10-01-2002
02526-05 TYPICAL PIPING ARRANGEMENT 8” TUBINE METER STANDARD SERVICE……10-01-2002
02526-06 TYPICAL PIPING ARRANGEMENT 10” TUBINE METER STANDARD SERVICE……10-01-2002
02526-07 TYPICAL PIPING ARRANGEMENT 4” & 6” FIRE SERVICE TURBINE METER STANDARD SERVICE……10-01-2002
02526-08 TYPICAL PIPING ARRANGEMENT 8” FIRE SERVICE TURBINE METER STANDARD SERVICE……10-01-2002
02526-09 TYPICAL PIPING ARRANGEMENT 10” FIRE SERVICE TURBINE METER STANDARD SERVICE……10-01-2002
02526-10 TYPICAL SERVICE LINE AND RISER PIPING TO METER VAULTS……..10-01-2002
02526-11 STRUCTURAL DETAILS TURBINE/COMPOUND METER STANDARD SERVICE……...10-01-2002
02526-12 STRUCTURAL DETAILS TURBINE/COMBINE METER STANDARD SERVICE……...……10-01-2002
02526-13 STRUCTURAL PLANS FIRE SERVICE METER……..10-01-2002
02531-01 SANITARY SEWER SEALING OF SLIPLINING AT A MANHOLE……10-01-2002
02531-02 SANITARY SEWER SEALING OF CURED-IN-PLACE LINER AT MANHOLE10-01-2002
02531-03 SANITARY SEWER DUCTILE IRON PIPE STORM SEWER CROSSING…..10-01-2002
02531-04 SANITARY SEWER PIPE TRANSITION FOR 36” SEWER AND SMALLER..10-01-2002
02531-05 SANITARY SEWER INSTALLING SANITARY SEWERS CROSSING OR PARALLEL TO WATER LINES……10-01-2002
02531-06 SANITARY SEWER SEALING PENETRATION THROUGH PVC-LINED CONCRETE WALL……10-01-2002
02531-07 SANITARY SEWER CONCRETE COLLAR DETAIL FOR CONNECTING EXISTING MONOLITHIC SEWERS TO PIPE SEWERS……10-01-2002
02534-01 SANITARY SEWER SERVICE RECONNECTION FOR LINER PIPE……..10-01-2002
02534-02 SANITARY SEWER SERVICE RECONNECTION WITH STACK ON NEW OR REPLACEMENT SEWER……..10-01-2002
02534-03A SANITARY SEWER MANHOLE LINING PAYMENT LIMITS……..10-01-2002

02534-04 SANITARY SEWER SERVICE RECONNECTION ON NEW OR REPLACEMENT SEWER…….10-01-2002
02632-01 STORM SEWER TYPE “A” GRATE INLET ……...10-01-2002
02632-02 STORM SEWER TYPE “B” INLET WITH GRATE TOP……...10-01-2002
02632-03 STORM SEWER TYPE “B” INLET RELOCATION……10-01-2002
02632-04 STORM SEWER TYPE “BB” INLET……10-01-2002
02632-05 STORM SEWER TYPE “BB” INLET RELOCATION……10-01-2002
02632-06 STORM SEWER TYPE “C-1”, “C-2” AND “C-2A” INLETS……..10-01-2002
02632-07 STORM SEWER TYPE “D” INLET……..10-01-2002
02632-08 STORM SEWER TYPE “D-1” INLET……...10-01-2002
02632-09 STORM SEWER TYPE “E” INLET……...10-01-2002
02632-10 STORM SEWER TYPE “E” INLET ON EXIST MONOLITHIC CONC SEWERS OF 48” DIA & GREATER ……..10-01-2002
02633-01 STORM SEWER PRECAST TYPE “H-2” INLET……...10-01-2002
02633-02 STORM SEWER PRECAST TYPE “H-2” INLET FOR CURBED STREET PAVEMENT…….10-01-2002
02642-01 STORM SEWER TIMBER SUPPORT FOR CORRUGATED METAL PIPE 48” DIAMETER OUTFALL & LARGER……10-01-2002

V. LIFT STATION DETAILS

Lift station details can be found at
http://documents.publicworks.houstontx.gov/document-center/drawings/index.htm