



**PERMIT APPLICATION REVIEW FORM FOR
CABLE, CONDUIT, AND POLE LINE ACTIVITY
IN FORT BEND COUNTY**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytx.gov

- ☒ **Right of Way Permit**
☐ **Commercial Driveway Permit**

Permit No: 2017-16131

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

- ☒ a. Name of road, street, and/or drainage ditch affected.
☒ b. Vicinity map showing course of directions
☒ c. Plans and specifications

(2) BOND:

- ☐ County Attorney, approval when applicable.
- ☐ Perpetual bond currently posted. Bond No: _____ Amount: _____
- ☒ Performance bond submitted. Bond No: XXXXXXXXXX Amount: \$75,000.00
- ☐ Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

We have reviewed this project and agree it meets minimum requirements.

Charles O. Ay

Permit Administrator

10/13/2017

Date

**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROAD,
COMMERCIAL DRIVEWAY AND MEDIAN OPENINGS OR MODIFICATIONS
(AUTHORIZED)**

BOND NO

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

1418 Wakefield Houston, TX 77018

THAT WE, AR Turnkee Construction Company, Inc. whose (address, phone) is _____ Texas, hereinafter called the Principal, and SureTec Insurance Company, a Corporation existing under and by virtue of the laws of the state of Texas and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at (name/address/phone) 1330 Post Oak Blvd., Suite 1100 Houston, TX 77056 (713) 812-0800, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Steven D. Nelson and whose address is 9737 Great Hills Trail, Ste 320, Austin, TX 78759, hereinafter called the Surety, and held and firmly bound unto, Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, in the full sum of Seventy Five Thousand Dollars Dollars (\$ 75,000.00) current, lawful money of the United States of America, to be paid to said Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, to which payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us, our heirs, executors, administrators, successors, assigns, and legal representatives, jointly and severally, by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the above bounden principal contemplates laying, constructing, maintaining and/or repairing one or more cables, conduits, and/or pole lines in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend, and the State of Texas, under the jurisdiction of the Commissioners' Court of Fort Bend County, Texas, pursuant to the Commissioners' Court order adopted on the 1st day of December, A.D. 1980, recorded in Volume 13, of the Commissioners' Court Minutes of Fort Bend County, Texas, regulating same, which Commissioners' Court order is hereby referred to and made a part hereof for all purposes as though fully set out herein;

AND WHEREAS, the principal desires to provide Fort Bend County with a performance bond covering all such cable, conduit and/or pole line activity, commercial driveway and median openings or modifications;

NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable, conduit and/or pole line activity (including, but not limited to the laying, construction, maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend and State of Texas, under the jurisdiction of the Commissioners Court of Fort Bend County, Texas, pursuant to and in accordance with minimum requirements and conditions of the above mentioned Commissioners' Court order set forth and specified to be by said principal done and performed, at the time and in the manner therein specified, and shall pay over and make good and reimburse Fort Bend County, all loss and damages which Fort Bend County may sustain by reason of any failure or default on the part of said principal, then this obligation shall be null and void, otherwise to remain in full force and effect.

This bond is payable at the County Courthouse in the County of Fort Bend and State of Texas.

It is understood that at any time Fort Bend County deems itself insecure under this bond, it may require further and/or additional bonds of the principal.

EXECUTED this 15th day of September, 2017.

AR Turnkee Construction Company, Inc.

PRINCIPAL



BY

SureTec Insurance Company

SURETY



BY

Misty Witt, Attorney in Fact

SureTec Insurance Company

LIMITED POWER OF ATTORNEY

Know All Men by These Presents, That SURETEC INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Texas, and having its principal office in Houston, Harris County, Texas, does by these presents make, constitute and appoint

Misty Witt

its true and lawful Attorney-in-fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include waivers to the conditions of contracts and consents of surety for:

Principal: AR Turnkey Construction Company, Inc.

Obligee: Fort Bend County Judge

Amount: \$ 75,000.00

and to bind the Company thereby as fully and to the same extent as if such bond were signed by the President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolutions of the Board of Directors of the SureTec Insurance Company:

Be it Resolved, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

Attorney-in-Fact may be given full power and authority for and in the name of and of behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

Be it Resolved, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached. (Adopted at a meeting held on 20th of April, 1999.)

In Witness Whereof, SURETEC INSURANCE COMPANY has caused these presents to be signed by its President, and its corporate seal to be hereto affixed this 6th day of April, A.D. 2017.

State of Texas
County of Harris

ss:

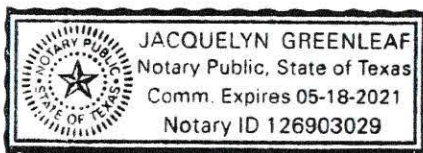


SURETEC INSURANCE COMPANY

By: _____

John Knox, Jr., President

On this 6th day of April, A.D. 2017 before me personally came John Knox, Jr., to me known, who, being by me duly sworn, did depose and say, that he resides in Houston, Texas, that he is President of SURETEC INSURANCE COMPANY, the company described in and which executed the above instrument; that he knows the seal of said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto by like order.



Jacquelyn Greenleaf, Notary Public

My commission expires May 18, 2021

I, M. Brent Beaty, Assistant Secretary of SURETEC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Company, which is still in full force and effect; and furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

Given under my hand and the seal of said Company at Houston, Texas this 15th day of September, 2017, A.D.

M. Brent Beaty, Assistant Secretary

Any instrument issued in excess of the penalty stated above is totally void and without any validity.

For verification of the authority of this power you may call (713) 812-0800 any business day between 8:00 am and 5:00 pm CST.

SureTec Insurance Company

THIS BOND RIDER CONTAINS IMPORTANT COVERAGE INFORMATION

Statutory Complaint Notice/Filing of Claims

To obtain information or make a complaint: You may call the Surety's toll free telephone number for information or to make a complaint or file a claim at: 1-866-732-0099. You may also write to the Surety at:

SureTec Insurance Company
9737 Great Hills Trail, Suite 320
Austin, Tx 78759

You may contact the Texas Department of Insurance to obtain information on companies, coverage, rights or complaints at 1-800-252-3439. You may write the Texas Department of Insurance at

PO Box 149104
Austin, TX 78714-9104
Fax#: 512-490-1007
Web: <http://www.tdi.state.tx.us>
Email: ConsumerProtection@tdi.texas.gov

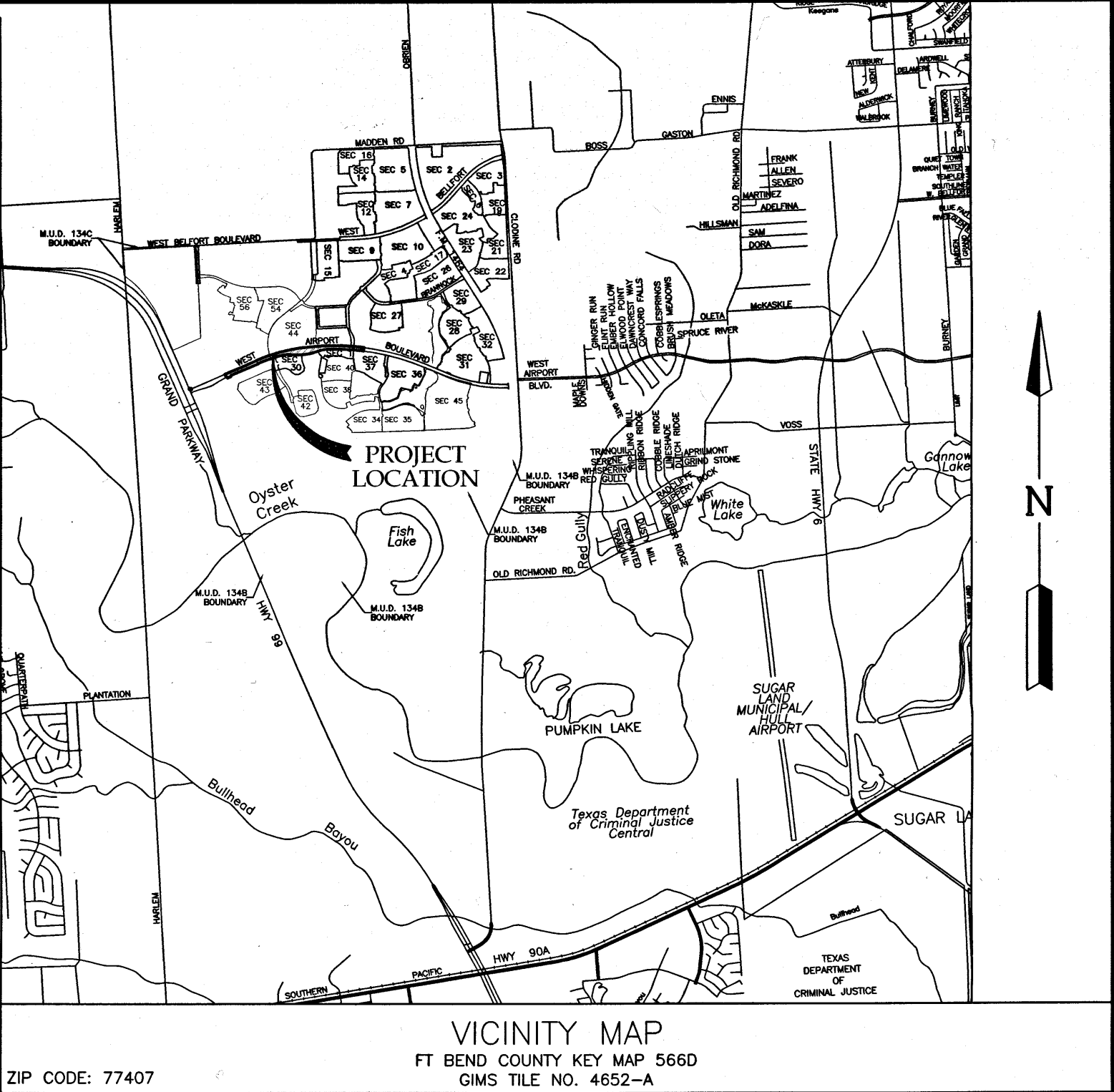
PREMIUM OR CLAIM DISPUTES: Should you have a dispute concerning your premium or about a claim, you should contact the Surety first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 134A
FORT BEND COUNTY, TEXAS

CONSTRUCTION PLANS FOR
14 INCH FORCEMAIN EXTENSION

TO SERVE

ALIANA
WEST AIRPORT BOULEVARD
CITY OF HOUSTON E.T.J.



SHEET INDEX

1. COVER SHEET
2. GENERAL NOTES
3. FORCEMAIN LAYOUT
4. STORM WATER POLLUTION PREVENTION PLAN

PLAN & PROFILE

5. WEST AIRPORT FORCEMAIN.....STA. 0+00.00 TO 13+00.00
6. WEST AIRPORT FORCEMAIN.....STA. 13+00.00 TO 26+00.00
7. WEST AIRPORT FORCEMAIN.....STA. 26+00.00 TO 39+00.00
8. WEST AIRPORT FORCEMAIN.....STA. 39+00.00 TO END

DETAILS

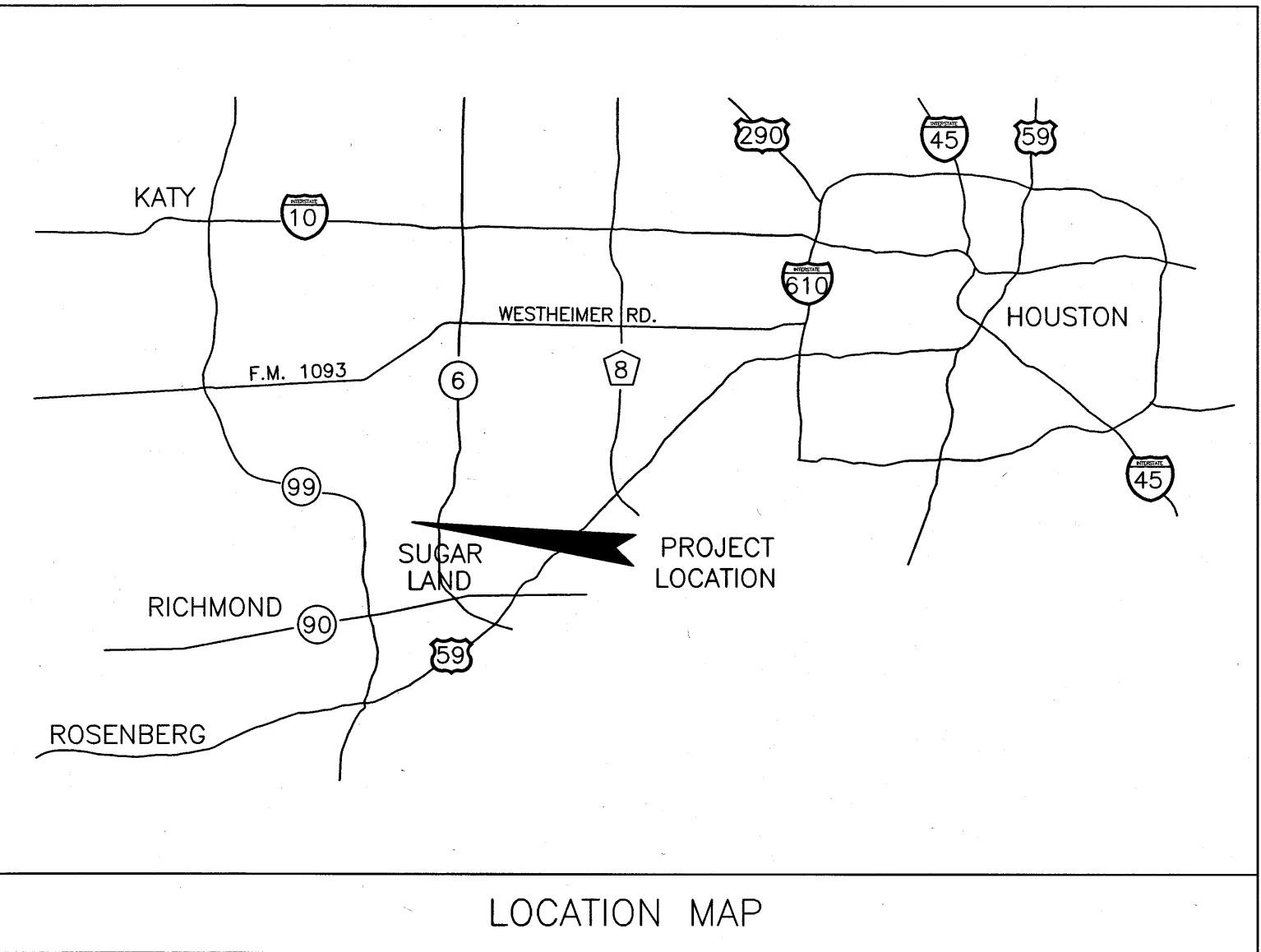
9. SANITARY SEWER DETAILS
10. SANITARY SEWER DETAILS AND TRAFFIC CONTROL DETAILS

JOB NO. 1968-1051

DATE : JULY 2017

NOTES

1. THESE PLANS WERE PREPARED TO MEET OR EXCEED FORT BEND COUNTY AND CITY OF HOUSTON SUBDIVISION RULES AND REGULATIONS (AS APPLICABLE) AS CURRENTLY AMENDED.
2. CONSTRUCTION WILL BE MONITORED BY A PROFESSIONAL ENGINEER TO INSURE COMPLIANCE WITH THE CONSTRUCTION PLANS AND SPECIFICATIONS.
3. CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
CITY OF HOUSTON PUBLIC WORKS DEPARTMENT (713) 837-0050
FORT BEND COUNTY DRAINAGE DISTRICT (DWAYNE GRIGAR) (281) 342-2863
ASSISTANT TO THE FORT BEND COUNTY ENGINEER construction@fortbendcountytx.gov
4. ONLY AUTHORIZED INDIVIDUALS FROM EITHER THE TESTING COMPANY OR A REPRESENTATIVE OF LJA ENGINEERING, INC. HAVE THE AUTHORITY TO ADD WATER TO A CONCRETE TRUCK.
5. CONTRACTOR SHALL CONTACT ANY PERTINENT UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF EXCAVATION OR CONSTRUCTION IN THE VICINITY OF THEIR EASEMENTS AND/OR RIGHT-OF-WAYS.
6. THE OPENING AND CLOSING OF ALL VALVES ON EXISTING WATER LINES MUST BE PERFORMED EXCLUSIVELY BY THE DISTRICT OPERATOR.
7. THE DISTRICT OPERATOR MUST PERFORM ALL WATER LINE BACTERIOLOGICAL TESTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE DISTRICT.
8. PRIOR TO CONSTRUCTION OF THIS FACILITY WITHIN OR BY THE DISTRICT, THE DISTRICT OR THE ENGINEER WILL GIVE A WRITTEN NOTICE BY REGISTERED OR CERTIFIED MAIL TO THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING, CITY OF HOUSTON, STATING THE DATE SUCH CONSTRUCTION WILL COMMENCE.
9. CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, OFFICE OF THE CITY ENGINEER, 48 HOURS BEFORE STARTING WORK ON THIS PROJECT. TELEPHONE NO. (832) 394-9098



ONE-CALL NOTIFICATION
SYSTEM
CALL BEFORE YOU DIG!!!
(713)223-4567 (IN HOUSTON)
(NEW STATEWIDE NUMBER OUTSIDE HOUSTON)
1-800-545-6005

FIRM
FLOOD INSURANCE MAP
PANEL 140 OF 575
MAP# 48157C0140L
FLOOD ZONE "X" AND ZONE AE
ETJ DETENTION PLANS INFORMATION
1) STORM WATER DETENTION PLANS
IS PROVIDED IN RED GULLEY LAKES PH. 1&2 ALIANA DETENTION/AMENITY PHASE 2,
OYSTER CREEK DRAINAGE IMPROVEMENTS PHASE 3, AND OYSTER CREEK DRAINAGE
DRAINAGE IMPROVEMENTS PHASE 4
ENGINEERING FIRM LJA ENGINEERING & SURVEYING
DATE SIGNED MAY 2007, JANUARY 2012, DECEMBER 2013, FEBRUARY 2014, APRIL 2015
APPROVED BY FORT BEND COUNTY ENGINEERING DEPARTMENT
2) STORM WATER DRAINAGE DESIGN REPORT
REPORT TITLE MASTER DRAINAGE PLAN FOR ALIANA DEVELOPMENT
DATE JANUARY 2012 (UPDATED SEPTEMBER 2013) ENGINEERING FORM REPORT
DATE OF ACKNOWLEDGEMENT BY FBC DRAINAGE DISTRICT, NOVEMBER 2013, APRIL 2015
3) INCREASED IMPERVIOUS COVER = 1122.60 ACRES.
DETENTION RATE REQUIRED = 0.52 ACRE-FEET/ACRE
DETENTION RATE PROVIDED = 0.52 ACRE-FEET/ACRE

FORT BEND COUNTY ENGINEER

ENGINEER: *Michael J. Staigle, P.E., P.M.E.*
FOR RICK J. STAIGLE, P.E.

DATE: 8/16/17

THESE SIGNATURES ARE VOID IF CONSTRUCTION
HAS NOT COMMENCED IN ONE (1) YEAR FROM
DATE OF APPROVAL.

APPROVED: *[Signature]*
DEVELOPMENT COORDINATOR

DATE: 8/16/17

ENGINEER:
LJA Engineering, Inc.

2929 Briarpark Drive
Suite 600
Houston, Texas 77042

Phone 713.953.5200
Fax 713.953.5026
FRN-F-1386

DEVELOPER:
ALIANA DEVELOPMENT
COMPANY
11200 RICHMOND AVENUE SUITE 280
HOUSTON, TEXAS 77082

RECORD DRAWING

I CERTIFY THAT THIS DRAWING REFLECTS THE
IMPROVEMENTS CONSTRUCTED AS TO SIZE,
LOCATION AND GRADE AND THAT THE
CONSTRUCTION WAS IN FULL COMPLIANCE WITH
THE CONTRACT DOCUMENTS

BY _____ DATE _____

TITLE _____



APPROVED FOR CONSTRUCTION

BY _____ DATE _____

ILMS # 16094302
COH LOG# 16-1149

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY
AFTER DATE OF SIGNATURES

LJA
LJA Engineering, Inc.

SURVEYED BY:
FB NO.:

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

WATER STREET & BRIDGE

WASTEWATER TRAFFIC

STORM STORM WATER QUALITY

FACILITIES: FM

CITY ENGINEER

FOR CITY OF HOUSTON USE ONLY

DIRECTOR OF PUBLIC WORKS
AND ENGINEERING

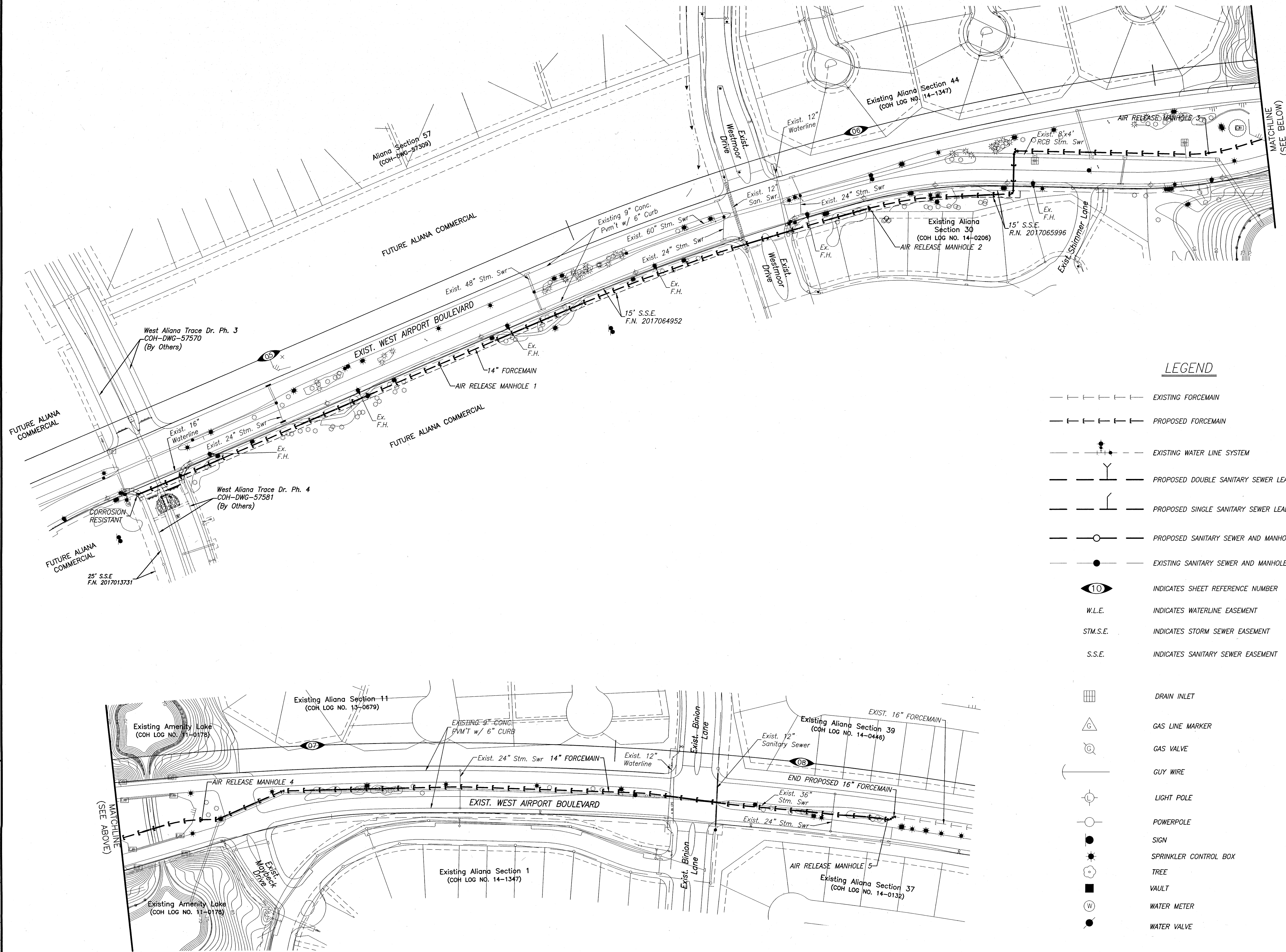
58544

CITY DRAWING NUMBER

HOUSTON, TEXAS

SHEET

No. 1 OF 10



LEGEND

- — — — — EXISTING FORCEMAIN
- — — — — PROPOSED FORCEMAIN
- — — — — EXISTING WATER LINE SYSTEM
- — — — — PROPOSED DOUBLE SANITARY SEWER LEAD
- — — — — PROPOSED SINGLE SANITARY SEWER LEAD
- — — — — PROPOSED SANITARY SEWER AND MANHOLE
- — — — — EXISTING SANITARY SEWER AND MANHOLE
- ⑩ INDICATES SHEET REFERENCE NUMBER
- W.L.E. INDICATES WATERLINE EASEMENT
- STM.S.E. INDICATES STORM SEWER EASEMENT
- S.S.E. INDICATES SANITARY SEWER EASEMENT
- ⌘ DRAIN INLET
- △ GAS LINE MARKER
- ⊙ GAS VALVE
- ⊙ GUY WIRE
- ⊙ LIGHT POLE
- ⊙ POWERPOLE
- ⊙ SIGN
- ⊙ SPRINKLER CONTROL BOX
- ⊙ TREE
- ⊙ VAULT
- ⊙ WATER METER
- ⊙ WATER VALVE

BENCHMARK:
A-1212 - BRASS DISK, STAMPED A-1212 1973, SET IN THE TOP OF A CONCRETE HEADWALL ON THE WEST BOUND LANES OF HWY 90A, APPROX. 4.1 MILES WEST ALONG HWY 90A FROM THE JUNCTION OF HWY 6, IN SUGARLAND, TEXAS. THE DISK IS SET 2.0 FEET EAST OF THE WEST END OF THE NORTH CONCRETE HEADWALL, AND 27.0 FEET NORTH OF THE CENTERLINE OF THE WESTBOUND LANES, AND 1/4 FOOT LOWER THAN THE ROAD.
ELEV. = 78.65 FEET (NGVD-29) 1973 ADJ.
I.B.M.
1/4" IRON ROD W/ LIA CAP LOCATED APPROX. 30.6 FEET SOUTHWEST OF THE NORTHEAST CORNER OF THE ALANA PROPERTY AT THE INTERSECTION OF MADDEN ROAD AND FM 1464.
ELEV. = 93.19 FEET 1973 ADJ.

NOTES:
CONTRACTOR TO COORDINATE ALL IRRIGATION SHUT OFFS AND REPAIRS WITH ROWE ALFARO (281) 808-6229

RECORD DRAWING

I CERTIFY THAT THIS DRAWING REFLECTS THE IMPROVEMENTS CONSTRUCTED AS TO SIZE, LOCATION AND GRADE AND THAT THE CONSTRUCTION WAS IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS

BY _____ DATE _____

TITLE _____

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]*
DEVELOPMENT COORDINATOR

DATE: 8/16/17

DATE	REVISION	BY

PLAT NAME: WEST AIRPORT BOULEVARD
CPC 101 FILE NO. _____
C.O.H. LOG NO. 16-1149

F.B.C.M.U.D. NO. 134A

14 INCH FORCEMAIN EXTENSION

SANITARY FORCEMAIN SEWER LAYOUT

LJA Engineering, Inc.
2929 Briarpark Drive Phone 713.953.5200
Suite 600 Fax 713.953.5026
Houston, Texas 77042 FRN - F-1386

LJA PROJECT NO.: 1968-1051

DESIGNED BY: AA DRAWN BY: AA DATE: JULY 2017

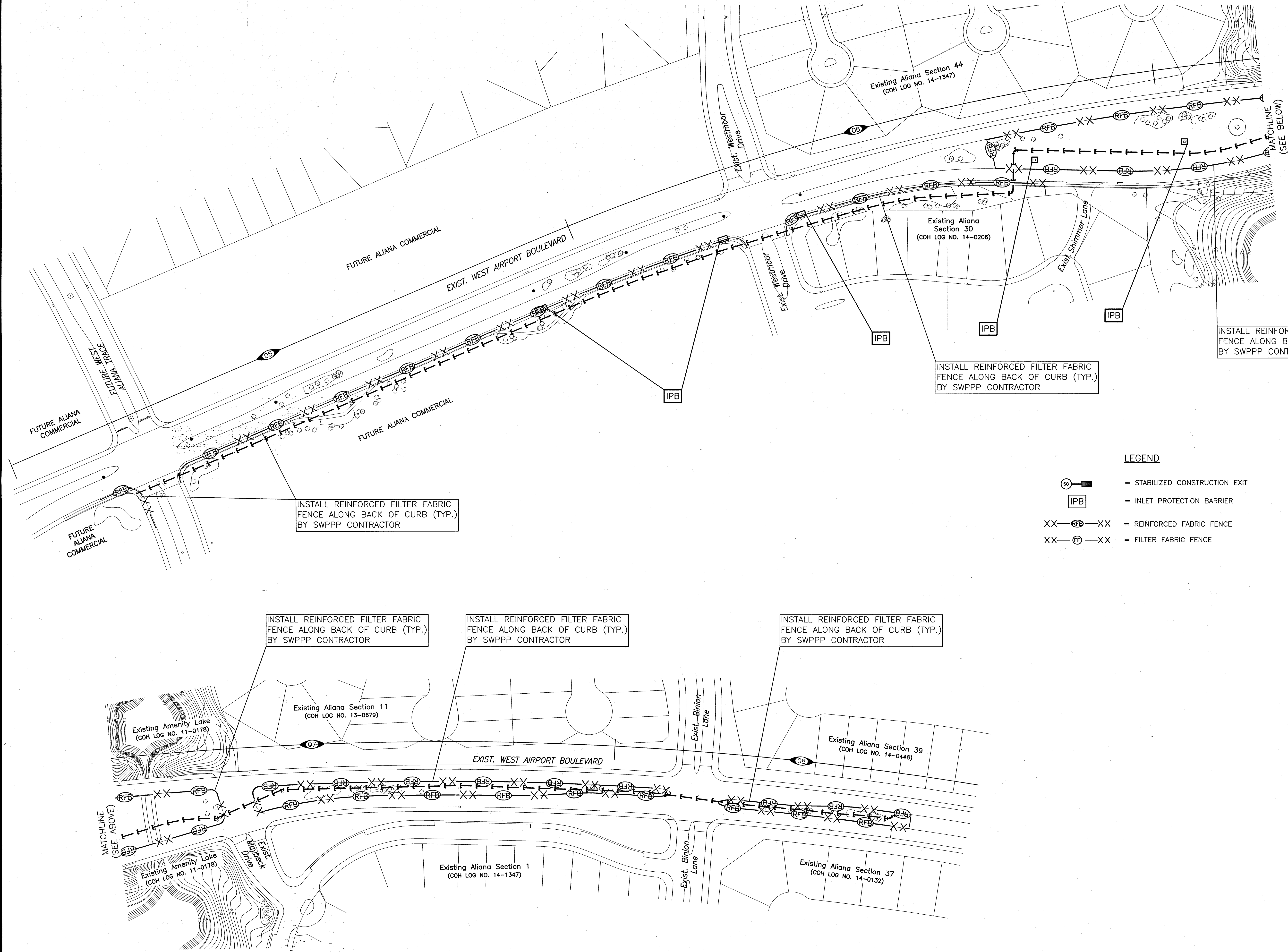
NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON	
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
WATER	STREET & BRIDGE
WASTEWATER	TRAFFIC
STORM	STORM WATER QUALITY
FACILITIES	
FILE NO.	FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE	58544
SCALE: 1" = 100'	CITY DRAWING NUMBER
SHEET NO. 3 OF 10	10/20/2017



4
P:\A\Time - 11-15-2017 - 8:28am - User Name: jason.kelly - Sheet: Final - 04 - W. Sanitary Sewer Extension - SWPPP.dwg
Plot Date: 11/15/2017 10:51:00 AM



- LEGEND**
- = STABILIZED CONSTRUCTION EXIT
 - = INLET PROTECTION BARRIER
 - = REINFORCED FABRIC FENCE
 - = FILTER FABRIC FENCE



BENCHMARK:
A-1212 - BRASS DISK, STAMPED A-1212 1973, SET IN THE TOP OF A CONCRETE HEADWALL ON THE WEST BOUND LANES OF HWY 90A, APPROX. 4.1 MILES WEST ALONG HWY 90A FROM THE JUNCTION OF HWY 6, IN SUGARLAND, TEXAS. THE DISK IS SET 2.0 FEET EAST OF THE WEST END OF THE NORTH CONCRETE HEADWALL, AND 27.0 FEET NORTH OF THE CENTERLINE OF THE WESTBOUND LANES, AND 1/4 FOOT LOWER THAN THE ROAD.
ELEV. = 78.65 FEET (NGVD-29) 1973 ADJ.
IBM:
1/4" IRON ROD W/ LIA CAP LOCATED APPROX. 50.6 FEET SOUTHWEST OF THE NORTHEAST CORNER OF THE ALIANA PROPERTY AT THE INTERSECTION OF MADDEN ROAD AND FM 1464.
ELEV. = 93.19 FEET 1973 ADJ.

NOTES:
CONTRACTOR TO COORDINATE ALL IRRIGATION SHUT OFFS AND REPAIRS WITH ROWE ALFARO (281) 808-6229

RECORD DRAWING
I CERTIFY THAT THIS DRAWING REFLECTS THE IMPROVEMENTS CONSTRUCTED AS TO SIZE, LOCATION AND GRADE AND THAT THE CONSTRUCTION WAS IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS

BY _____ DATE _____
TITLE _____

FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: DEVELOPMENT COORDINATOR
DATE: 8/16/17

DATE	REVISION	BY

PLAT NAME: WEST AIRPORT BOULEVARD
CPC 101 FILE NO. _____
C.O.H. LOG NO. 16-1149

F.B.C.M.U.D. NO. 134A

14 INCH FORCEMAIN EXTENSION

STORM WATER POLLUTION PREVENTION PLAN

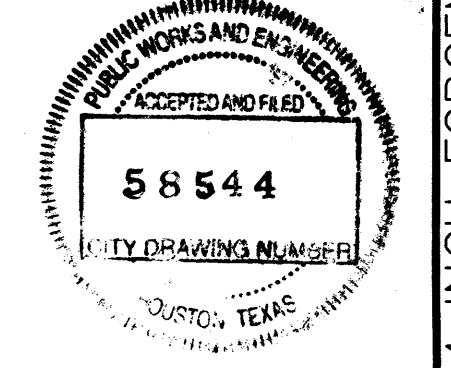
LJA Engineering, Inc.
2929 Briarpark Drive Phone 713.953.5200
Suite 600 Fax 713.953.5026
Houston, Texas 77042 FRN - F-1386

LJA PROJECT NO.: 1968-1051
DESIGNED BY: AA DRAWN BY: AA DATE: JULY 2017

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

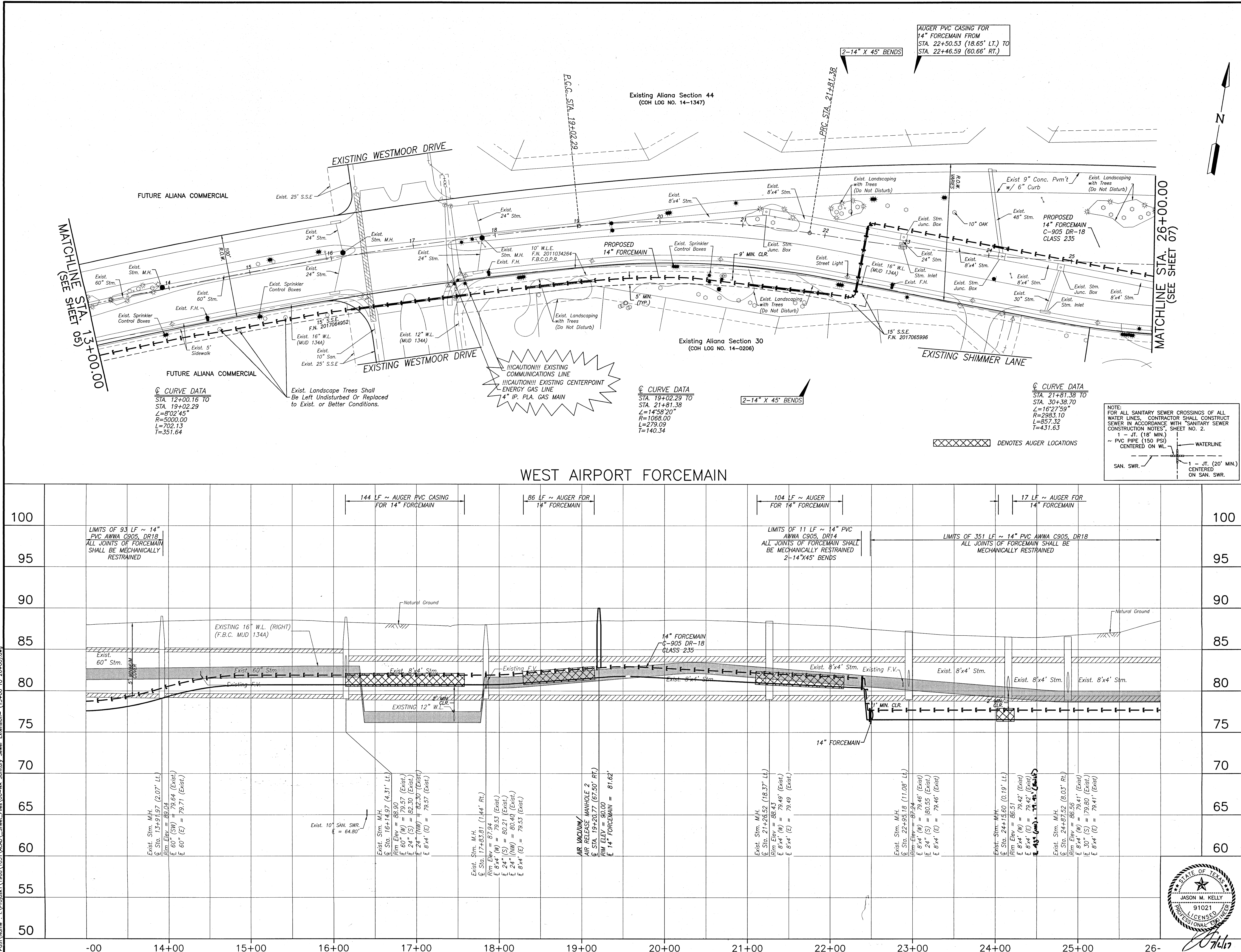
CITY OF HOUSTON	
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
WATER	STREET & BRIDGE
WASTEWATER	TRAFFIC
STORM	STORM WATER QUALITY
FACILITIES	

FILE NO. _____ FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE _____
SCALE: 1" = 100'
SHEET NO. 4 OF 10



14 INCH FORCEMAIN EXTENSION - JOB NO. 1968-1051

6
Data/Title: This 06 Jul 2017 - 9:31am User Name: c:\progr\l\1866\1051\ACAD_Sheet_Files\06-WA Sanitary Sewer Extension- (13+00 TO 26+00).dwg



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A-1212 - BRASS DISK, STAMPED A-1212 1973, SET IN THE TOP OF A CONCRETE HEADWALL ON THE WEST BOUND LANES OF HWY 90A, APPROX. 4.1 MILES WEST ALONG HWY 90A FROM THE JUNCTION OF HWY 6, IN SUGARLAND, TEXAS. THE DISK IS SET 2.0 FEET EAST OF THE WEST END OF THE NORTH CONCRETE HEADWALL, AND 27.0 FEET NORTH OF THE CENTERLINE OF THE WESTBOUND LANES, AND 1/2 FOOT LOWER THAN THE ROAD.

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TEH:

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ELEV. = 93.19 FEET 1973 ADJ.

NOTES:
CONTRACTOR TO COORDINATE ALL IRRIGATION SHUT OFFS AND REPAIRS WITH ROWE ALFARO (281) 808-6229

RECORD DRAWING
I CERTIFY THAT THIS DRAWING REFLECTS THE IMPROVEMENTS CONSTRUCTED AS TO SIZE, LOCATION AND GRADE AND THAT THE CONSTRUCTION WAS IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS

BY _____ DATE _____

TITLE _____

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]*
DEVELOPMENT COORDINATOR

DATE: 8/16/17

DATE	REVISION	BY

PLAT NAME: WEST AIRPORT BOULEVARD
CPC 101 FILE NO. 16-1149
C.O.H. LOG NO. 16-1149

F.B.C.M.U.D. NO. 134A

14 INCH FORCEMAIN EXTENSION

WEST AIRPORT FORCEMAIN
STA. 13+00.00 TO 26+00.00

LJA Engineering, Inc.
2929 Briarpark Drive Phone 713.953.5200
Suite 600 Fax 713.953.5026
Houston, Texas 77042 FRN - F-1386

LJA PROJECT NO.: 1968-1051

DESIGNED BY: AA DRAWN BY: AA DATE: JULY 2017

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
STREET & BRIDGE

WATER: *[Signature]* 8/16/17
STORM: *[Signature]* 8/16/17
FACILITIES: *[Signature]* 8/16/17

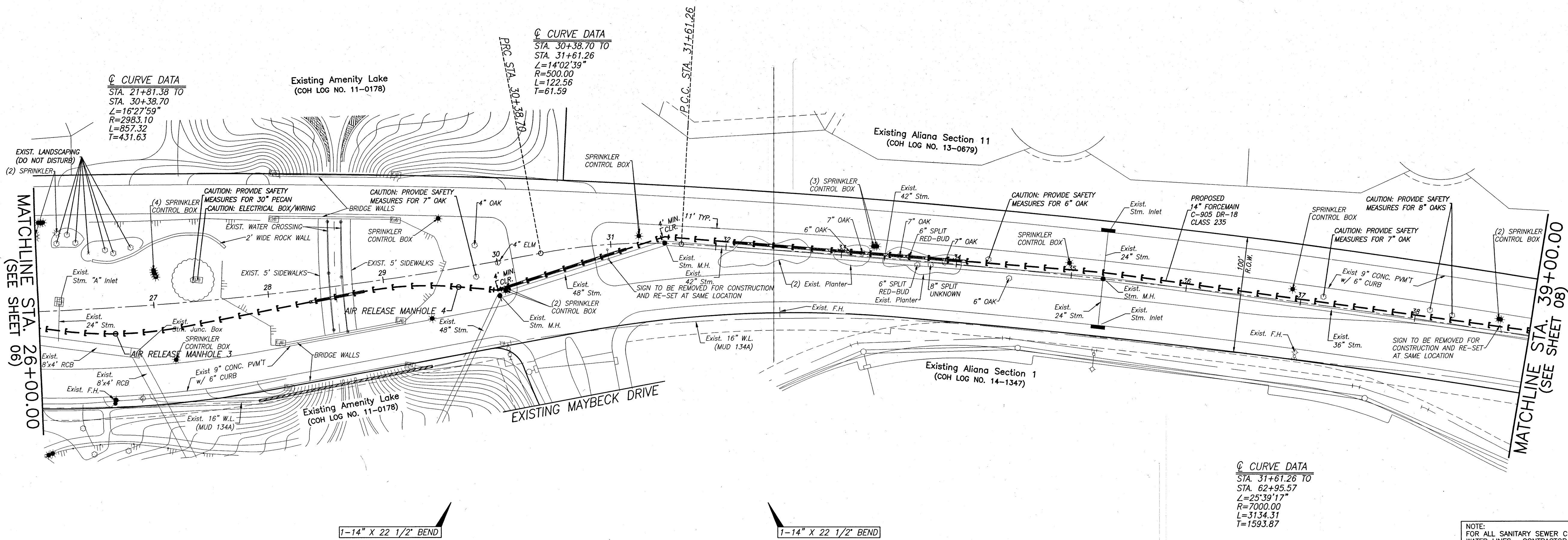
FILE NO. _____ FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
HORZ: 1" = 50'
VERT: 1" = 5'

SHEET NO. 6 OF 10

58544
CITY DRAWING NUMBER
HOUSTON, TEXAS

14 INCH FORCEMAIN EXTENSION - JOB NO. 1968-1051



BENCHMARK:
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BY _____ DATE _____

TITLE
FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: *[Signature]*
DEVELOPMENT COORDINATOR
DATE: 8/16/17

DATE	REVISION	BY

PLAT NAME: WEST AIRPORT BOULEVARD
CPC 101 FILE NO. 16-1149
C.O.H. LOG NO. 16-1149

F.B.C.M.U.D. NO. 134A

14 INCH FORCEMAIN EXTENSION

WEST AIRPORT FORCEMAIN
STA. 26+00.00 TO 39+00.00

LJA Engineering, Inc.
2929 Briarpark Drive Suite 600 Houston, Texas 77042
Phone 713.953.5200 Fax 713.953.5026 FRN - F-1386

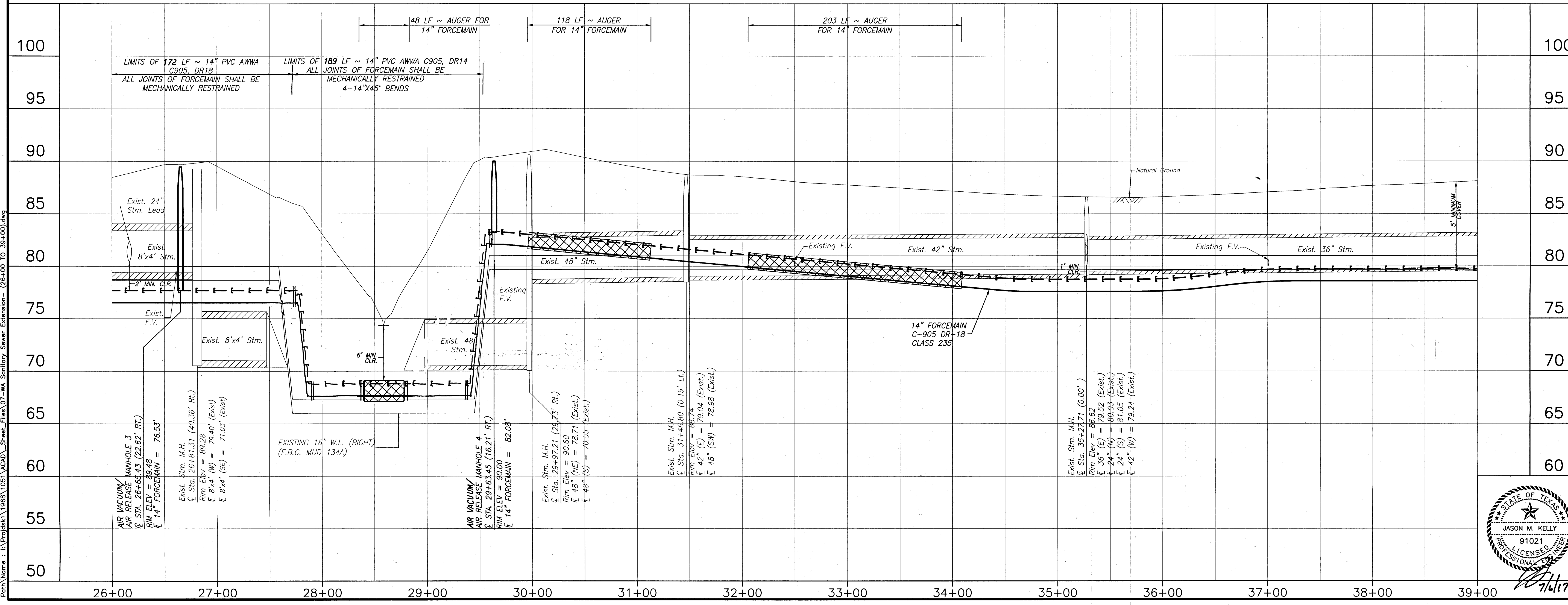
LJA PROJECT NO.: 1968-1051
DESIGNED BY: AA DRAWN BY: AA DATE: JULY 2017

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

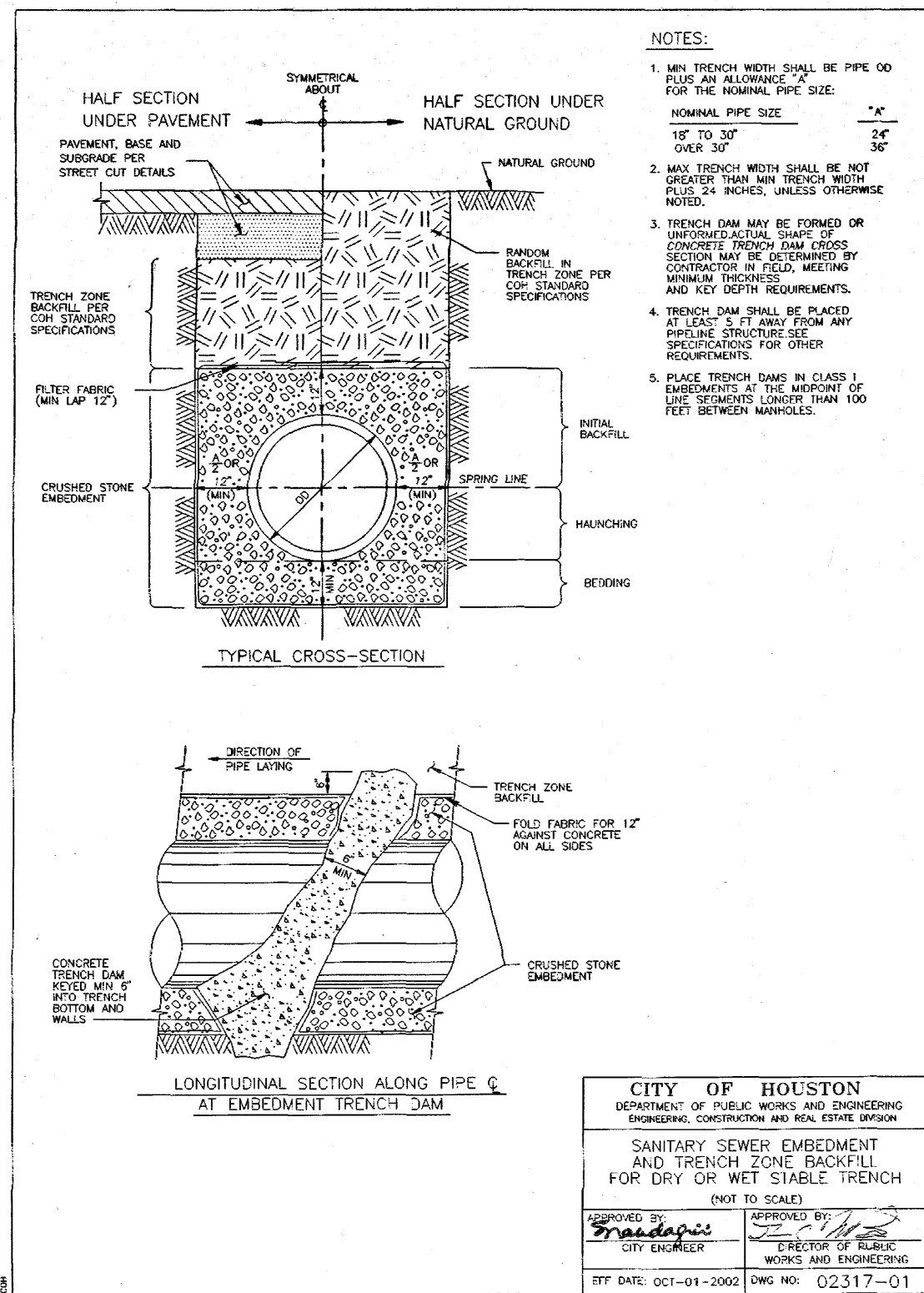
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
STREET & BRIDGE
TRAFFIC
STORM WATER QUALITY
FILE NO. 1968-1051
FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
HORZ: 1" = 50'
VERT: 1" = 5'
SHEET NO. 7 OF 10
58544
CITY DRAWING NUMBER
HOUSTON, TEXAS

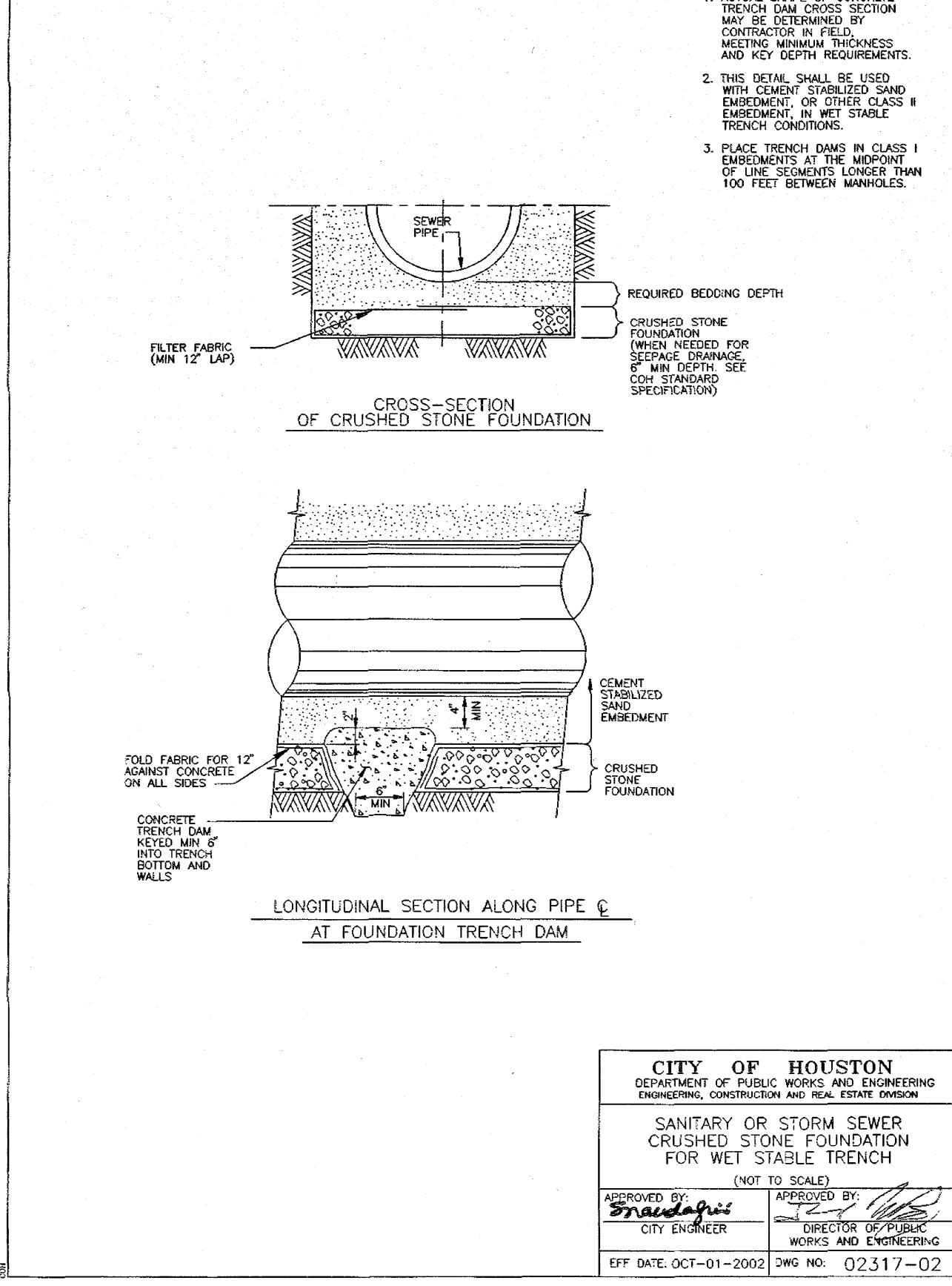
WEST AIRPORT FORCEMAIN



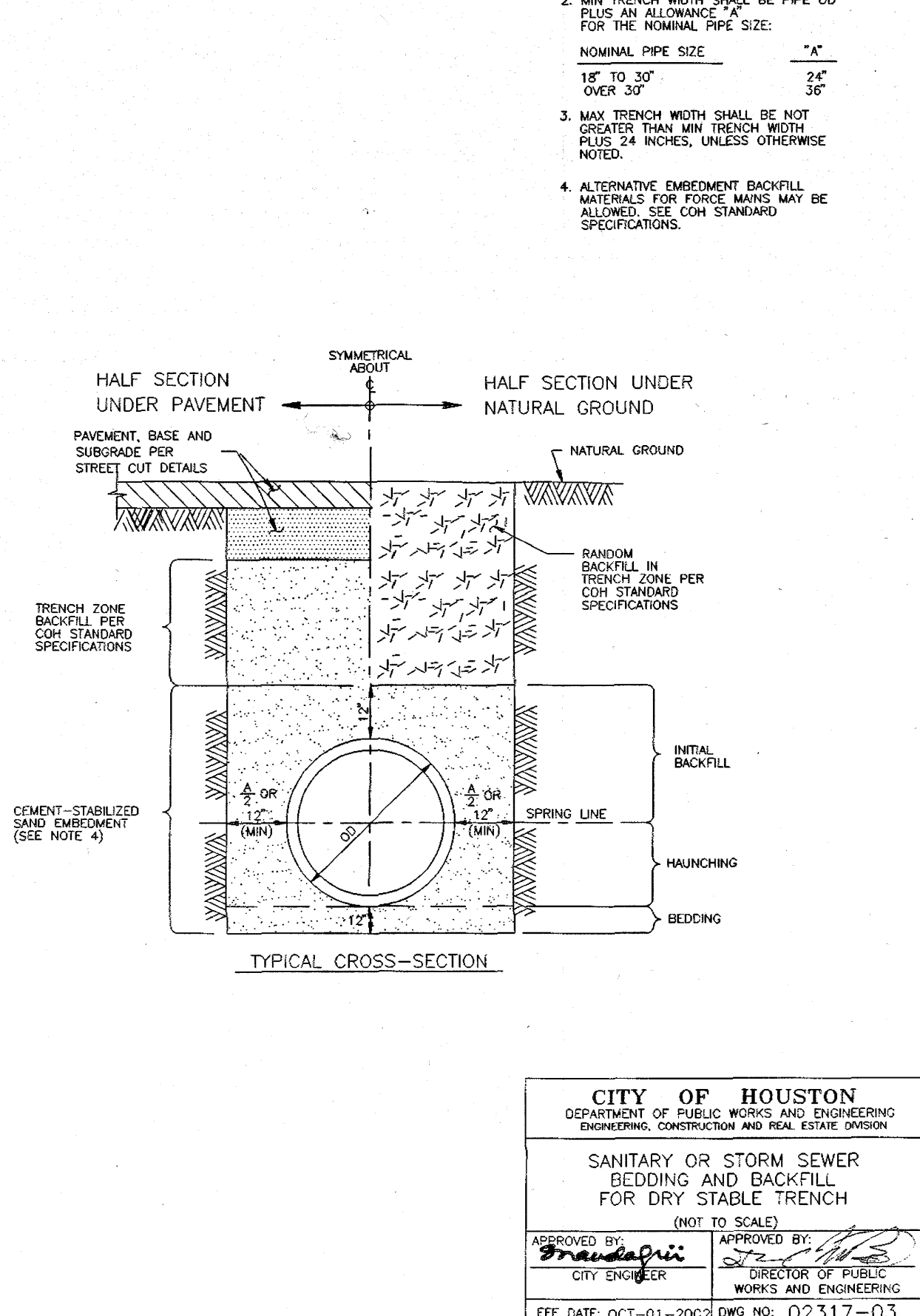
7
Date: Time: Thu, 06 Jul 2017 10:32am User Name: jkelly Address: 1968-1051 West Airport Forcemain Extension - (26+00 TO 39+00) dwg
Plot Name: 1968-1051 West Airport Forcemain Extension - (26+00 TO 39+00) dwg



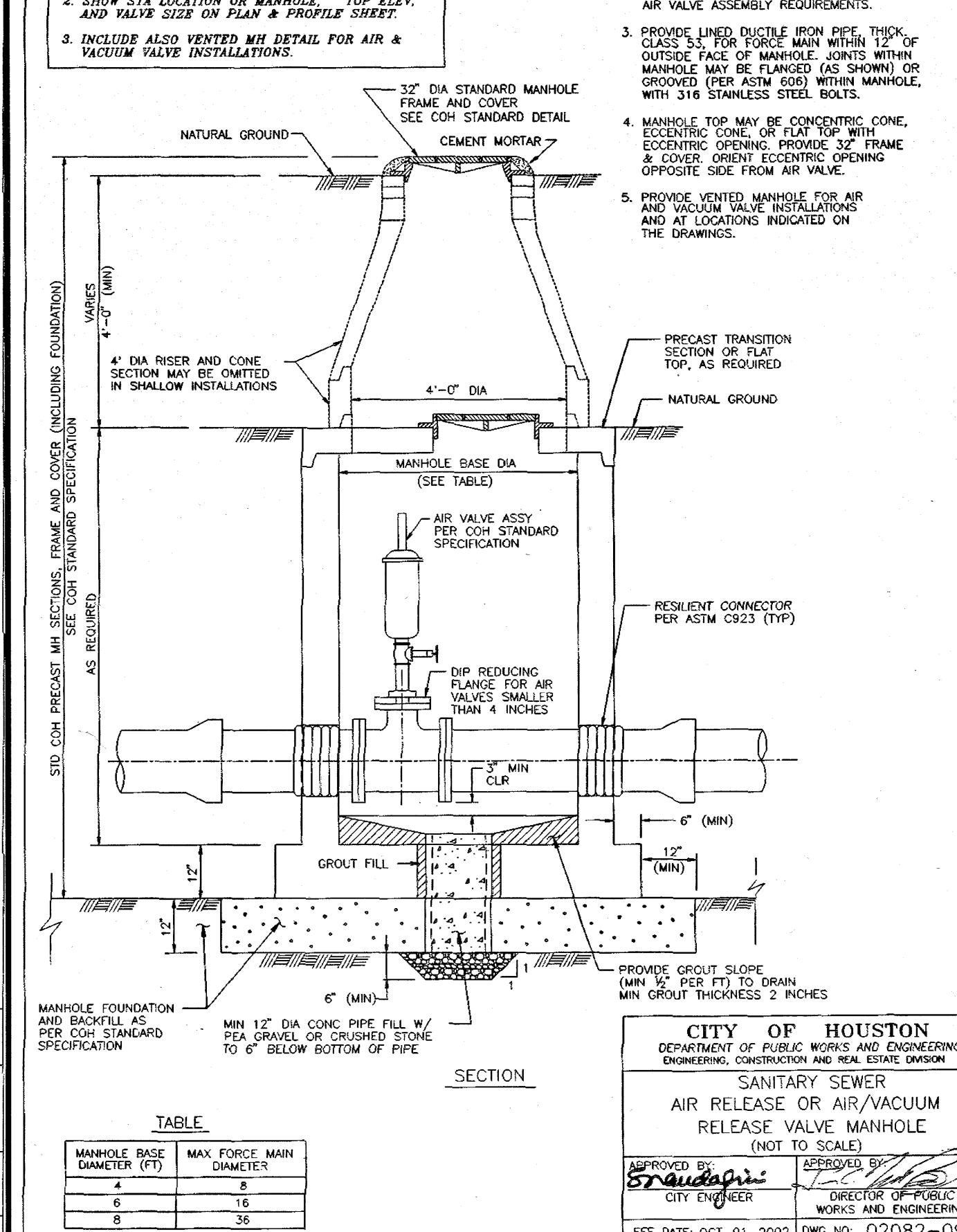
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
SANITARY SEWER EMBEDMENT
AND TRENCH ZONE BACKFILL
FOR DRY OR WET STABLE TRENCH
(NOT TO SCALE)
APPROVED BY: [Signature]
CITY ENGINEER
EFFECT DATE: OCT-01-2002 DWG NO: 02317-01



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
SANITARY OR STORM SEWER
CRUSHED STONE FOUNDATION
FOR WET STABLE TRENCH
(NOT TO SCALE)
APPROVED BY: [Signature]
CITY ENGINEER
EFFECT DATE: OCT-01-2002 DWG NO: 02317-02



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
SANITARY OR STORM SEWER
BEDDING AND BACKFILL
FOR DRY STABLE TRENCH
(NOT TO SCALE)
APPROVED BY: [Signature]
CITY ENGINEER
EFFECT DATE: OCT-01-2002 DWG NO: 02317-03



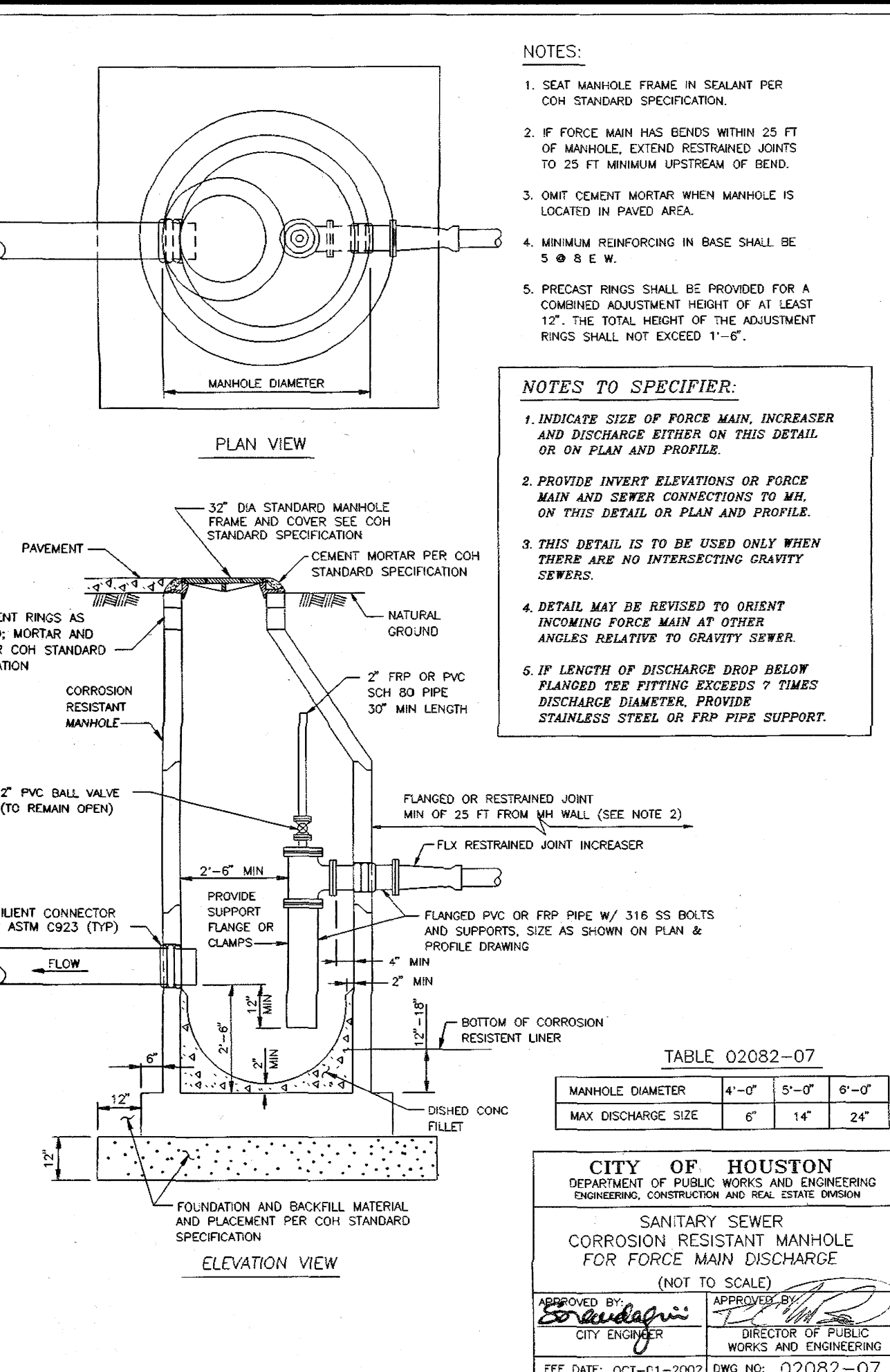
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
SANITARY SEWER
AIR RELEASE OR AIR/VACUUM
RELEASE VALVE MANHOLE
(NOT TO SCALE)
APPROVED BY: [Signature]
CITY ENGINEER
EFFECT DATE: OCT-01-2002 DWG NO: 02082-09

SANITARY SEWER EMBEDMENT
AND TRENCH ZONE BACKFILL
FOR DRY OR WET STABLE TRENCH

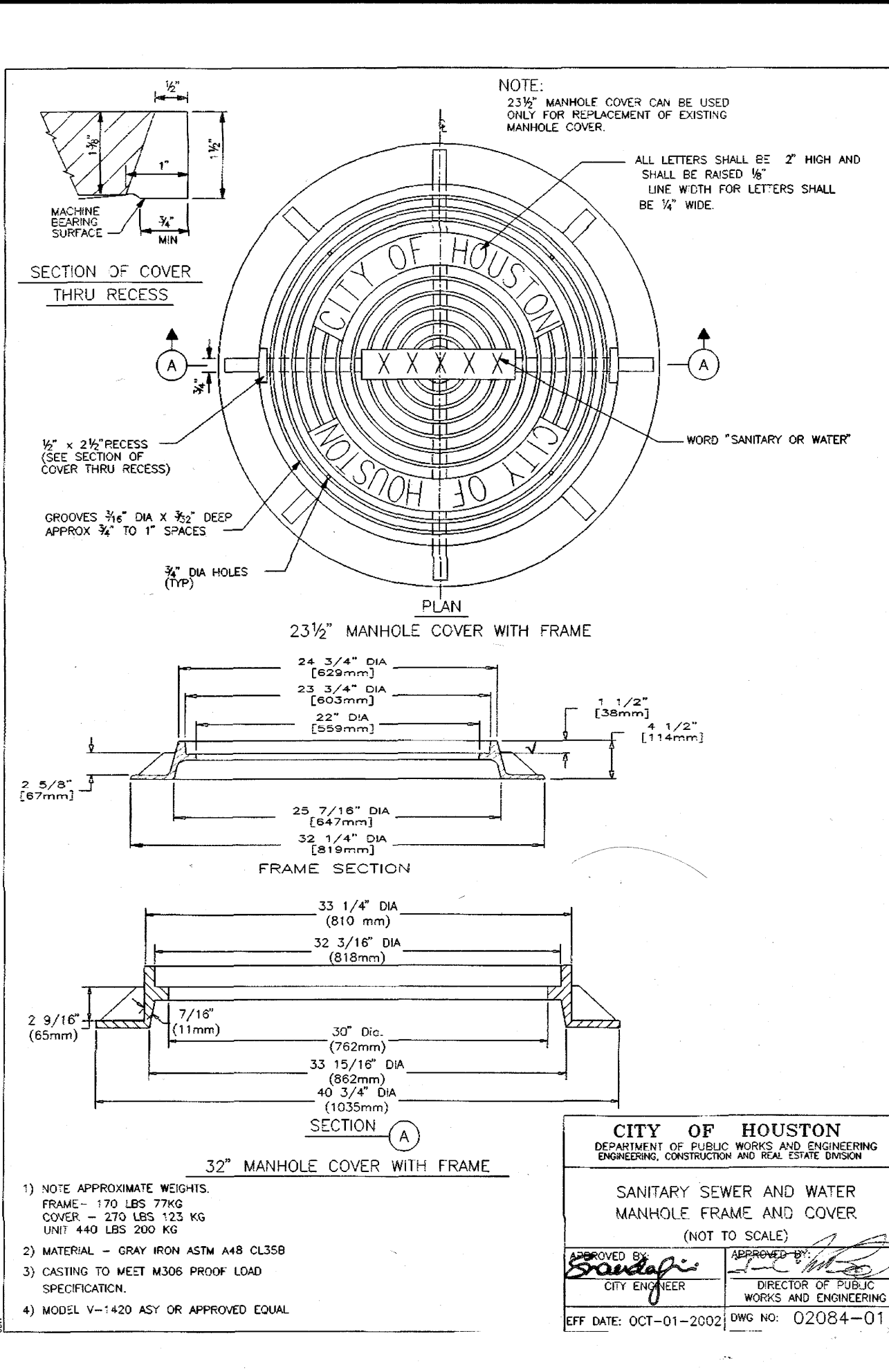
SANITARY OR STORM SEWER CRUSHED STONE
FOUNDATION FOR WET STABLE TRENCH

SANITARY OR STORM SEWER BEDDING AND
BACKFILL FOR DRY STABLE TRENCH

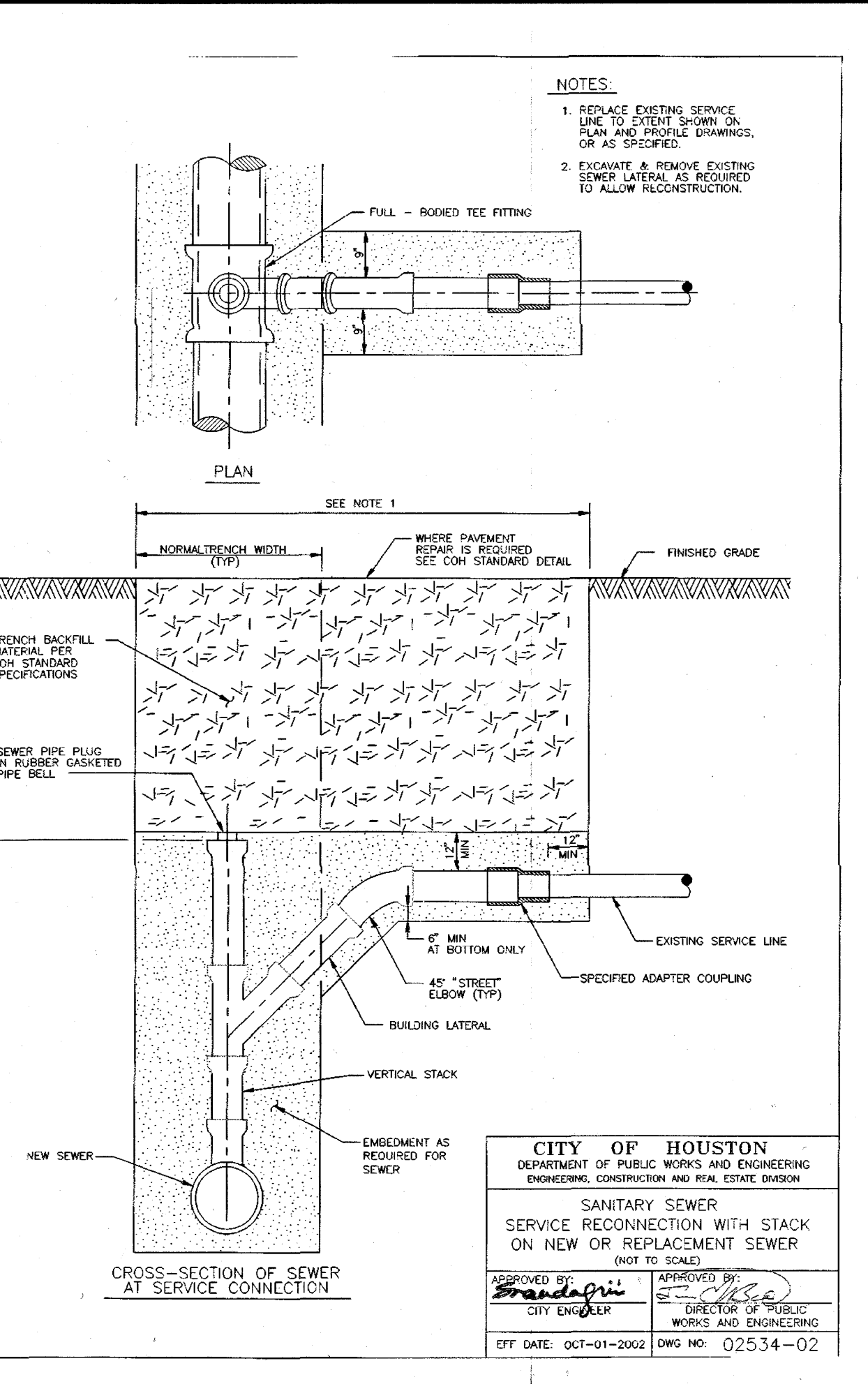
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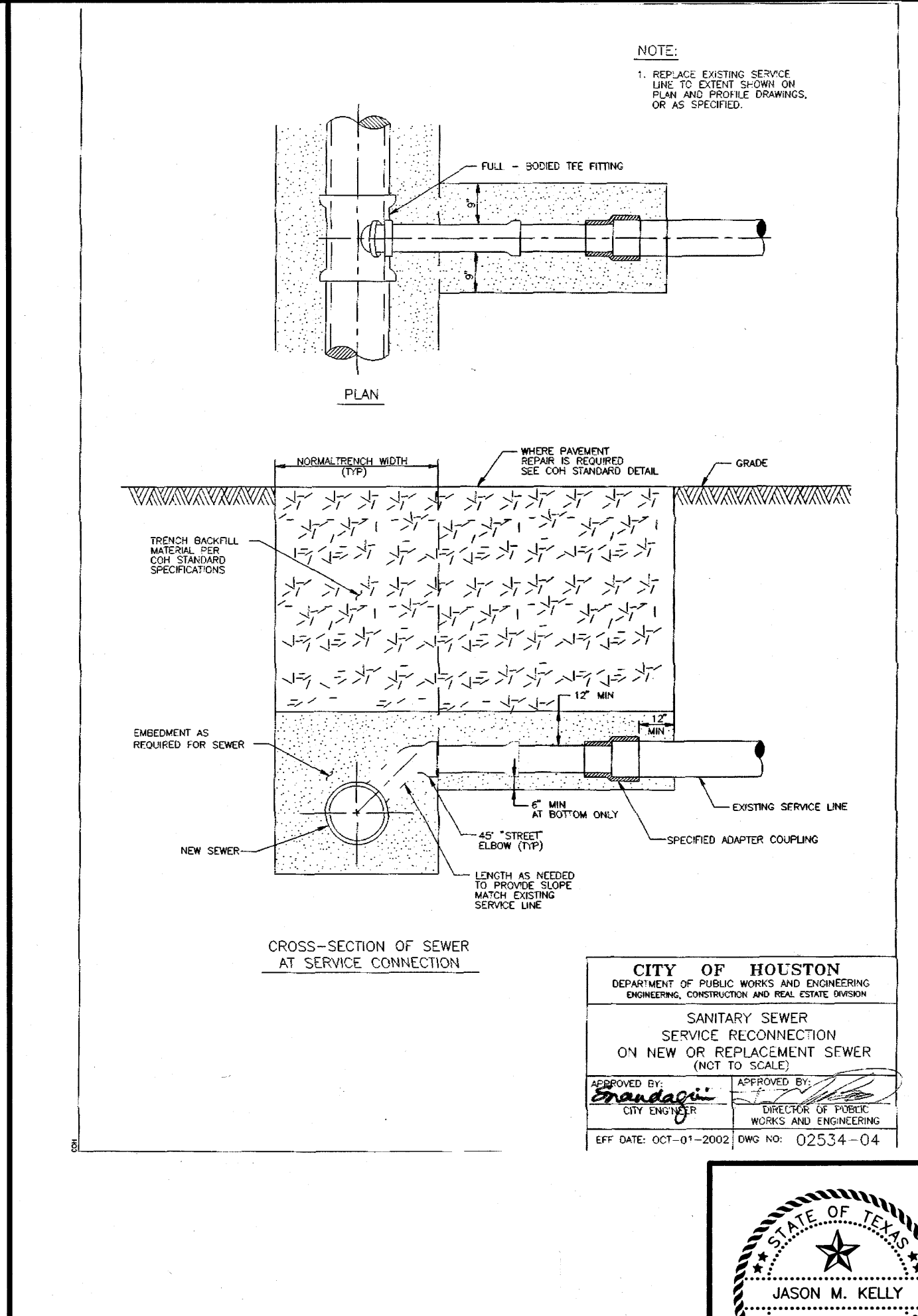
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
SANITARY SEWER
CORROSION RESISTANT MANHOLE
FOR FORCE MAIN DISCHARGE
(NOT TO SCALE)
APPROVED BY: [Signature]
CITY ENGINEER
EFFECT DATE: OCT-01-2002 DWG NO: 02082-07



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
SANITARY SEWER AND WATER
MANHOLE FRAME AND COVER
(NOT TO SCALE)
APPROVED BY: [Signature]
CITY ENGINEER
EFFECT DATE: OCT-01-2002 DWG NO: 02084-01



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
SANITARY SEWER
SERVICE RECONNECTION WITH STACK
ON NEW OR REPLACEMENT SEWER
(NOT TO SCALE)
APPROVED BY: [Signature]
CITY ENGINEER
EFFECT DATE: OCT-01-2002 DWG NO: 02534-02



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
SANITARY SEWER
SERVICE RECONNECTION
ON NEW OR REPLACEMENT SEWER
(NOT TO SCALE)
APPROVED BY: [Signature]
CITY ENGINEER
EFFECT DATE: OCT-01-2002 DWG NO: 02534-04

SANITARY SEWER CORROSION RESISTANT
MANHOLE FOR FORCE MAIN DISCHARGE

SANITARY SEWER AND WATER
MANHOLE FRAME AND COVER

SANITARY SEWER SERVICE RECONNECTION WITH
STACK ON NEW OR REPLACEMENT SEWER

SANITARY SEWER SERVICE
RECONNECTION ON NEW OR
REPLACEMENT SEWER

BENCHMARK:
A-1212 - BRASS DISK, STAMPED A-1212 1973, SET IN THE TOP OF A CONCRETE HEADWALL ON THE WEST BOUND LANES OF HWY 90A, APPROX. 4.1 MILES WEST ALONG HWY 90A FROM THE JUNCTION OF HWY 6 IN SUGARLAND, TEXAS. THE DISK IS SET 2.0 FEET EAST OF THE WEST END OF THE NORTH CONCRETE HEADWALL, AND 27.0 FEET NORTH OF THE CENTERLINE OF THE WESTBOUND LANES, AND 1/2 FOOT HIGHER THAN THE ROAD.
ELEV. = 78.65 FEET (NGVD-29) 1973 ADJ.
ELEV. = 93.19 FEET 1973 ADJ.

NOTES:
CONTRACTOR TO COORDINATE ALL IRRIGATION SHUT OFFS AND REPAIRS WITH ROWE ALFARO (281) 808-6229

RECORD DRAWING
I CERTIFY THAT THIS DRAWING REFLECTS THE IMPROVEMENTS CONSTRUCTED AS TO SIZE, LOCATION AND GRADE AND THAT THE CONSTRUCTION WAS IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS
BY: _____ DATE: _____
TITLE: _____
FORT BEND COUNTY ENGINEERING DEPARTMENT
APPROVED: [Signature] DEVELOPMENT COORDINATOR
DATE: 8/16/17
DATE REVISION BY
PLAT NAME: WEST AIRPORT BOULEVARD
CPC 101 FILE NO. 16-1149
F.B.C.M.U.D. NO. 134A
14 INCH FORCEMAIN EXTENSION
SANITARY SEWER DETAILS
LJA Engineering, Inc. 2929 Briarpark Drive Suite 600 Houston, Texas 77042 Phone 713.953.5200 Fax 713.953.5026 FRN - F-1386
LJA PROJECT NO.: 1968-1051
DESIGNED BY: AA DRAWN BY: AA DATE: JULY 2017
NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION
WATER STREET & BRIDGE
STORM STORM WATER QUALITY
FILE NO. FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE
SCALE: NONE
SHEET NO. 9 OF 10
58544
CITY DRAWING NUMBER
JASON M. KELLY
91021
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
EFFECT DATE: 8/16/17

Drawn: 08 Jul 2017 - 8:45am User: jmc - Corrosion
Plot Name: I:\Projects\1968-1051\ACD_Sheet_Files\08-WA-Sanitary Sewer Extension - SANDLI.dwg
Plot Date: 08 Jul 2017 - 8:45am

14 INCH FORCEMAIN EXTENSION - JOB NO. 1968-1051

