

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

5/25/2018 Original sent to Sean Eglinton, Engineering dept.



**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: 2018-20526

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:

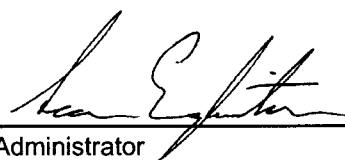
- ☐ County Attorney, approval when applicable.
- ☐ Perpetual bond currently posted. Bond No: _____ Amount: _____
- ☒ Performance bond submitted. Bond No: [REDACTED] Amount: \$19,055.00
- ☐ Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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



Permit Administrator

5/14/2018

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 [REDACTED]

THE STATE OF TEXAS §
COUNTY OF FORT BEND §

KNOW ALL MEN BY THESE PRESENTS:

THAT WE, Harris Construction Company, Ltd. whose (address, phone) is 6602 Guhn Rd., Houston, TX 77040/ 713-690-0791 Texas, hereinafter called the Principal, and Liberty Mutual Insurance Company, a Corporation existing under and by virtue of the laws of the state of Massachusetts and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at (name/address/phone) Allen Knepper / 10713 W. Sam Houston Parkway N., Suite 650, Houston, Texas 77064/ 713-744-1756 whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Massachusetts and whose address is 175 Berkeley St. Boston, MA 02117, 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 **Nineteen Thousand Fifty-Five and No/00 Dollars (\$19,055.00)** 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;

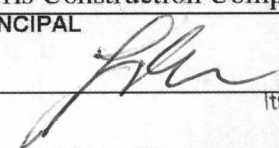
NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable, conduit and/or pole line activity (including, but not limited to the laying, construction, maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along roads, streets and highways, 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.

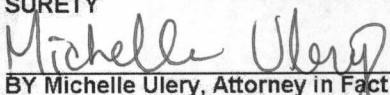
It is understood that at any time Fort Bend County deems itself insecure under this bond, it may require further and/or additional bonds of the principal.

EXECUTED this 15th day of June, 2018

Harris Construction Company, Ltd.
PRINCIPAL

BY  Its General Partner LHCC LLC

Liberty Mutual Insurance Company, Harris, President
SURETY


BY Michelle Ulery, Attorney in Fact

CCM 5/22/2018 # 13 L
Fort Bend County Clerk
Return Admin Serv Coord
Permit # 2018-20526 RAC

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7221437

American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, C.A. McClure; Kelly J. Brooks; Kenneth L. Meyer; Michelle Ulery

all of the city of CYPRESS, state of TX each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 5th day of January, 2016.



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 5th day of January, 2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of June, 2018.



By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



TEXAS IMPORTANT NOTICE

To obtain information or make a complaint:

You may call toll-free for information or to make a complaint at
1-877-751-2640

You may also write to:

2200 Renaissance Blvd., Ste. 400
King of Prussia, PA 19406-2755

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

You may write the Texas Department of Insurance Consumer Protection (111-1A)
P. O. Box 149091
Austin, TX 78714-9091
FAX: (512) 490-1007
Web: <http://www.tdi.texas.gov>
E-mail: ConsumerProtection@tdi.texas.gov

PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should first contact the agent or call 1-800-843-6446. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR POLICY:

This notice is for information only and does not become a part or condition of the attached document.

TEXAS AVISO IMPORTANTE

Para obtener informacion o para someter una queja:

Usted puede llamar al numero de telefono gratis para informacion o para someter una queja al
1-877-751-2640

Usted tambien puede escribir a:

2200 Renaissance Blvd., Ste. 400
King of Prussia, PA 19406-2755

Puede comunicarse con el Departamento de Seguros de Texas para obtener informacion acerca de companias, coberturas, derechos o quejas al
1-800-252-3439

Puede escribir al Departamento de Seguros de Texas Consumer Protection (111-1A)
P. O. Box 149091
Austin, TX 78714-9091
FAX # (512) 490-1007
Web: <http://www.tdi.texas.gov>
E-mail: ConsumerProtection@tdi.texas.gov

DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el agente o primero. Si no se resuelve la disputa, puede entonces comunicarse con el departamento (TDI)

UNA ESTE AVISO A SU POLIZA:

Este aviso es solo para proposito de informacion y no se convierte en parte o condicion del documento adjunto.

FILED AND RECORDED
OFFICIAL PUBLIC RECORDS

Laura Richard

Laura Richard, County Clerk

Fort Bend County Texas

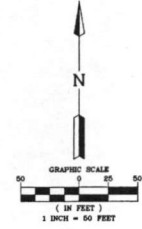
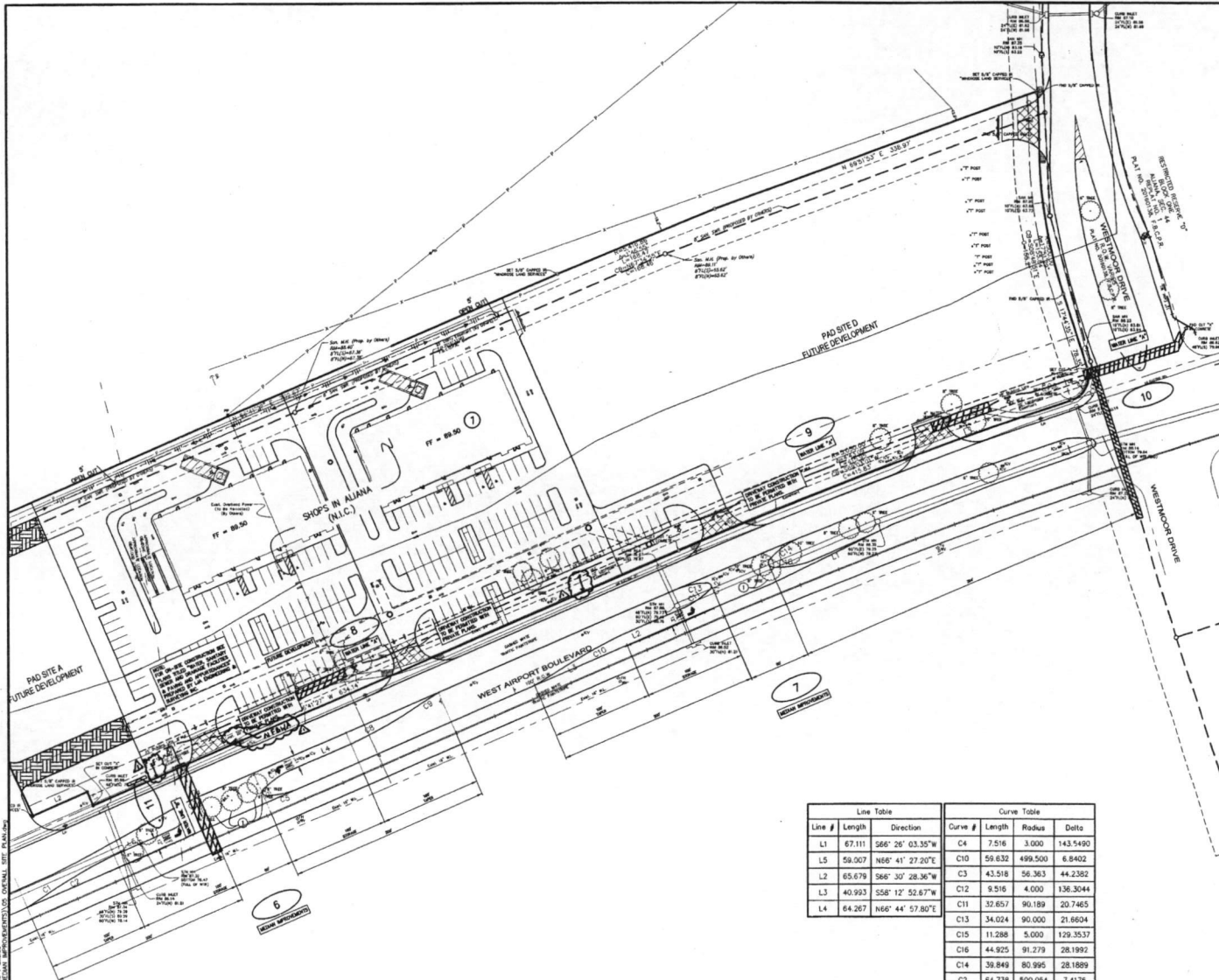
June 25, 2018 01:16:50 PM



FEE: \$0.00

SG

2018070116



Line Table			Curve Table			
Line #	Length	Direction	Curve #	Length	Radius	Delta
L1	67.111	S66° 26' 03.35\"W	C4	7.516	3.000	143.5490
L5	59.007	N66° 41' 27.20\"E	C10	59.632	499.500	6.8402
L2	65.679	S66° 30' 28.36\"W	C3	43.518	56.363	44.2382
L3	40.993	S58° 12' 52.67\"W	C12	9.516	4.000	136.3044
L4	64.267	N66° 44' 57.80\"E	C11	32.657	90.189	20.7465
			C13	34.024	90.000	21.6604
			C15	11.288	5.000	129.3537
			C16	44.925	91.279	28.1992
			C14	39.849	80.995	28.1889
			C2	64.738	500.054	7.4176
			C1	36.149	1309.042	1.5822
			C5	32.657	90.189	20.7465
			C6	9.516	4.000	136.3044
			C7	34.024	90.000	21.6604
			C8	64.738	500.054	7.4176
			C9	36.149	1309.042	1.5822

- LEGEND**
- PROPOSED WATER LINE, 6\" DIA. WITH FLOWING VALVE
 - EXISTING WATER LINE, 6\" DIA. WITH FLOWING VALVE
 - PROPOSED SANITARY SEWER LINE & MANHOLE & CLEANOUT
 - EXISTING SANITARY SEWER LINE & MANHOLE & CLEANOUT
 - PROPOSED STORM SEWER LINE, 18\" C&G & INLETS
 - EXISTING STORM SEWER LINE, 18\" C&G & INLETS
 - PROPOSED TYPE C INLET
 - EXISTING TYPE C INLET
 - EXISTING STORM SEWER LINE & MANHOLE & INLETS
 - EXISTING ELEVATIONS
 - EXISTING ELECTRICAL UNDERGROUND CONDUIT
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND TELEPHONE CABLE
 - PROPOSED CATCH BASIN
 - PROPOSED JUNCTION BOX
 - UNASSIGNED FUTURE SITES
 - ONE AT, C&G P&C, CENTERED EACH WAY
 - PROPOSED WATER METER
 - PROPOSED BORE
 - GLUEM OUT
 - SHEET NUMBER REFERENCE

DEMOLITION NOTES:

1 CONTRACTOR TO REMOVE ONLY ASSOCIATED TREES AND REMOVE OF SIGNS OFF SITE.

BENCHMARK PUBLISHED ELEVATION - 125.06'
 NATIONAL GEODETIC SURVEY MARKER, DESIGNATION "E 12807", P&C "4462158", ISOL STAMPED "E 12807 1987" LOCATED ABOUT 4.8 MILES EAST ALONG FARM ROAD 1093 FROM THE SOUTHERN PACIFIC RAILROAD STATION IN PULASKI. ALSO, 1.7 MILES EAST ALONG FARM ROAD 1093 FROM THE JUNCTION OF FARM ROADS 359 AND 1463, SET 6.1 MILES NORTHWEST OF A POWER LINE SUB-STATION, 60 FEET NORTH OF THE CENTERLINE OF THE ROAD, 20.5 FEET EAST OF THE CENTERLINE OF A FIELD ROAD AND GATE LEADING NORTH, 2.5 FEET WEST-NORTHWEST OF A POWER POLE, NUMBER 1405, AND 1 FOOT SOUTH OF A FENCE. THE MARK IS 0.3 METERS SOUTH FROM A WITNESS POST. (NAVD 1983).

TERM "A" ELEVATION - 93.75'
 A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE SOUTH OF WEST BELFORT.
 TERM "B" ELEVATION - 93.20'
 A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE NORTH OF STATE HIGHWAY 99.

FORT BEND COUNTY ENGINEERING DEPARTMENT
 ENGINEER: RICHARD W. STOLLES, P.E.
 DATE: 12/14/17
 THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.
 APPROVED: [Signature]
 DEVELOPMENT COORDINATOR
 DATE: 12/14/17

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: [Signature] DATE: [Blank]
 TITLE: [Blank]

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: [Signature] DATE: [Blank]
 TITLE: [Blank]

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA
 CPC 101 FILE NO. 2017-1121C2
 C.O.H. LOG NO. 17-1654
 CITY OF HOUSTON E.T.J.
 FORT BEND COUNTY, TEXAS
 ALIANA-HUNTINGTON WATER LINE AND MEDIAN IMPROVEMENTS

OVERALL SITE PLAN

LJA Engineering, Inc.
 1904 W. Grand Parkway North
 Suite 100
 Katy, Texas 77449
 Phone 713.953.5200
 Fax 713.953.5025
 F9064-1386
 LJA PROJECT NO.: 2423-1702
 DESIGNED BY: DPM
 DRAWN BY: DPM
 DATE: SEPTEMBER 2017

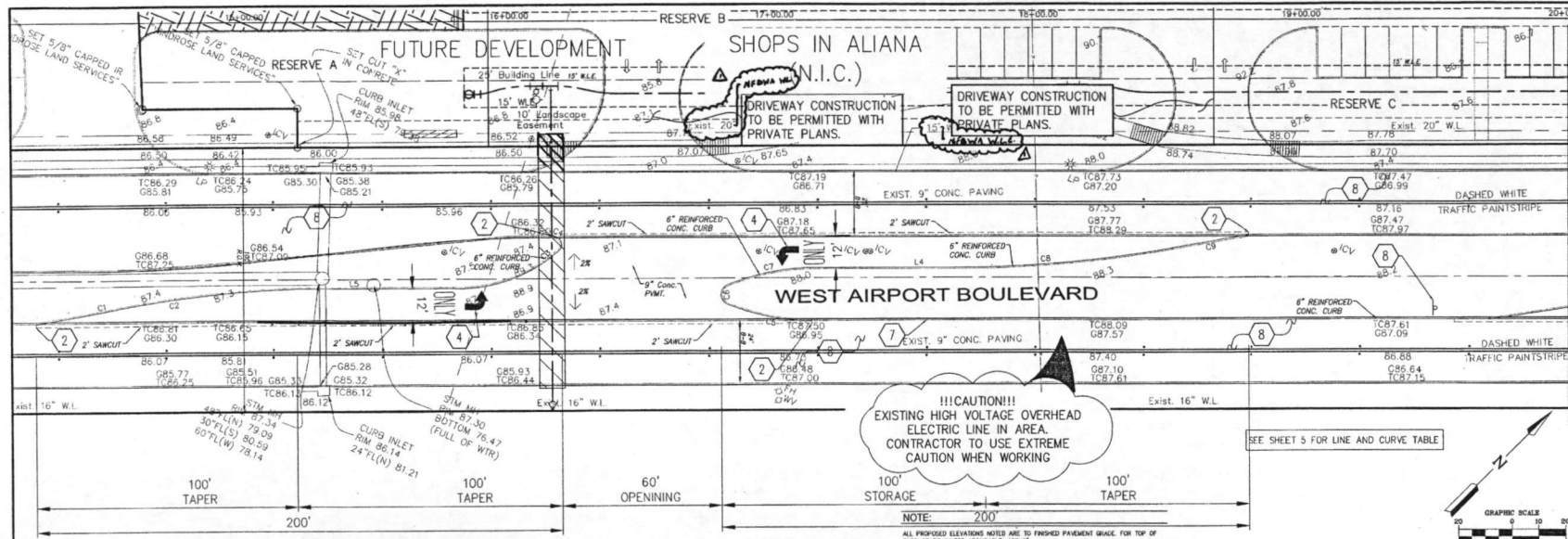
WATER STREET & BRIDGE
 TRAFFIC & TRANSPORTATION
 STORM WATER QUALITY
 FACILITIES

FILE NO.
 DRAWING SCALE
 SCALE: AS SHOWN
 SHEET NO. 05 OF 16



SHOP AT ALIANA - 1904 W. GRAND PARKWAY NORTH, SUITE 100, KATY, TEXAS 77449
 PROJECT NO. 2423-1702
 SHEET NO. 05 OF 16
 DATE: SEPTEMBER 2017
 DESIGNED BY: DPM
 DRAWN BY: DPM
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]
 ENGINEER: RICHARD W. STOLLES, P.E.
 LICENSE NO. 10995
 STATE OF TEXAS
 EXPIRATION DATE: 12/31/2020

ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS 2423-1702

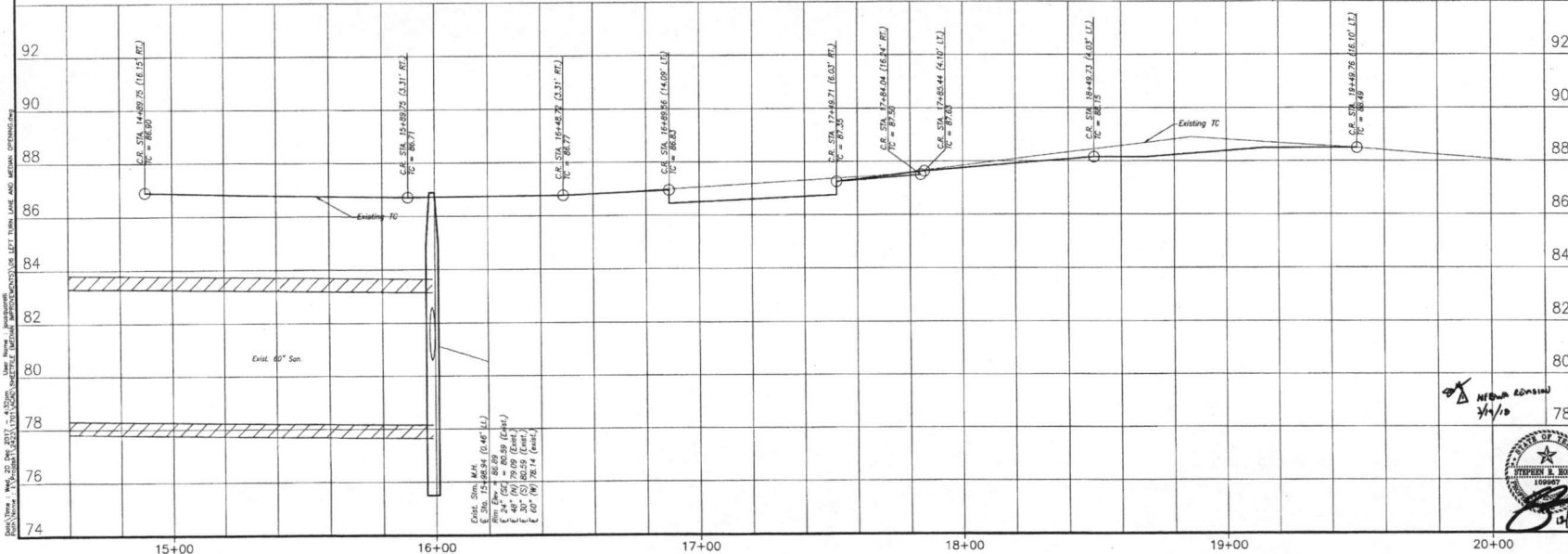


- GRADING NOTES:**
1. 8\"/>

WEST AIRPORT BLVD
(100' R.O.W.)

- GENERAL NOTES:**
1. CONTRACTOR SHALL MAINTAIN SITE DRAINAGE AT ALL TIMES.
 2. ALL MATERIALS FROM DEMOLITION/REMOVALS AS WELL AS EXCESS MATERIALS FROM THE EXCAVATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL DISPOSE OFF-SITE IN A LAWFUL MANNER.
 3. GRADE PAVING UNIFORMITY BETWEEN INDICATED ELEVATIONS. ADJUST ELEVATIONS AS DIRECTED BY THE ENGINEER AND AS REQUIRED TO ACHIEVE POSITIVE DRAINAGE AND PLEASING APPEARANCE THROUGHOUT.
 4. ADJUST STRUCTURES (JUNCTION BOXES, VALVE BOXES, PUL BOXES, ETC.) AS REQUIRED TO CONFORM TO NEW FINISHED GRADES.
 5. PROPOSED PAVEMENT THICKNESS TO MATCH EXISTING PAVEMENT.

CENTER 1-18\"/>



MATCH LINE / SEE SHEET 07 STA: 20+00

BENCHMARK PUBLISHED ELEVATION - 125.06'
NATIONAL GEODETIC SURVEY MARK, DESIGNATION "E 1250", PG. 7421587, DISK STAMPED "E 1250 1978" LOCATED ABOUT 4.5 MILES EAST ALONG FARM ROAD 1983 FROM THE SOUTHERN PACIFIC RAILROAD STATION IN FARM ROAD. ALSO, 1.7 MILES EAST ALONG FARM ROAD 1983 FROM THE JUNCTION OF FARM ROAD 359 AND 1463, SET 0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 60 FEET NORTH OF THE CENTERLINE OF THE ROAD, 253 FEET EAST OF THE CENTERLINE OF A FIELD ROAD AND DATE LEADING NORTH, 25 FEET WEST-NORTHWEST OF A POWER POLE, NUMBER 1465, AND 1 FOOT SOUTH OF A FENCE. THE MARK IS 0.3 METERS SOUTH FROM A WITNESS POST. (NAVD 1983).

DATE: 12/21/17
APPROVED: [Signature]
DEVELOPMENT COORDINATOR

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.

DATE: 12/21/17
BY: [Signature]
TITLE: [Blank]

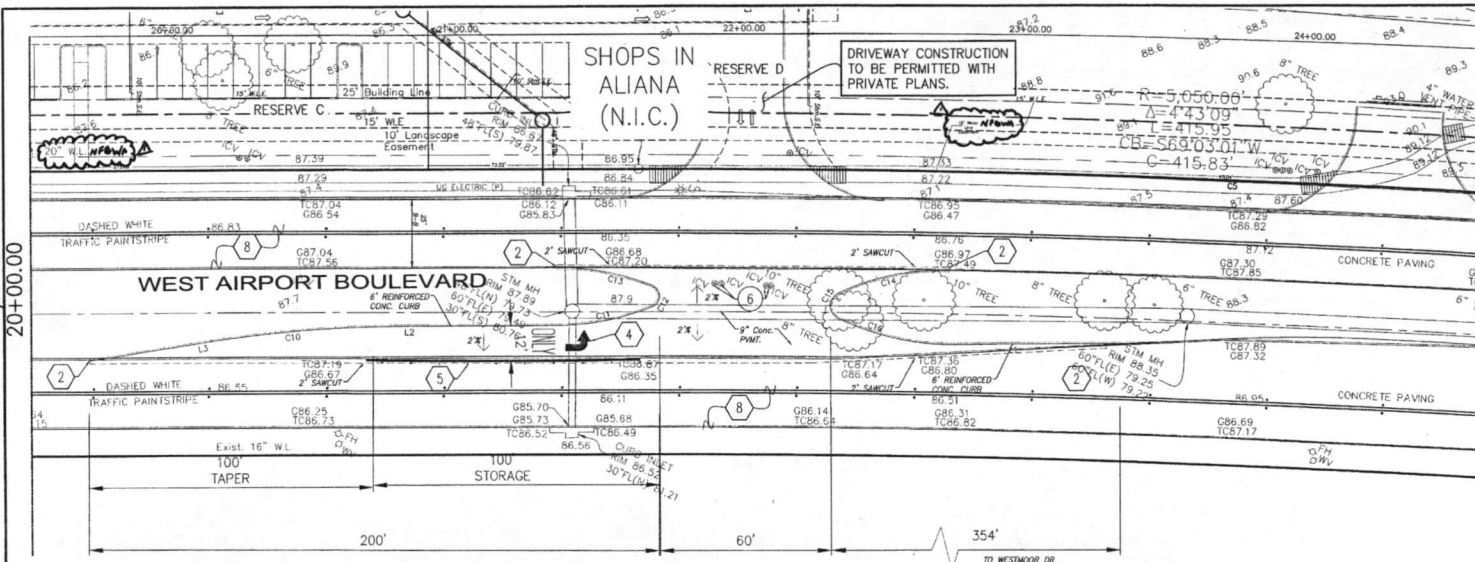
RECORD DRAWING
I CERTIFY THAT THIS DRAWING REFLECTS THE IMPROVEMENTS CONSTRUCTED AS TO SIZE, LOCATION AND GRADE AND THAT THE CONSTRUCTION WAS IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS.

DATE: 12/21/17
BY: [Signature]
TITLE: [Blank]

PLAT NAME: SHOPS AT ALIANA
CPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1654
CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS
ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS
LEFT TURN LANE AND MEDIAN OPENING
LJA Engineering, Inc.
1904 W. Grand Parkway North
Suite 100
Houston, Texas 77049
Phone 713.953.5200
Fax 713.953.5025
FPM#-1386
LJA PROJECT NO.: 2423-1702
DESIGNED BY: DPM
DRAWN BY: DPM
DATE: SEPTEMBER 2017
WATER: [Signature]
STREET & BRIDGE
TRAFFIC & TRANSPORTATION
STORM WATER QUALITY
FACILITIES
FILE NO.: [Blank]
DRAWING SCALE:
HORIZ: 1" = 20'
VERT: 1" = 2'
SHEET NO. 06 OF 16

ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS 2423-1702

MATCH LINE / SEE SHEET 06

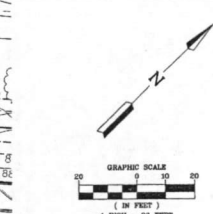


- GRADING NOTES:**
1. 6" WIDE SOLID WHITE STRIPE PER FORT BEND COUNTY STANDARDS DETAIL S-25, SHEET 14.
 2. CONTRACTOR TO MATCH ELEVATION AT EXISTING PAVEMENT.
 3. ADJUST EXISTING STORM MARKERS TO MATCH PROPOSED PAVEMENT.
 4. TURNING ARROW SEE DETAIL S-28, SHEET 14.
 5. 4" 50' 1-WAY REFLECTORIZED WHITE BASED PAVEMENT MARKERS, TYPE I-C, SEE DETAIL S-25, SHEET 14.
 6. TYPED R3-X SIGN - LEFT TURN LANE.
 7. CONTRACTOR TO VERIFY DEPTH OF CURB CONDUIT PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IN WRITING.
 8. EXIST. 6" PAVEMENT WITH 6" CURB.

NOTE:
ALL PROPOSED ELEVATIONS NOTED ARE TO FINISHED PAVEMENT GRADE, FOR TOP OF CURB GRADE, WHERE APPLICABLE, ADD 6"

- GENERAL NOTES:**
1. CONTRACTOR SHALL MAINTAIN SITE DRAINAGE AT ALL TIMES.
 2. ALL MATERIALS FROM DEMOLITION/REMOVALS AS WELL AS EXCESS MATERIALS FROM THE EXCAVATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL DISPOSE OFF-SITE IN A LAWFUL MANNER.
 3. GRADE PAVING UNIFORMITY BETWEEN INDICATED ELEVATIONS. ADJUST ELEVATIONS AS DIRECTED BY THE ENGINEER AND AS RELATED TO ACHIEVE POSITIVE DRAINAGE AND PLEASANT APPEARANCE THROUGHOUT.
 4. ADJUST STRUCTURES (JUNCTION BOXES, VALVE BOXES, PULL BOXES, ETC) AS REQUIRED TO CONFORM TO NEW FINISHED GRADES.
 5. PROPOSED PAVEMENT THICKNESS TO MATCH EXISTING PAVEMENT.
 6. CONTRACTOR TO COORDINATE ALL IRRIGATION SHUT OFFS AND REPAIRS WITH MLJ LANDSCAPING (PHONE ALFA 281-808-8229)

WEST AIRPORT BLVD (100' R.O.W.)



SEE SHEET 5 FOR LINE AND CURVE TABLE
FOR ALL LINE AND CURVE INFORMATION REFERENCE SHEET 05

BENCHMARK PUBLISHED ELEVATION - 125.06'
NATIONAL GEODETIC SURVEY MARKER, DESIGNATION "1250", P.D. "NAD83", DECK STAMPED "1250 1937" LOCATED ABOUT 4.8 FEET EAST ALONG FROM ROAD 1937 FROM THE SOUTHERN PACIFIC RAILROAD STATION IN FLECHER. ALSO, 1.7 FEET EAST ALONG FROM ROAD 1937 FROM THE JUNCTION OF TOWN ROAD 359 AND 1443, SET 0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 60 FEET NORTH OF THE CENTERLINE OF THE ROAD, 23.5 FEET EAST OF THE CENTERLINE OF A FIELD ROAD AND GATE LEADING NORTH, 2.5 FEET WEST-NORTHWEST OF A POWER POLE, NUMBER 1443, AND 1 FOOT SOUTH OF A FENCE. THE MARK IS 0.3 METERS SOUTH FROM A WITNESS POST. (NAVD 1988).

BM "A" ELEVATION - 93.75'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE SOUTH OF WEST BELLFORT.
STM "B" ELEVATION - 93.20'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE NORTH OF STATE HIGHWAY 99.

FORT BEND COUNTY ENGINEERING DEPARTMENT
ENGINEER: RICHARD W. STOLLER, P.E.
DATE: _____
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN ONE YEAR FROM DATE OF APPROVAL.
APPROVED: *[Signature]*
DATE: 12/21/17
DEVELOPMENT COORDINATOR

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: _____

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: _____

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA
CPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1654
CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS

ALIANA-HUNTINGTON WATER LINE AND MEDIAN IMPROVEMENTS
LEFT TURN LANE AND MEDIAN OPENING 2

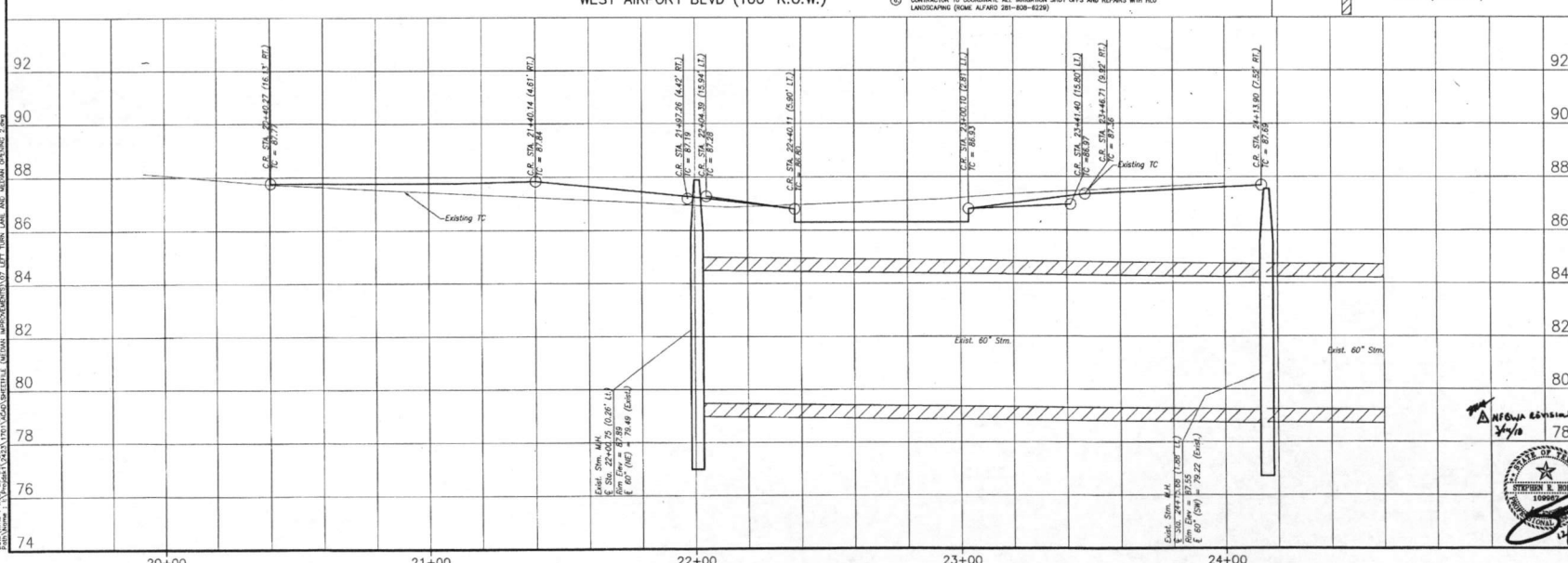
LJA Engineering, Inc.
1904 W. Grand Parkway North
Suite 100
Katy, Texas 77449
Phone 713.953.5200
Fax 713.953.5028
FIRM-F-1056

LJA PROJECT NO.: 2423-1702
DESIGNED BY: DPM
DRAWN BY: DPM
DATE: SEPTEMBER 2017

WATER
STREET & BRIDGE
TRAFFIC & TRANSPORTATION
STORM WATER QUALITY
FACILITIES

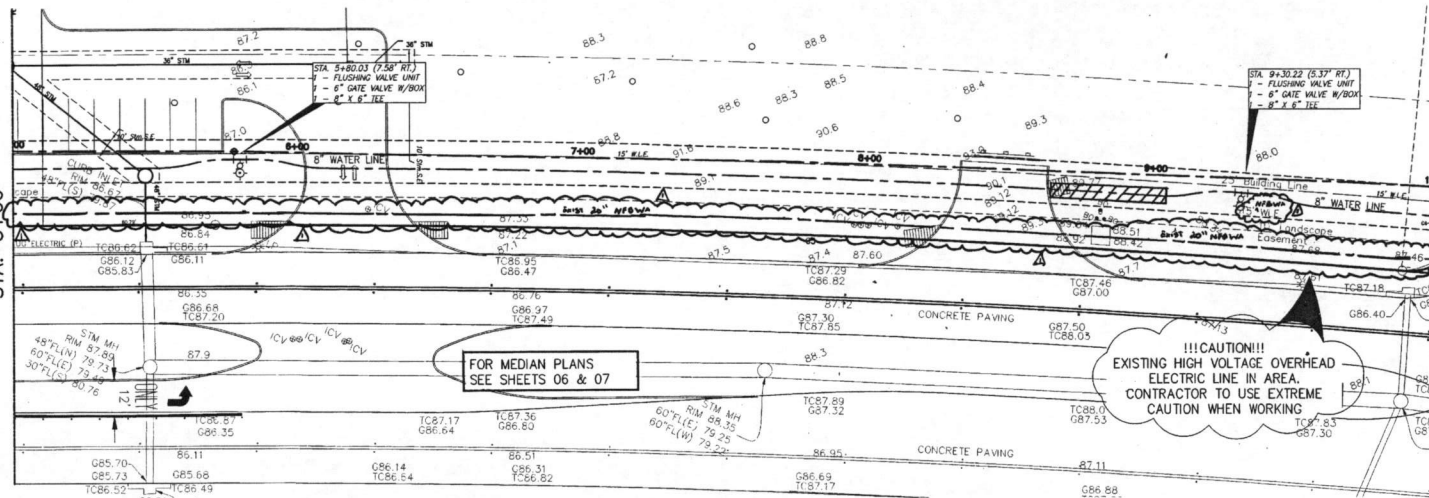
FILE NO.
DRAWING SCALE
HORZ: 1" = 20'
VERT: 1" = 2'

SHEET NO. 07 OF 16

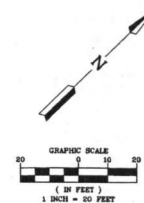


ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS 2423-1702

MATCH LINE / SEE SHEET 08
STA: 5+00



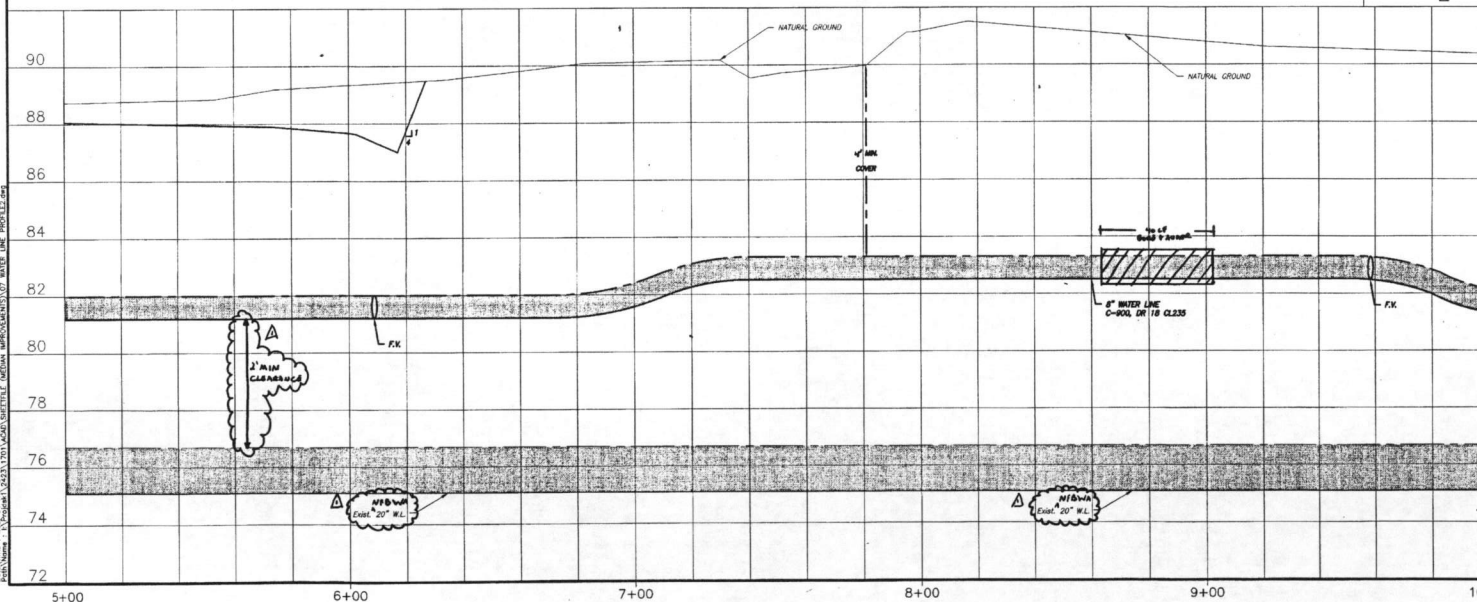
MATCH LINE / SEE SHEET 10
STA: 10+00



WATER LINE A STA 5+00 TO
STA 10+00



CENTER 1-18" PVC SANITARY JOINT
OVER/UNDER 1-18" WATER LINE JOINT. ADHERE
TO PROTECTION REQUIREMENTS FOR WL &
SANITARY CROSSINGS PER THE CITY OF
HOUSTON INFRASTRUCTURE DESIGN
MANUAL (TABLE 7.3)



BENCHMARK PUBLISHED ELEVATION - 125.05'
NATIONAL GEODETIC SURVEY MARKER, DESIGNATION "E
12507", PID #215167, DISK STAMPED "E 1250 1978"
LOCATED ABOUT 4.5 FEET EAST ALONG FARM ROAD 1003
FROM THE SOUTHERN PACIFIC RAILROAD STATION IN
FUSHER. ALSO, 1.7 FEET EAST ALONG FARM ROAD 1003
FROM THE JUNCTION OF FARM ROADS 359 AND 1463, SET
0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 60
FEET NORTH OF THE CENTERLINE OF THE ROAD, 30.5 FEET
EAST OF THE CENTERLINE OF A FIELD ROAD AND GATE
LOADING NORTH, 25 FEET WEST-NORTHWEST OF A POWER
POLE, NUMBER 1465, AND 1 FOOT SOUTH OF A FENCE.
THE MARK IS 0.3 METERS SOUTH FROM A
WITNESS POST. (NAVD 1988).

ITEM "A" ELEVATION - 93.75'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON
THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE
SOUTH OF WEST BELLFORT.
ITEM "B" ELEVATION - 93.20'
A CUT BOX IN FIRST CONCRETE "C" INLET
LOCATED ON THE WEST R.O.W. OF WATERVIEW
MEADOW DRIVE NORTH OF STATE HIGHWAY
99.

FORT BEND COUNTY ENGINEERING DEPARTMENT
ENGINEER: RICHARD W. STOLLER, P.E.
DATE: 12/14/17
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS
NOT COMMENCED IN (1) YEAR FROM DATE OF
APPROVAL: *[Signature]*
APPROVED: DEVELOPMENT COORDINATOR
DATE: 12/14/17

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

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

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA
CPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1654
CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS
ALIANA-HUNTINGTON WATER LINE
AND MEDIAN IMPROVEMENTS
WATER LINE A STA 5+00 TO
STA 10+00

LJA Engineering, Inc.
1904 W. Grand Parkway North
Suite 100
Katy, Texas 77449
Phone 713.953.5200
Fax 713.953.8006
FRI-1386

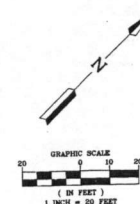
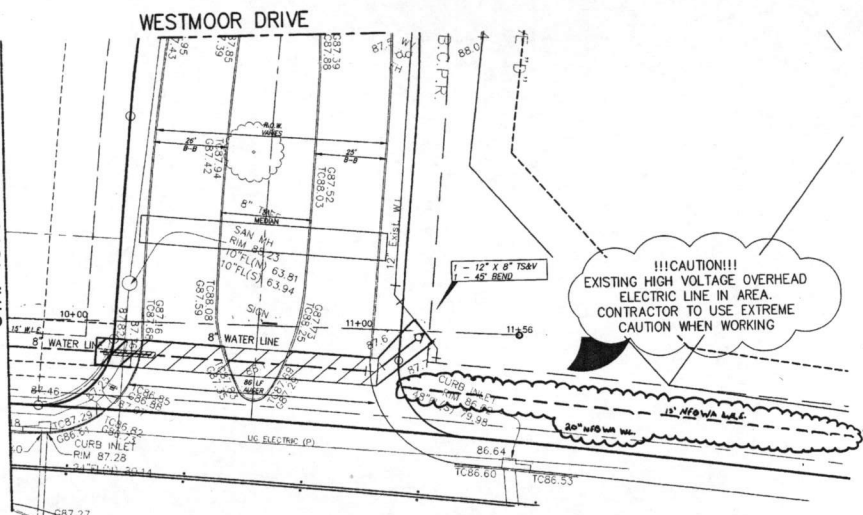
LJA PROJECT NO.: 2423-1702
DESIGNED BY: DPM
DRAWN BY: DPM
DATE: SEPTEMBER 2017

WATER: *[Signature]*
STREET & BRIDGE
TRAFFIC & TRANSPORTATION
STORM WATER QUALITY
FACILITIES

FILE NO.
DRAWING SCALE
HORZ: 1" = 20'
VERT: 1" = 2'
SHEET NO. 09 OF 16

ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS 2423-1702

MATCH LINE / SEE SHEET 09
STA: 10+00.00



BENCHMARK PUBLISHED ELEVATION - 125.08'
NATIONAL GEODETIC SURVEY MARK, DESIGNATION "E 1280", P.D. 74821587, DEK STAMPED "E 1280 1978" LOCATED ABOUT 4.6 MILES EAST ALONG FARM ROAD 1033 FROM THE SOUTHERN PACIFIC RAILROAD STATION IN FURBER. ALSO, 1.7 MILES EAST ALONG FARM ROAD 1033 FROM THE JUNCTION OF FARM ROADS 359 AND 1461, SET 0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 60 FEET NORTH OF THE CENTERLINE OF THE ROAD, 20.5 FEET EAST OF THE CENTERLINE OF A FIELD ROAD AND ONE LEADING NORTH, 2.5 FEET WEST-NORTHWEST OF A POWER POLE, NUMBER 1405, AND 1 FOOT SOUTH OF A FENCE. THE MARK IS 0.5 METERS SOUTH FROM A WITNESS POST. (NAVD 1988).

TBM "A" ELEVATION - 93.75'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST S.O.W. OF WATERVIEW MEADOW DRIVE SOUTH OF WEST BELFORT.

TBM "B" ELEVATION - 93.20'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST S.O.W. OF WATERVIEW MEADOW DRIVE NORTH OF STATE HIGHWAY 99.

FORT BEND COUNTY ENGINEERING DEPARTMENT

ENGINEER: RICHARD W. STOLLES, P.E.
DATE: 12/14/17
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.
APPROVED: [Signature]
DATE: 12/14/17

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: [Signature] DATE: [Blank]

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: [Signature] DATE: [Blank]

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA

CPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1654

CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS

ALIANA-HUNNINGTON WATER LINE AND MEDIAN IMPROVEMENTS

WATER LINE A STA 10+00 TO END

LJA Engineering, Inc.

1904 W. Grand Parkway North Phone 713.953.5200
Suite 100 Fax 713.953.5555
Katy, Texas 77449 FRY-F-1386

LJA PROJECT NO.: 2423-1702

DESIGNED BY: DPM DRAWN BY: DPM DATE: SEPTEMBER 2017

WATER STREET & BRIDGE

TRAFFIC & TRANSPORTATION

STORM WATER QUALITY

UTILITIES

FILE NO.

DRAWING SCALE

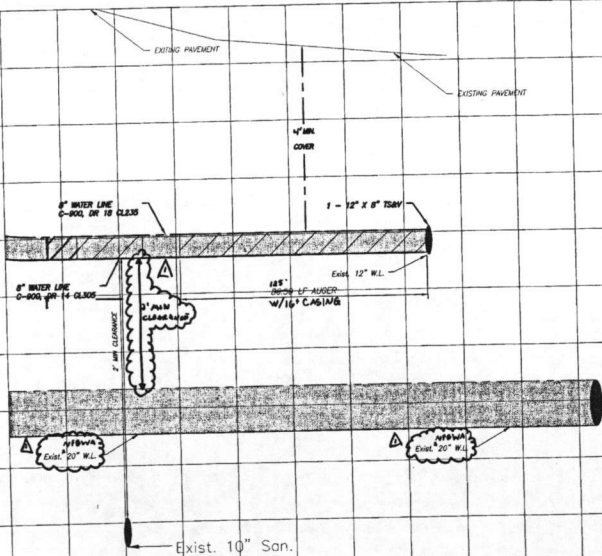
HORIZ: 1" = 20'

VERT: 1" = 2'

SHEET NO. 10 OF 16

59875

WATER LINE A STA 10+00 TO END

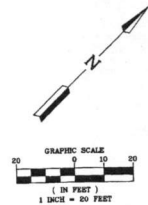
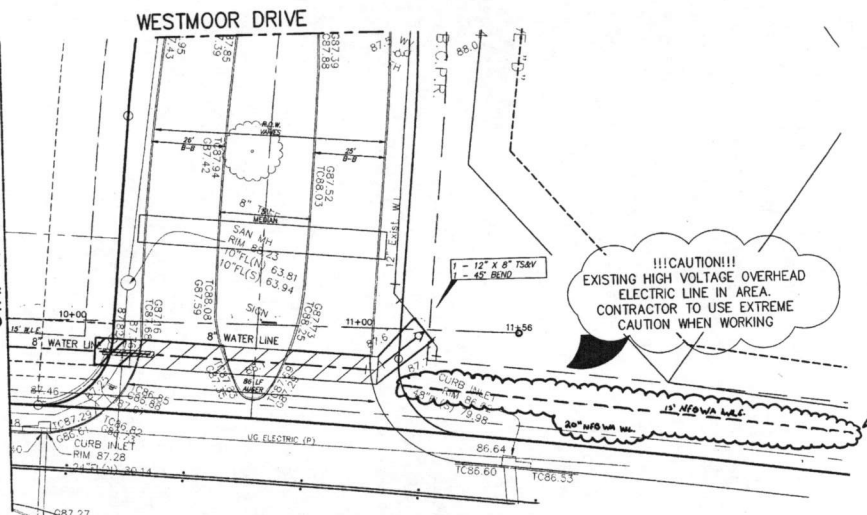


Exist. 10" San.

174-00

1/6
S:\Projects\2017\2017-1702 ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS\2017-1702 ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS.DWG
DATE: 09/14/17
DRAWN BY: JLA
CHECKED BY: JLA
DESIGNED BY: JLA
APPROVED BY: JLA
SCALE: 1" = 20'

MATCH LINE / SEE SHEET 09
STA: 10+00.00



BENCHMARK PUBLISHED ELEVATION - 125.06'
NATIONAL GEODETIC SURVEY MARK, DESIGNATION "E 1280", PID "7462156", DISK STAMPED "E 1280 1978" LOCATED ABOUT 4.5 MILES EAST ALONG FARM ROAD 1093 FROM THE JUNCTION OF FARM ROADS 309 AND 1463 SET 0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 60 FEET NORTH OF THE CENTERLINE OF THE ROAD, 25.5 FEET EAST OF THE CENTERLINE OF A FIELD ROAD AND GATE LEADING NORTH, 2.5 FEET WEST-NORTHWEST OF A POWER POLE NUMBER 1463, AND 1 FOOT SOUTH OF A FENCE. THE MARK IS 0.3 METERS SOUTH FROM A WITNESS POST. (NAVD 1988).

TBM "A" ELEVATION - 93.75'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE SOUTH OF WEST BELLFORT.
TBM "B" ELEVATION - 93.20'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE NORTH OF STATE HIGHWAY 99.

FORT BEND COUNTY ENGINEERING DEPARTMENT
ENGINEER: RICHARD W. STOLLER, P.E.
DATE: 09/14/17
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.
APPROVED: [Signature]
DEVELOPER/COORDINATOR
DATE: 12/14/17

RECORD DRAWING
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BY: [Signature] DATE: [Blank]
TITLE: [Blank]

RECORD DRAWING
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BY: [Signature] DATE: [Blank]
TITLE: [Blank]

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA
CPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1654

CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS

ALIANA-HUNTINGTON WATER LINE AND MEDIAN IMPROVEMENTS

WATER LINE A STA 10+00 TO END

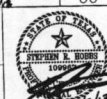
LJA Engineering, Inc.
1904 W. Grand Parkway North
Suite 100
Katy, Texas 77449
Phone 713.953.5200
Fax 713.953.5026
FIDEL-1386

LJA PROJECT NO.: 2423-1702
DESIGNED BY: DPM
DRAWN BY: DPM
DATE: SEPTEMBER 2017

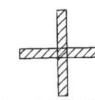
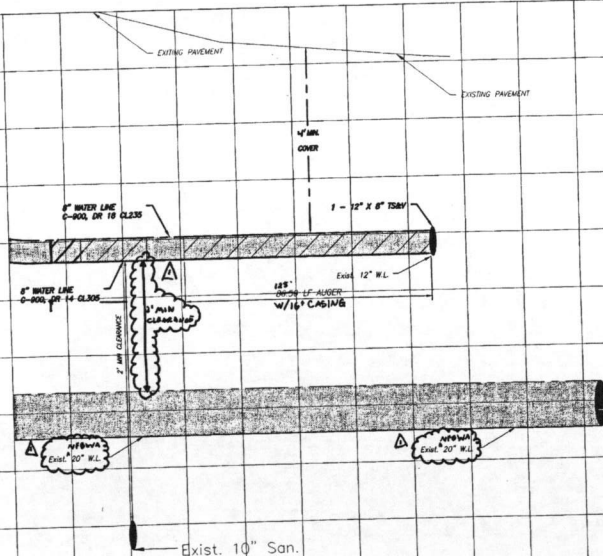
WATER
STREET & BRIDGE
TRAFFIC & TRANSPORTATION
STORM
STORM WATER QUALITY
FACILITIES

FILE NO.
DRAWING SCALE
HORIZ: 1" = 20'
VERT: 1" = 2'

SHEET NO. 10 OF 16



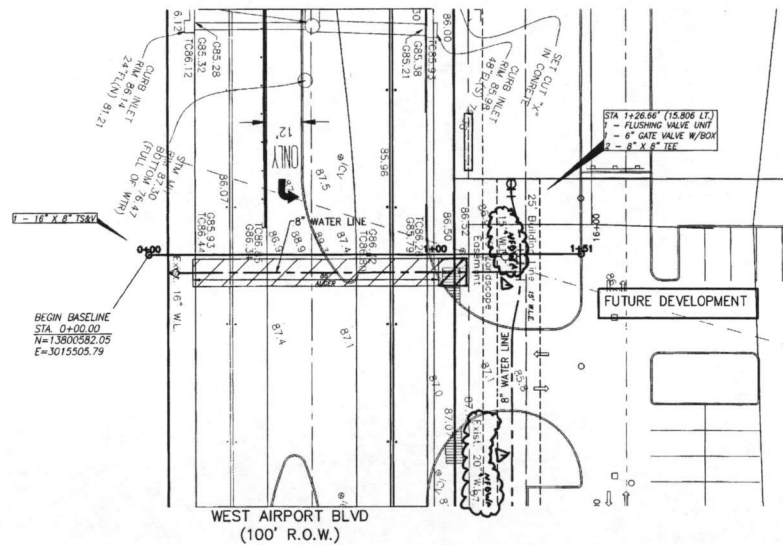
WATER LINE A STA 10+00 TO END



CENTER 1-1/8" PVC SANITARY JOINT OVER/UNDER 1-1/8" PVC WL JOINT. ADHERE TO PROTECTION REQUIREMENTS FOR WL & SANITARY CROSSINGS PER THE CITY OF HOUSTON INFRASTRUCTURE DESIGN MANUAL (TABLE 7.3)
8" WL C-900, DR. CL305

ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS 2423-1702

WEST AIRPORT BLVD
(100' R.O.W.)



WATER LINE B STA 0+00.00
TO END



CENTER 1-1/2" PVC SANITARY JOINT
OVER/UNDER 1-1/2" PVC WL JOINT, ADHERE
TO PROTECTION REQUIREMENTS FOR WL &
SANITARY CROSSINGS PER THE CITY OF
HOUSTON INFRASTRUCTURE DESIGN
MANUAL (TABLE 7.3)

BENCHMARK PUBLISHED ELEVATION - 125.05'
NATIONAL GEODETIC SURVEY MARK, DESIGNATION "E-1280", PID "AM2158", DISK STAMPED "E 1280 1978" LOCATED ABOUT 4.5 MILES EAST ALONG FARM ROAD 1083 FROM THE SOUTHERN PACIFIC RAILROAD STATION IN FULSHEAR, ALSO, 1.7 MILES EAST ALONG FARM ROAD 1083 FROM THE JUNCTION OF FARM ROADS 359 AND 1463, SET 0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 60 FEET NORTH OF THE CENTERLINE OF THE ROAD, 20.5 FEET EAST OF THE CENTERLINE OF A FIELD ROAD AND CAGE LADING NORTH 2.5 FEET WEST-NORTHWEST OF A POWER POLE, NUMBER 1405, AND 1 FOOT SOUTH OF A FENCE. THE MARK IS 0.3 METERS SOUTH FROM A WITNESS POST. (NAVD 1988).

TBM "A" ELEVATION - 93.75'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE SOUTH OF WEST BELLFORT.
TBM "B" ELEVATION - 93.20'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE NORTH OF STATE HIGHWAY 99.

FORT BEND COUNTY ENGINEERING DEPARTMENT
ENGINEER: RICHARD W. STOLLES, P.E.
DATE: 12/14/17
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.
APPROVED: [Signature] DEVELOPMENT COORDINATOR
DATE: 12/14/17

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:

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:

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA
CPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1654
CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS
ALIANA-HUNTINGTON WATER LINE
AND MEDIAN IMPROVEMENTS

WATER LINE B STA 0+00.00 TO
END

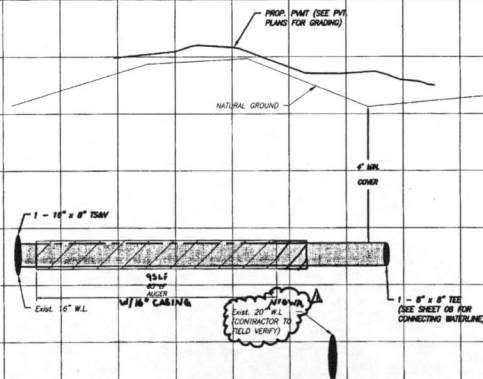
LJA Engineering, Inc.
1004 W. Grand Parkway North
Suite 100
Katy, Texas 77449
Phone 713.953.5350
Fax 713.953.5028
FIRM#-1386

LJA PROJECT NO.: 2423-1702
DESIGNED BY: DPM
DRAWN BY: DPM
DATE: SEPTEMBER 2017

WATER	STREET & BRIDGE
WATER	STREET & BRIDGE
TRAFFIC & TRANSPORTATION	TRAFFIC & TRANSPORTATION
STORM WATER QUALITY	STORM WATER QUALITY

FILE NO.:
DRAWING SCALE:
HORIZ: 1" = 20'
VERT: 1" = 2'

SHEET NO. 11 OF 16
598756



-1+00

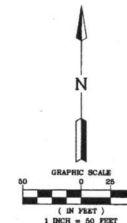
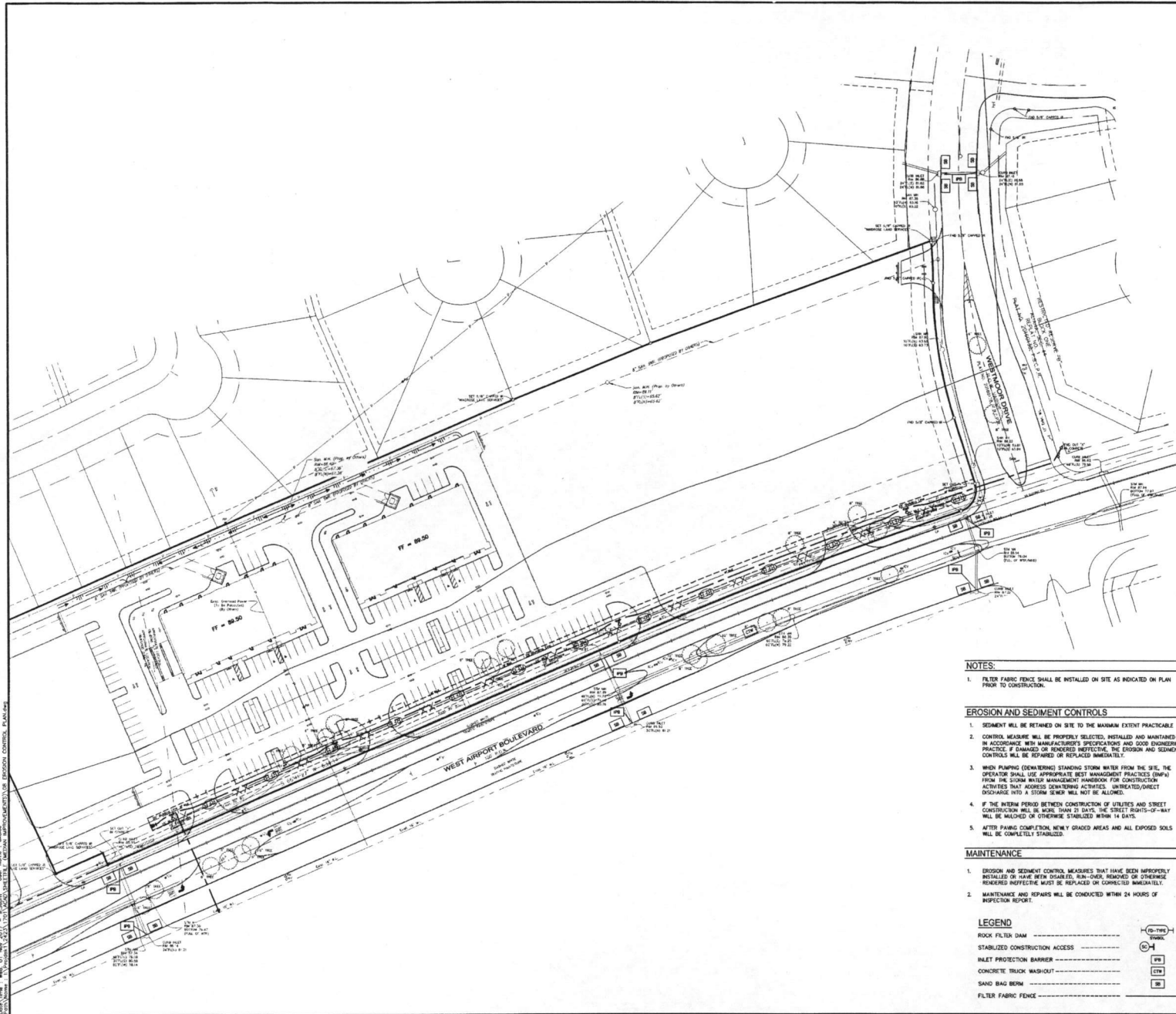
0+00

1+00

2+00

3+00

ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS 2423-1702



NOTES:

1. FILTER FABRIC FENCE SHALL BE INSTALLED ON SITE AS INDICATED ON PLAN PRIOR TO CONSTRUCTION.

EROSION AND SEDIMENT CONTROLS

1. SEDIMENT WILL BE RETAINED ON SITE TO THE MAXIMUM EXTENT PRACTICABLE.
2. CONTROL MEASURES WILL BE PROPERLY SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICE. IF DAMAGED OR RENDERED INEFFECTIVE, THE EROSION AND SEDIMENT CONTROLS WILL BE REPAIRED OR REPLACED IMMEDIATELY.
3. WHEN PUMPING (DOWNSINKING) STANDING STORM WATER FROM THE SITE, THE OPERATOR SHALL USE APPROPRIATE BEST MANAGEMENT PRACTICES (BMPs) FROM THE STORM WATER MANAGEMENT HANDBOOK FOR CONSTRUCTION ACTIVITIES THAT ADDRESS DOWNSINKING ACTIVITIES. UNTREATED/DIRECT DISCHARGE INTO A STORM SEWER WILL NOT BE ALLOWED.
4. IF THE INTERIM PERIOD BETWEEN CONSTRUCTION OF UTILITIES AND STREET CONSTRUCTION WILL BE MORE THAN 30 DAYS, THE STREET RIGHTS-OF-WAY WILL BE MAINTAINED OR OTHERWISE STABILIZED WITHIN 14 DAYS.
5. AFTER PAVING COMPLETION, NEWLY GRADED AREAS AND ALL EXPOSED SOILS WILL BE COMPLETELY STABILIZED.

MAINTENANCE

1. EROSION AND SEDIMENT CONTROL MEASURES THAT HAVE BEEN IMPROPERLY INSTALLED OR HAVE BEEN DAMAGED, RUN-OUT, REMOVED OR OTHERWISE RENDERED INEFFECTIVE MUST BE REPLACED OR CORRECTED IMMEDIATELY.
2. MAINTENANCE AND REPAIRS WILL BE CONDUCTED WITHIN 24 HOURS OF INSPECTION REPORT.

LEGEND

- ROCK FILTER DAM
- STABILIZED CONSTRUCTION ACCESS
- INLET PROTECTION BARRIER
- CONCRETE TRUCK WASH-OUT
- SAND BAG BERM
- FILTER FABRIC FENCE



BENCHMARK PUBLISHED ELEVATION - 125.06'
NATIONAL GEODETIC SURVEY MARKER, DESIGNATION "E 1280", PD "1402155", DOG STAMPED "E 1280 1978" LOCATED ABOUT 4.6 MILES EAST ALONG FARM ROAD 1093 FROM THE SOUTHERN PACIFIC RAILROAD STATION IN FALGIER. ALSO, 1.7 MILES EAST ALONG FARM ROAD 1093 FROM THE JUNCTION OF FARM ROADS 359 AND 1483, SET 0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 80 FEET NORTH OF THE CENTERLINE OF THE ROAD, 25.5 FEET EAST OF THE CENTERLINE OF A FIELD ROAD AND GATE LEADING NORTH, 2.5 FEET WEST-NORTHWEST OF A POWER POLE, NUMBER 1405, AND 1 FOOT SOUTH OF A FENCE. THE MARK IS 0.3 METERS SOUTH FROM A WITNESS POST. (NAVD 1988).

TBM "A" ELEVATION - 93.75'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE SOUTH OF WEST BELLFORT.

TBM "B" ELEVATION - 93.20'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE NORTH OF STATE HIGHWAY 99.

FORT BEND COUNTY ENGINEERING DEPARTMENT
ENGINEER: RICHARD W. STOLLES, P.E.
DATE: 12/14/17
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.
APPROVED: [Signature] DEVELOPMENT COORDINATOR
DATE: 12/14/17

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: _____

RECORD DRAWING

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BY: _____ DATE: _____
TITLE: _____

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA
CPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1654

CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS

ALIANA-HUNTINGTON WATER LINE
AND MEDIAN IMPROVEMENTS

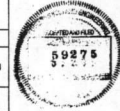
EROSION CONTROL PLAN

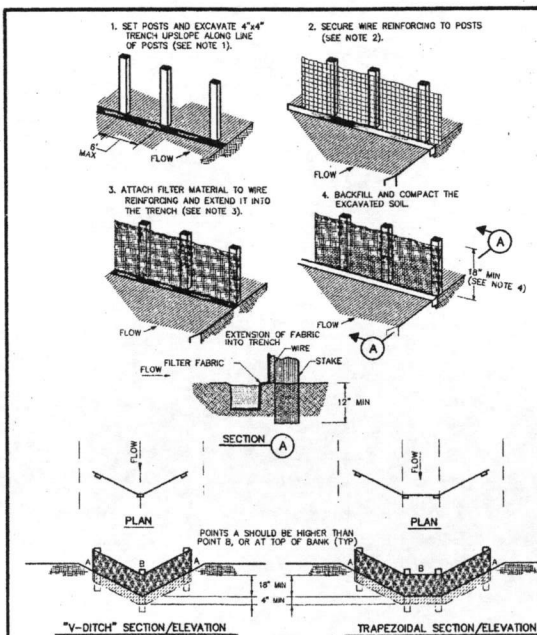
LJA Engineering, Inc.
1904 W. Grand Parkway North
Suite 100
Katy, Texas 77449
Phone 713.953.5200
Fax 713.953.5005
FRN-1396

LJA PROJECT NO.: 2423-1702
DESIGNED BY: DPM
DRAWN BY: DPM
DATE: SEPTEMBER 2017

WATER: 10/23/17
STREET & BRIDGE
TRAFFIC & TRANSPORTATION
STORM: 10/23/17
STORM WATER QUALITY
FACILITIES

FILE NO.
DRAWING SCALE
SCALE: AS SHOWN
SHEET NO. 12 OF 16



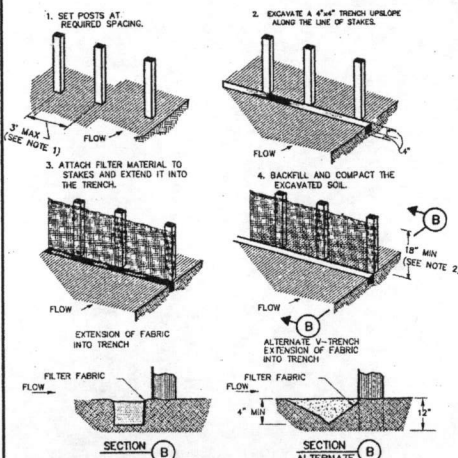
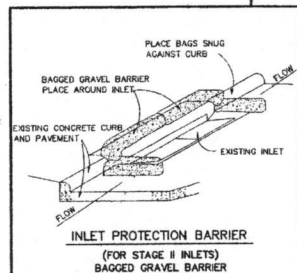


CONSTRUCTION NOTES:

- SET 2 INCH BY 2 INCH WOODEN STAKES SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
- WOVEN WIRE REINFORCING TO BE FASTENED SECURELY TO BARRIER POSTS WITH STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE REINFORCING, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
- MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
- SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.



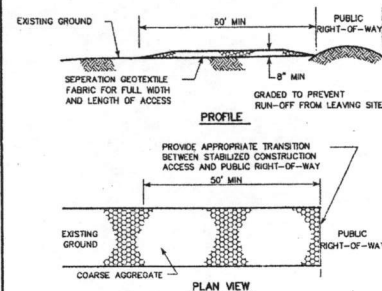
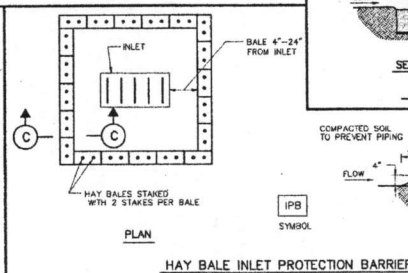
REINFORCED FILTER FABRIC BARRIER



CONSTRUCTION NOTES:

- 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PREASSEMBLED BARRIER WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 6 FEET MAX.
- ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC BARRIER SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
- SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

FILTER FABRIC BARRIER

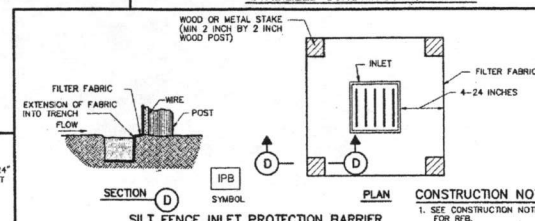


CONSTRUCTION NOTES:

- LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
- THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
- WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION ACCESS, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
- STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE WASHING AREA.
- COH STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION ACCESS.
- STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.



STABILIZED CONSTRUCTION ACCESS



SILT FENCE INLET PROTECTION BARRIER

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN DETAILS
(NOT TO SCALE)

APPROVED: *[Signature]* CITY ENGINEER
DESIGNED BY: *[Signature]* DPM
DATE: JULY-01-2010
DWG NO: 01571-01

BENCHMARK PUBLISHED ELEVATION - 125.06'
NATIONAL GEODETIC SURVEY MARKER, DESIGNATION "E 12807, PD 1281547", COIN STAMPED "E 1280 1978" LOCATED ABOUT 4.8 MILES EAST ALONG FARM ROAD 1093 FROM THE SOUTHERN PACIFIC RAILROAD STATION IN FULSHEIM. ALSO, 1.7 MILES EAST ALONG FARM ROAD 1093 FROM THE JUNCTION OF FARM ROADS 359 AND 1463, SET 0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 40 FEET NORTH OF THE CENTERLINE OF THE ROAD, 20.5 FEET EAST OF THE CENTERLINE OF A FIELD ROAD AND GATE LEADING NORTH, 23 FEET WEST-NORTHWEST OF A POWER POLE, NUMBER 1405, AND 1 FOOT SOUTH OF A FENCE. THE MARK IS 0.3 MILES SOUTH FROM A WITNESS POST. (NAVD 1988).

TBM "A" ELEVATION - 93.75'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE SOUTH OF WEST BELLFORT.

TBM "B" ELEVATION - 93.20'
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE NORTH OF STATE HIGHWAY 99.

FORT BEND COUNTY ENGINEERING DEPARTMENT

ENGINEER: RICHARD W. STOLLES, P.E.
DATE: 12/14/17
APPROVED: *[Signature]* DEVELOPMENT COORDINATOR
DATE: 12/14/17

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: _____

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: _____

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA
CPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1854
CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS
ALIANA-HUNTINGTON WATER LINE AND MEDIAN IMPROVEMENTS

EROSION CONTROL DETAILS

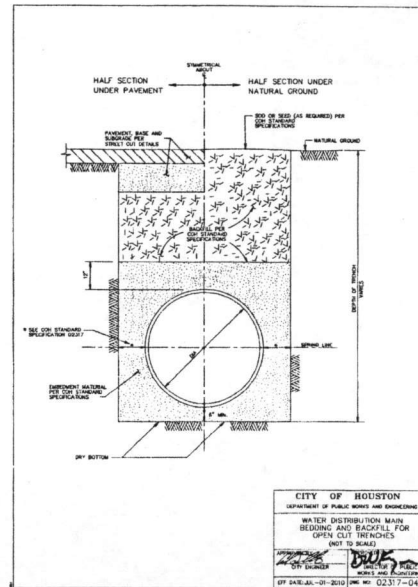
LJA Engineering, Inc.
1904 W. Grand Parkway North
Suite 100
Katy, Texas 77449
Phone 713.953.5300
Fax 713.953.5309
FRN-F-1386

LJA PROJECT NO.: 2423-1702
DESIGNED BY: DPM
DRAWN BY: DPM
DATE: SEPTEMBER 2017

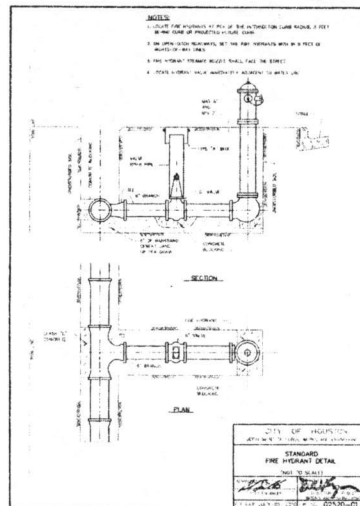
WATER: *[Signature]* 11/23/17
STREET & BRIDGE
TRAFFIC & TRANSPORTATION
STORM: *[Signature]* 11/23/17
STORM WATER QUALITY
FACILITIES

FILE NO.
DRAWING SCALE
SCALE: NONE
SHEET NO. 13 OF 16

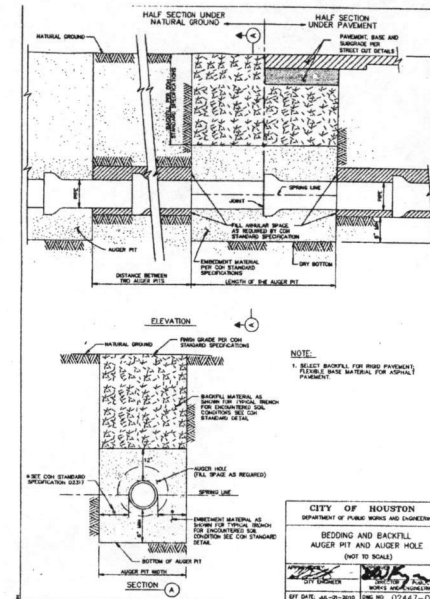




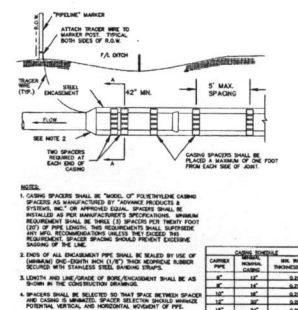
WATER DISTRIBUTION MAIN BEDDING AND BACKFILL FOR OPEN CUT TRENCHES



STANDARD FIRE HYDRANT DETAIL



BEDDING AND BACKFILL AUGER PIT AND AUGER HOLE



WATER MAIN ENCASMENT

BENCHMARK PUBLISHED ELEVATION - 125.06
NATIONAL GEODETIC SURVEY MARK, DESIGNATION
12807, PD "AK2158", DISK STAMPED "E 1280 1978"
LOCATED ABOUT 4.6 MILES EAST ALONG FARM ROAD 1093
FROM THE JUNCTION OF FARM ROAD 359 AND 1443 SET
0.1 MILE NORTHWEST OF A POWER LINE SUB-STATION, 60
FEET NORTH OF THE CENTERLINE OF THE ROAD, 20.5 FEET
EAST OF THE CENTERLINE OF A FIELD ROAD AND GATE
LEADING NORTH, 2.5 FEET WEST-NORTHWEST OF A POWER
POLE, NUMBER 1405, AND 1 FOOT SOUTH OF A FENCE.
THE MARK IS 0.5 METERS SOUTH FROM A
WITNESS POST. (NAVD 1988).

TBM "A" ELEVATION - 93.75
A CUT BOX IN FIRST CONCRETE "C" INLET LOCATED ON
THE WEST R.O.W. OF WATERVIEW MEADOW DRIVE
SOUTH OF WEST BELLFORT.

TBM "B" ELEVATION - 93.20
A CUT BOX IN FIRST CONCRETE "C" INLET
LOCATED ON THE WEST R.O.W. OF WATERVIEW
MEADOW DRIVE NORTH OF STATE HIGHWAY 59.

FORT BEND COUNTY ENGINEERING DEPARTMENT

ENGINEER: EDWARD W. STOLLES, P.E.
DATE: 12/14/17
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS
NOT COMMENCED IN (1) YEAR FROM DATE OF
APPROVAL.
APPROVED: [Signature] DEVELOPMENT COORDINATOR
DATE: 12/14/17

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:

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:

DATE	REVISION	BY

PLAT NAME: SHOPS AT ALIANA
GPC 101 FILE NO. 2017-1121C2
C.O.H. LOG NO. 17-1854

CITY OF HOUSTON E.T.J.
FORT BEND COUNTY, TEXAS

ALIANA-HUNTINGTON WATER LINE
AND MEDIAN IMPROVEMENTS

CONSTRUCTION DETAILS 2

LJA Engineering, Inc.
1904 W. Grand Parkway North Phone 713.953.5020
Suite 100 Fax 713.953.5026
Houston, Texas 77046 PROJ-1386

LJA PROJECT NO.: 2423-1702
DESIGNED BY: DPM DRAWN BY: DPM DATE: SEPTEMBER 2017

WATER STREET & BRIDGE
TRAFFIC & TRANSPORTATION
STORM WATER QUALITY
FACILITIES

FILE NO. DRAWING SCALE: NONE

SCALE: NONE

SHEET NO. 16 OF 16



ALIANA-HUNTINGTON WATERLINE AND MEDIAN IMPROVEMENTS 2423-1702

