

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 6th day of September, 2016, Commissioners Court came on to be heard and reviewed the accompanying notice of Burnside Services, Inc.

Job Location West Airport Boulevard, Richmond, TX 77407

Date 8/29/2016 Bond No. TX804810, Permit No. 2016-8899 to make use of certain Fort Bend County property subject to, "A Revised Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas the 3rd day of August, 1987, recorded in Volume _____ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner _____, seconded by Commissioner _____,

duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. when construction is completed and ready for final inspection

Mail notices to: Permit Administrator
Fort Bend County Engineering
301 Jackson Street
Richmond, Texas 77469
281-633-7500

3. This permit expires one (1) year from date of permit if construction has not commenced.

By:

Charles O. Dy
for County Engineer

Presented to Commissioners Court and approved.

Recorded in Volume

Minutes of Commissioners Court

By:

Drainage District Engineer/Manager

Clerk of Commissioners Court

By:

Deputy

X		(1) Complete Application Form:	
	X		a. Name of road, street, and/or drainage ditch affected.
	X		b. Vicinity map showing course of directions
	X		c. Plans and specifications
X		(2) Bond:	
		District Attorney, approval when applicable.	
		Perpetual bond currently posted.	
		No: _____	
		Amount: _____	
	X	Performance bond submitted.	
		No: TX804810	
		Amount: \$5,000.00	
		Cashier's Check	
		No: _____	
		Amount: _____	
		(3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.	
		Precinct Engineer Acknowledgment	Date
		Precinct Commissioner Acknowledgment	Date
		(4)	
X		Drainage District Approval when applicable	
We have reviewed this project and agree it meets minimum requirements.			
Assistant County Engineer		Date	

**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROAD**

AUTHORIZED

BOND NO. TX 804810

THE STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND

§

THAT WE, Burnside Services, Inc. whose address is 1110 Navasota Ridge, Navasota, TX 77868 Texas, hereinafter called the Principal, And Merchants Bonding Company (Mutual), a Corporation existing under and by virtue of the laws of the state of Iowa and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at P.O. Box 14498, Des Moines, IA 50306, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Troy Key and Whose address is 5057 Keller Springs Rd., Suite 400, Addison, TX 75001, 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 Five Thousand and 00/100s Dollars (\$ 5,000.00-----) 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 29th day of August, 2016.

Burnside Services, Inc.

PRINCIPAL

Boyle Burnside

BY

Merchants Bonding Company (Mutual)

SURETY

Sandra Lee Roney

BY Sandra Lee Roney, Attorney in Fact

MERCHANTS
BONDING COMPANY™
POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa (herein collectively called the "Companies") do hereby make, constitute and appoint, individually,

Andrea Rose Crawford; Carolyn J Goodenough; Debra Lee Moon; John William Newby;
Sammy Joe Mullis Jr; Sandra Lee Roney; Wilbert Raymond Watson

their true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver on behalf of the Companies, as Surety, bonds, undertakings and other written obligations in the nature thereof, subject to the limitation that any such instrument shall not exceed the amount of:

TEN MILLION (\$10,000,000.00) DOLLARS

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 24, 2011.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 29th day of January, 2016.



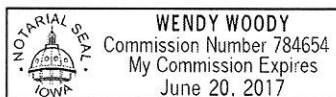
MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.

By *Larry Taylor*

President

STATE OF IOWA
COUNTY OF Dallas ss.

On this 29th day of January, 2016, before me appeared Larry Taylor, to me personally known, who being by me sworn did say that he is President of the MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.



Wendy Woody
Notary Public, Polk County, Iowa

(Expiration of notary's commission
does not invalidate this instrument)

I, William Warner, Jr., Secretary of the MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 29th day of August, 2016.



William Warner Jr.
Secretary



MERCHANTS BONDING COMPANY (MUTUAL) • MERCHANTS NATIONAL BONDING, INC.
P.O. Box 14498, Des Moines IA 50306-3498 - (800) 678-8171 - (515) 243-3854 FAX

IMPORTANT NOTICE

To obtain information or make a complaint:

You may contact your insurance agent at the telephone number provided by your insurance agent.

You may call Merchants Bonding Company (Mutual) toll-free telephone number for information or to make a complaint at:

1-800-678-8171

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 at:

P. O. Box 149104
Austin, TX 78714-9104
Fax: (512) 475-1771
Web: <http://www.tdi.state.tx.us>
E-mail: ConsumerProtection@tdi.state.tx.us

PREMIUM AND CLAIM DISPUTES: Should you have a dispute concerning your premium or about a claim you should contact the agent first. 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.

CONSTRUCTION PLANS FOR BULLHEAD BAYOU PHASE II DRAINAGE IMPROVEMENTS

JOB NO. 1968-0627

DATE : MARCH 2016

1. THESE PLANS WERE PREPARED TO MEET OR EXCEED CURRENT CITY AND COUNTY OF HOUSTON SUBMISSION RULES AND REGULATIONS (AS APPLICABLE) AND CURRENTLY MANAGED.
2. COMPLIANCE WILL BE MONITORED BY A PROFESSIONAL ENGINEER TO INSURE CONFORMANCE WITH THE CONSTRUCTION PLANS AND SPECIFICATIONS.
3. CONTRACTOR SHALL NOTIFY THE DISTRICT (UNITIES AT LEAST 48 HOURS BEFORE THE START OF CONSTRUCTION) AND THE CITY OF HOUSTON, PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL OF THE PLANS (DATE) (713) 371-0050
(713) 371-0050
CONSTRUCTIONOFFICE@CITYOFOUSTON.TX
4. ONLY AUTHORIZED PERSONNEL FROM EITHER THE GROUND COMPANY OR A REPRESENTATIVE OF LA ENGINEERING, INC. HAVE THE AUTHORITY TO ADD WATER TO A CONCRETE TRUCK.
5. CONTRACTOR SHALL CONTACT ANY PERMITTING UTILITY COMPANIES AT LEAST 72 HOURS BEFORE THE START OF 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.
8. PRIOR TO CONSTRUCTION OF THIS FACILITY WITHIN OR BY THE DISTRICT OR THE UTILITY, CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON, THE DISTRICT OR THE UTILITY OF ANY EXISTING PUBLIC WORKS AND UNDERGROUND CITY OF HOUSTON, STATING THE DATE SUCH EXISTING PUBLIC WORKS AND UNDERGROUND CITY OF HOUSTON WILL BE COMPLETED. (713) 371-0050
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. (713) 371-0050

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

RECORD DRAWING

APPROVED FOR CONSTRUCTION

BY _____ DATE _____

ENGINEER:

LJA Engineering, Inc.

2929 Briarpark Drive
Suite 600
Houston, Texas 77042
Phone 713 953 5200
Fax 713 953 5026
FRN-F-1386

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY

AFTER



IA Engineering

WA engineering.

SURVEYED BY:

ON R.

City of

CLY

DEPARTMENT OF FISH AND WILDLIFE 7/7

D. Moore

ms. A. 9. 2. 1. 5-3-1

3/

!Negom Jaedon

1

CITY ENGINEER

2

DIRECTOR OF PUBLIC WORKS AND ENGINEERING

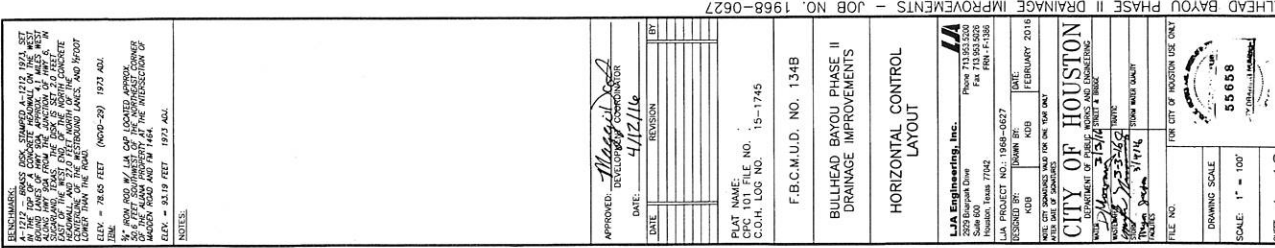
11/29/2011

gettling

SHEET 133

No: _____ OF _____

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CURVE NAME	THROTTLE (INCH)	INC	DELTA	CHORD BEARING
C1	16.40	72.72	1.00	90.00-90.00
C2	16.40	72.72	1.00	90.00-90.00
C3	16.40	72.72	1.00	90.00-90.00
C4	16.40	72.72	1.00	90.00-90.00
C5	16.40	72.72	1.00	90.00-90.00
C6	16.40	72.72	1.00	90.00-90.00
C7	16.40	72.72	1.00	90.00-90.00
C8	16.40	72.72	1.00	90.00-90.00
C9	16.40	72.72	1.00	90.00-90.00
C10	16.40	72.72	1.00	90.00-90.00
C11	16.40	72.72	1.00	90.00-90.00
C12	16.40	72.72	1.00	90.00-90.00
C13	16.40	72.72	1.00	90.00-90.00
C14	16.40	72.72	1.00	90.00-90.00
C15	16.40	72.72	1.00	90.00-90.00
C16	16.40	72.72	1.00	90.00-90.00
C17	16.40	72.72	1.00	90.00-90.00
C18	16.40	72.72	1.00	90.00-90.00
C19	16.40	72.72	1.00	90.00-90.00
C20	16.40	72.72	1.00	90.00-90.00
C21	16.40	72.72	1.00	90.00-90.00
C22	16.40	72.72	1.00	90.00-90.00
C23	16.40	72.72	1.00	90.00-90.00
C24	16.40	72.72	1.00	90.00-90.00
C25	16.40	72.72	1.00	90.00-90.00
C26	16.40	72.72	1.00	90.00-90.00
C27	16.40	72.72	1.00	90.00-90.00
C28	16.40	72.72	1.00	90.00-90.00
C29	16.40	72.72	1.00	90.00-90.00
C30	16.40	72.72	1.00	90.00-90.00
C31	16.40	72.72	1.00	90.00-90.00
C32	16.40	72.72	1.00	90.00-90.00
C33	16.40	72.72	1.00	90.00-90.00
C34	16.40	72.72	1.00	90.00-90.00
C35	16.40	72.72	1.00	90.00-90.00
C36	16.40	72.72	1.00	90.00-90.00
C37	16.40	72.72	1.00	90.00-90.00
C38	16.40	72.72	1.00	90.00-90.00
C39	16.40	72.72	1.00	90.00-90.00
C40	16.40	72.72	1.00	90.00-90.00
C41	16.40	72.72	1.00	90.00-90.00
C42	16.40	72.72	1.00	90.00-90.00
C43	16.40	72.72	1.00	90.00-90.00
C44	16.40	72.72	1.00	90.00-90.00
C45	16.40	72.72	1.00	90.00-90.00
C46	16.40	72.72	1.00	90.00-90.00
C47	16.40	72.72	1.00	90.00-90.00
C48	16.40	72.72	1.00	90.00-90.00
C49	16.40	72.72	1.00	90.00-90.00
C50	16.40	72.72	1.00	90.00-90.00

[illegible]

LINE TABLE		
LINE	BEARING	DISTANCE
1.1	N 07°-04'-54" W	36.80
1.2	N 38°-27'-27" W	53.88
1.3	N 88°-24'-43" E	86.10
1.4	S 77°-53'-32" W	45.13
1.5	N 21°-15'-02" W	18.18
1.6	S 71°-56'-43" E	86.89
1.7	S 00°-14'-53" W	19.79

REFERENCE: A-1212 - BRASS DISK STAMPED 4-1212 1921. SET IN THE TOP OF A CONCRETE HEADWALL ON THE WEST END OF LANE OF HWY 20A APPROX. 4.1 MILES WEST OF SUGARLAND, TEXAS. THE DISK IS SET 20 FT. EAST OF THE WEST END OF THE NORTH CONCRETE HEADWALL. THE DISK IS LOCATED AT THE CENTERS OF THE WESTERDRAIN LANE, AND 40 FT. LOWER THAN THE ROAD.	ELEV. = 78.65 FEET (NOV-29) 1973 ADL
TIME	1973
54° 50' 00" W BY 1/4 SEC. LOCATED APPROX. 56.5 FT. SOUTHWEST OF THE SOUTHWEST CORNER OF THE ALAMA PROPERTY AT THE INTERSECTION OF WOODEN ROAD AND FM 1464.	ELEV. = 92.19 FEET 1973 JAT
DATE	1973

2013.12.12

[illegible]

F.B.C.M.U.D. NO. 134B
BULLHEAD BAYOU PHASE II DRAINAGE IMPROVEMENTS
HORIZONTAL CONTROL LAYOUT

LJA Engineering, Inc.
2829 Bearpark Drive
Suite 600
Houston, Texas 77042

LJA
Phone 713.953.5200
Fax 713.953.5076
FRN - F-1356

LIA PROJECT NO.: 1968-0627 DESIGNED BY: KDB DRAWN BY: KDB DATE: FEBRUARY 2016	CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING 212/14 1553-49 1/14/16 Tuyen Tran 1/14/16
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FILE NO.	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	        
SCALE: 1" = 100'	        
SHEET NO. 4 of 18	

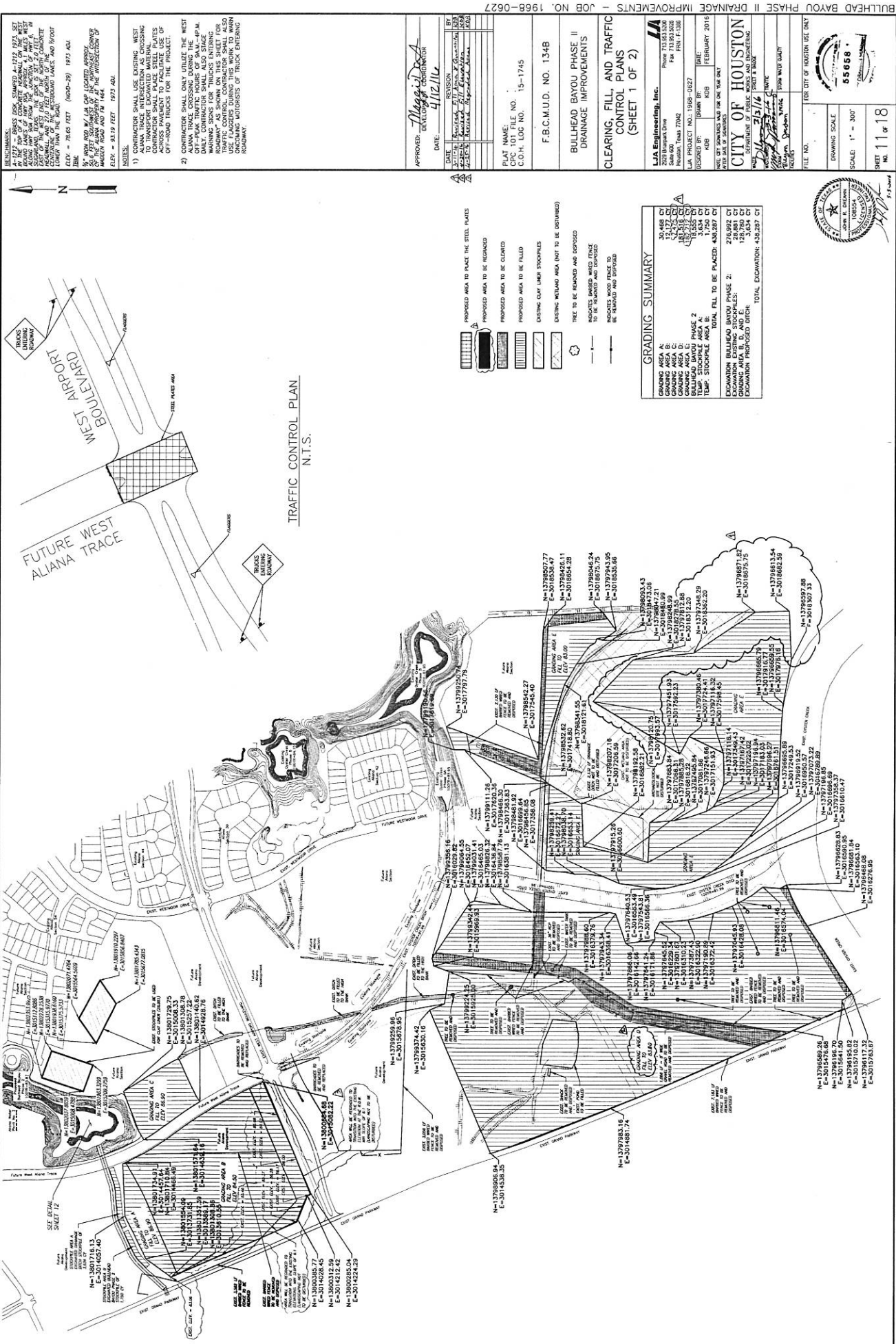
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SHEET NO. 8 of 18





1) CONTRACTOR SHALL USE EXISTING WEST SIDE OF BULLHEAD BAYOU FOR TRUCKS TO TRANSPORT EXCAVATED MATERIAL. CONTRACTOR SHALL PLACE TRUCKS ON OFF-ROAD TRUCKS FOR THE PROJECT.

2) CONTRACTOR SHALL ONLY UTILIZE THE WEST SIDE OF BULLHEAD BAYOU FOR TRUCKS TO TRANSPORT EXCAVATED MATERIAL. CONTRACTOR SHALL PLACE TRUCKS ON OFF-ROAD TRUCKS FOR THE PROJECT.

NOTES:

1) CONTRACTOR SHALL USE EXISTING WEST SIDE OF BULLHEAD BAYOU FOR TRUCKS TO TRANSPORT EXCAVATED MATERIAL. CONTRACTOR SHALL PLACE TRUCKS ON OFF-ROAD TRUCKS FOR THE PROJECT.

2) CONTRACTOR SHALL ONLY UTILIZE THE WEST SIDE OF BULLHEAD BAYOU FOR TRUCKS TO TRANSPORT EXCAVATED MATERIAL. CONTRACTOR SHALL PLACE TRUCKS ON OFF-ROAD TRUCKS FOR THE PROJECT.

TRAFFIC CONTROL PLAN
N.T.S.

APPROVED: *Magid*
DATE: 4/12/16

BY: *Magid*
DATE: 4/12/16

PROJECT NO. 1568-0627
JOB NO. 1568-0627

F.B.C.M.U.D. NO. 1348
BULLHEAD BAYOU PHASE II
DRAINAGE IMPROVEMENTS
CLEARING, FILL, AND TRAFFIC
CONTROL PLANS
(SHEET 1 OF 2)

LIA Engineering, Inc.
2203 Louisiana Drive
Houston, Texas 77058
Phone 713.633.5500
Fax 713.633.5501
E-MAIL: info@liaeng.com
WWW: www.liaeng.com

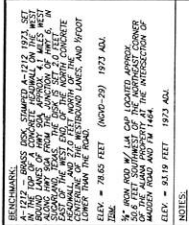


5568
SCALE: 1" = 300'
SHEET 11 of 18

GRADING SUMMARY

GRADING AREA A	30.468 CT
GRADING AREA B	1.472 CT
GRADING AREA C	1.472 CT
GRADING AREA D	1.472 CT
GRADING AREA E	1.472 CT
TEMP. STOCKPILE AREA B	1.750 CT
TOTAL FILL TO BE PLACED	430.227 CT
EXCAVATION BULLHEAD BAYOU PHASE 2	276.992 CT
EXCAVATION BULLHEAD BAYOU PHASE 1	128.780 CT
EXCAVATION PROPOSED DITCH	3.634 CT
TOTAL EXCAVATION	409.406 CT

PROPOSED AREA TO PLACE THE STEEL PLATES
PROPOSED AREA TO BE REMOVED
PROPOSED AREA TO BE CLEANED
PROPOSED AREA TO BE FILLED
EXISTING GRAY UNIFORM STOCKPILES
EXISTING MEADOW AREA (NOT TO BE DISTURBED)
TREE TO BE REMOVED AND DISPOSED
INDICATES BARBED WIRE FENCE
INDICATES WOOD FENCE TO BE REMOVED AND DISPOSED



INDICATES AREA TO BE CLEARED
INDICATES CONCRETE PAVEMENT
TO BE REMOVED AND DISPOSED
INDICATES BARBED WIRE FENCE
TO BE REMOVED AND DISPOSED
INDICATES WOOD FENCE TO
BE REMOVED AND DISPOSED

DATE	REVISION	BY
------	----------	----

BULLHEAD BAYOU PHASE II
DRAINAGE IMPROVEMENTS

CLEARING, FILL, AND TRAFFIC
CONTROL PLANS
(SHEET 2 OF 2)

LJA Engineering, Inc.
2529 Briarpark Drive
Suite 600
Phone 713.953.5200
Fax 713.953.5000

Houston, Texas 77042

PROJECT NO.: 1968-0627

DESIGNED BY: KOB	DRAWN BY: KOB	DATE: FEBRUARY 20
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FRN. F-15

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

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STAINLESS STEEL BRIDGE	
HAUTE	
STEAM WATER QUALITY	

FILE NO.	FOR CITY OF HOUSTON USE ONLY
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[illegible]

DRAWING SCALE

SCALE: 1" = 100'

55658

[Handwritten signature]

NO. 2 of 18

BENCHMARK: BENCHMARK ROCK MARKED A-192, 1974, SET IN THE TOP OF A CONCRETE FOUNDATION IN THE EAST SIDE OF THE ROAD, 100 FEET WEST OF THE INTERSECTION OF THE ROAD AND THE RAILROAD TRACKS. THE BENCHMARK IS LOCATED AT THE INTERSECTION OF THE ROAD AND THE RAILROAD TRACKS. THE BENCHMARK IS LOCATED AT THE INTERSECTION OF THE ROAD AND THE RAILROAD TRACKS.

NOTE: THE PLAN AND PROFILE SHOWN ON THIS SHEET ARE THE RESULT OF A SURVEY MADE IN 1974. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS.

DATE: 4/12/14

APPROVED: [Signature]

DEVELOPMENT CONDUCTOR:

PLAT NAME: CPC 101 FILE NO. 15-1745

C.O.H. LOG NO.:

F.B.C.M.U.D. NO. 1348

BULLHEAD BAYOU PHASE II DRAINAGE IMPROVEMENTS

OUTFALLS A, B & C

STA. 0+00.00 TO END

LJA Engineering, Inc.

PROJECT NO. 1988-0027

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

DATE: FEBRUARY 2016

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

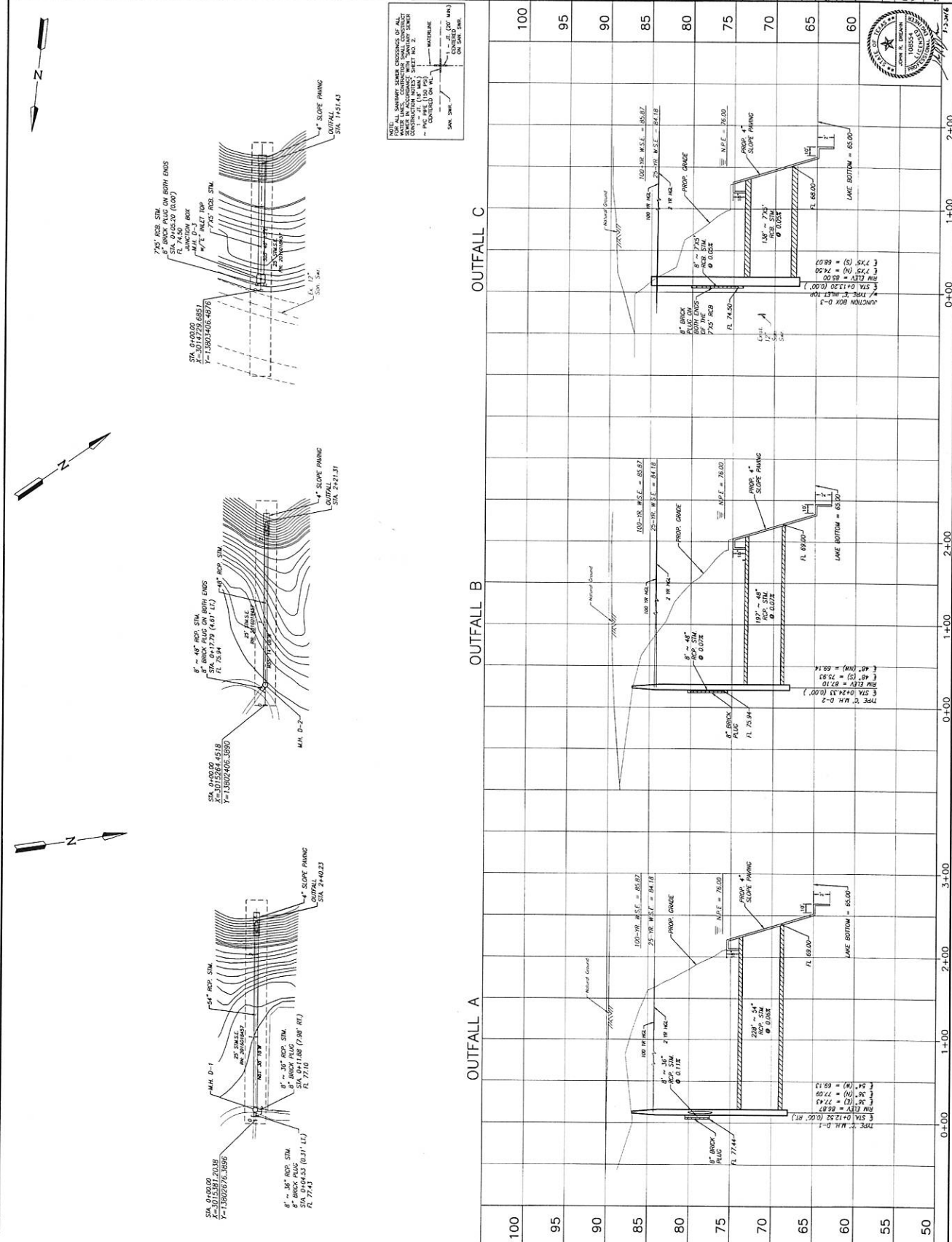
FILE NO.:

DRAWING SCALE:

HORIZ. 1" = 50'

VERT. 1" = 5'

SHEET 14 OF 18

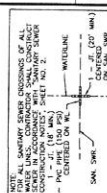


NOTES:

1. THE SURVEY WAS MADE IN 1974 BY THE CITY OF HOUSTON, TEXAS. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS.

2. THE PLAN AND PROFILE SHOWN ON THIS SHEET ARE THE RESULT OF A SURVEY MADE IN 1974. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS.

3. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS. THE SURVEY WAS MADE BY THE CITY OF HOUSTON, TEXAS.



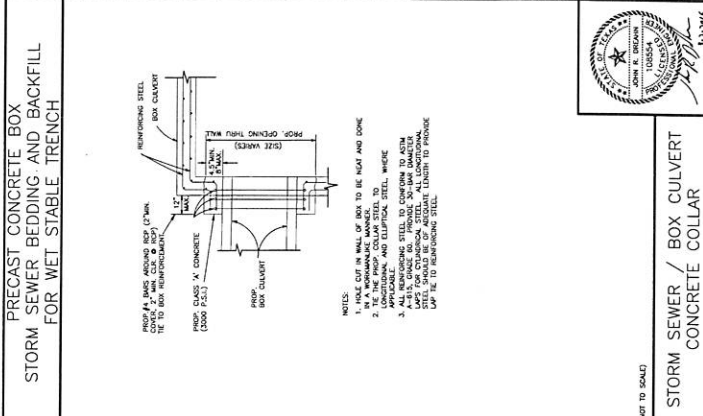
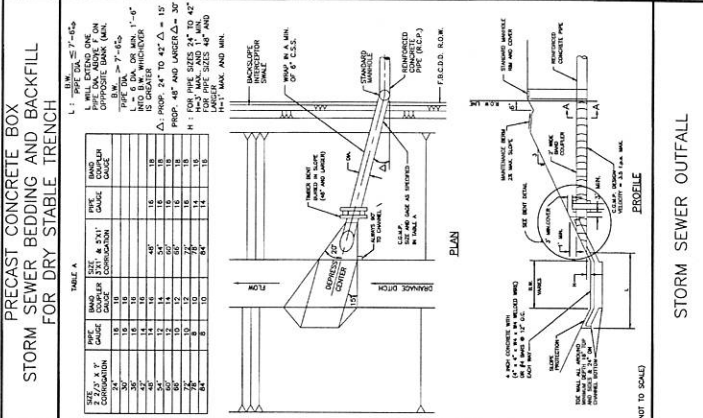
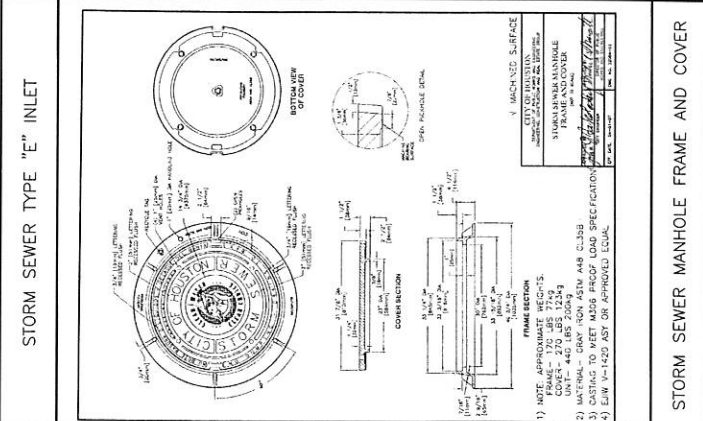
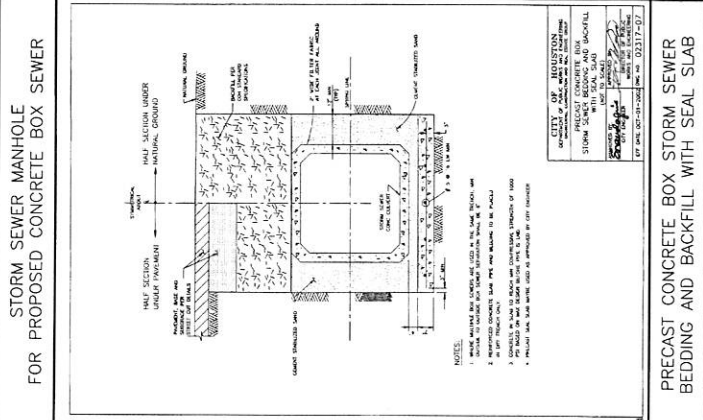
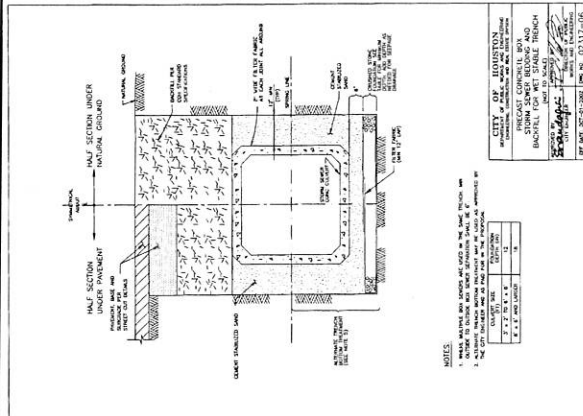
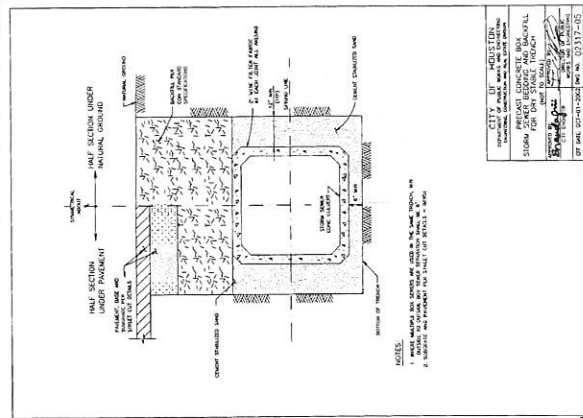
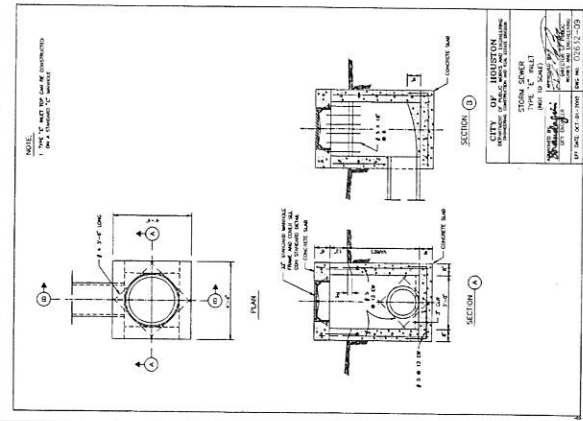
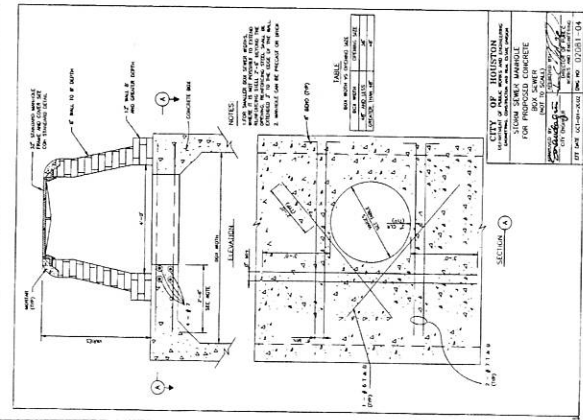
OUTLINE



115-18

NO.	FOR CITY OF HOUSTON USE ONLY
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15.18



NOTES:

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100. SEE PLAN FOR LOCATION OF BOX SEWER.

APPROVED: *[Signature]* **DATE:** 4/12/16

BY: *[Signature]*

PLAT NAME: NO. 15-1745

C.O.A. LOG NO.: F.B.C.M.U.D. NO. 1348

BULLHEAD BAYOU PHASE II DRAINAGE IMPROVEMENTS

STORM SEWER CONSTRUCTION DETAILS (SHEET 1 OF 2)

LJA Engineering, Inc.
 2509 Highway 100
 Suite 100
 Houston, Texas 77042
 Phone 713-863-0000
 Fax 713-863-0000
 E-mail: info@lja.com
 Website: www.lja.com

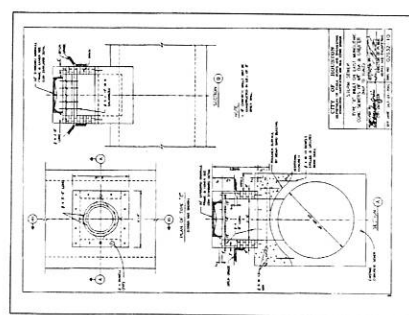
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1100 West 19th Street
 Houston, Texas 77008
 Phone 713-858-2000
 Fax 713-858-2000
 E-mail: info@cityofhouston.org
 Website: www.cityofhouston.org

FILE NO.: 16-18

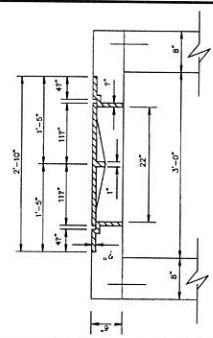
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SCALE: NONE

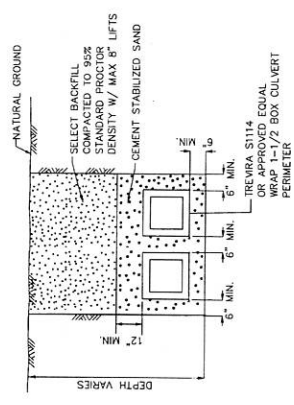
SHEET 16 OF 18



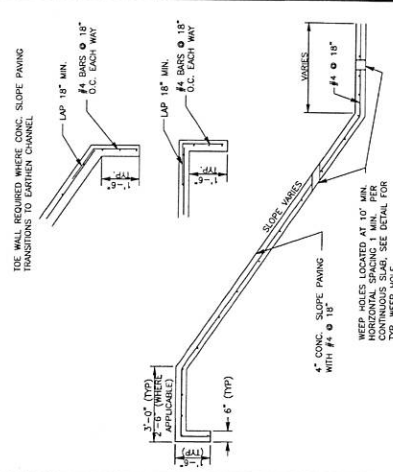
TYPE 'E' INLET CONNECTED
TO EXIST STRUCTURE



FRAME AND COVER SECTION
FOR JUNCTION BOX



MULTIPLE BOX CULVERT BEDDING AND BACKFILL DETAIL



LOPE PAVING

BENCHMARK

AT THE TOP CORNER ROCK STAMPED 4-1219 1973. SET
IN THE TOP CORNER OF CONCRETE. APPROX. 4' N, 1' WEST
BOUND LINES OF HWY 94. APPROX. 4' N, 1' WEST
BOUND LINES OF HWY 94. THE FUNCTION OF HWY 8, IN
CONCRETE. APPROX. 4' N, 1' WEST BOUND LINES OF HWY 8.
EAST OF THE WEST END OF THE NORTH CONCRETE
CROWN AND 27.0 FEET NORTH OF THE
CROWN. APPROX. 4' N, 1' WEST BOUND LINES, AND 7'00 FT
LOWER THAN THE ROAD.

ELEV. = 78.65 FEET (NGD-29) 1973 ADJ.

NOTE

ON IRON ROD W/ L&S CAP LOCATED APPROX.
1' N, 1' WEST BOUND LINES OF HWY 94. THE
OF THE ALAMA PROJECT AT THE INTERSECTION OF
MAZDEN ROAD AND FM 1464.

ELEV. = 83.19 FEET 1973 ADJ.

ELEV. = 7373

- EXPANSION JOINTS TO BE PLACED AT A MAXIMUM DISTANCE OF 80 FEET.

[illegible]

PLAT NAME: CPC 101 FILE NO. 15-1745 C.O.H. LOG NO.	F.B.C.M.U.D. NO. 134B	BULLHEAD BAYOU PHASE II DRAINAGE IMPROVEMENTS
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STORM SEWER
CONSTRUCTION DETAILS
(SHEET 2 OF 3)

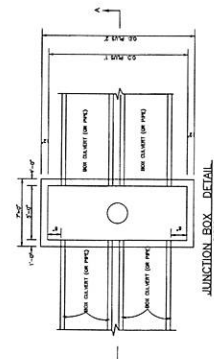
LJA Engineering, Inc. 2828 Blaisdell Drive Suite 600 Dallas, Texas 75244 Phone: 713.953.5028 Fax: 713.953.5028 FNN: F-1388		DATE: FEBRUARY 2016
ISSUED BY: KDB	DRAWN BY: KDB	

CITY OF HOUSTON	
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
SUBMIT & BRIDGE	
DRAWN BY JLH/ML	DATE 3-13-76
CHECKED BY WHL/JPH	DATE 3-16-76
APPROVED BY Engineering Director	DATE 3-16-76
STATION MARK QUALITY	

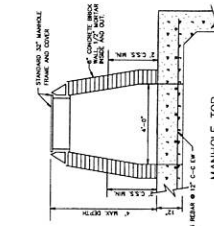
FILE NO.	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	 5568
SCALE: NONE	
SHEET 17 OF 18	



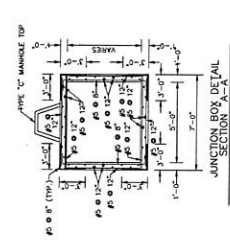
(REVISION NO. 1)
REVISED STANDARD JUNCTION BOX DETAIL



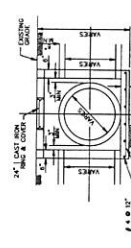
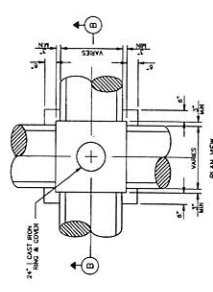
FUNCTION BOX DETAIL



● 12" C-C (W)



JUNCTION BOX DETAIL
SECTION A-A



SECTION "B-B"

CONCRETE HEADWALL WITH FLARED WINGS



