

**REVIEW BY FORT BEND COUNTY  
COMMISSIONERS COURT**

16F  
**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: 2018-23054

**Applicant:** Sovereign Builders, Inc. dba Construction LTD

**Job Location Site:** 17034 University Boulevard, Sugar Land, TX 77498

**Bond No.**                      **Date of Bond:** 8/30/2018 **Amount:** \$10,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The 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, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

**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, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 25th day of September, 2018, Upon Motion of Commissioner Meyers, seconded by Commissioner Morales, 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.

**Signature**

By:

Sean Eglinton  
County Engineer

Presented to Commissioners Court and approved.

Date Recorded 10-3-2018 Comm. Court No. 16F

N/A

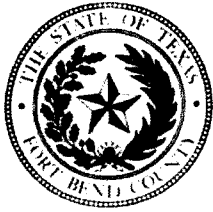
By:

Drainage District Engineer/Manager

Clerk of Commissioners Court

By:

Jinda Willis  
Deputy



**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@fortbendcountytexas.gov

- ☐ Right of Way Permit  
☒ Commercial Driveway Permit

Permit No: 2018-23054

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:**

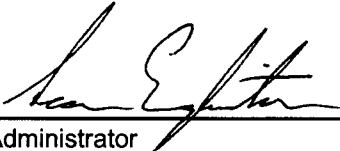
- ☐ County Attorney, approval when applicable.
- ☐ Perpetual bond currently posted.      Bond No: \_\_\_\_\_ Amount: \_\_\_\_\_
- ☒ Performance bond submitted.      Bond No: XXXXXXXXXX Amount: \$10,000.00
- ☐ Cashier's Check      Check No: \_\_\_\_\_ Amount: \_\_\_\_\_

**(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):**

\_\_\_\_\_  
Drainage District Approval

\_\_\_\_\_  
Date

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

  
\_\_\_\_\_  
Permit Administrator

9/18/2018

\_\_\_\_\_  
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 §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, Sovereign Builders, Inc. dba Construction LTD whose (address, phone) is 1825 Upland Drive, Houston, TX 77043, (832) 203-6819 Texas, hereinafter called the Principal, and Berkley Insurance Company, a Corporation existing under and by virtue of the laws of the state of Delaware and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at (name/address/phone) 475 Steamboat Road, Greenwich, CT 06830, (203) 629-3000, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Timothy Miller and whose address is 12400 Coit Road, Suite 625, Dallas, TX 75251, 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 Ten Thousand and No/100 Dollars (\$ 10,000.00 ) 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 30th day of August, 2018.

Sovereign Builders, Inc. dba Construction LTD  
PRINCIPAL

BY

Berkley Insurance Company  
SURETY

BY

Roxanne G. Brune, Attorney-in-Fact

CCM 9-25-2018 # 16F  
Fort Bend County Clerk  
Return Admin Serv Coord RAC  
Permit # 2018-23054

POWER OF ATTORNEY  
**BERKLEY INSURANCE COMPANY**  
 WILMINGTON, DELAWARE

NOTICE: The warning found elsewhere in this Power of Attorney affects the validity thereof. Please review carefully.

KNOW ALL MEN BY THESE PRESENTS, that BERKLEY INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Delaware, having its principal office in Greenwich, CT, has made, constituted and appointed, and does by these presents make, constitute and appoint: *Roxanne G. Brune; David R. Groppell; Beverly A. Ireland; Sharen R. Groppell; Francine M. Hay; Kurt A. Risk; Sharon J. Cavanaugh; or Gloria M. Villa of Marsh & McLennan Agency LLC – Southwest of Houston, TX* its true and lawful Attorney-in-Fact, to sign its name as surety only as delineated below and to execute, seal, acknowledge and deliver any and all bonds and undertakings, with the exception of Financial Guaranty Insurance, providing that no single obligation shall exceed **Fifty Million and 00/100 U.S. Dollars (U.S.\$50,000,000.00)**, to the same extent as if such bonds had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office in their own proper persons.

This Power of Attorney shall be construed and enforced in accordance with, and governed by, the laws of the State of Delaware, without giving effect to the principles of conflicts of laws thereof. This Power of Attorney is granted pursuant to the following resolutions which were duly and validly adopted at a meeting of the Board of Directors of the Company held on January 25, 2010:

**RESOLVED**, that, with respect to the Surety business written by Berkley Surety, the Chairman of the Board, Chief Executive Officer, President or any Vice President of the Company, in conjunction with the Secretary or any Assistant Secretary are hereby authorized to execute powers of attorney authorizing and qualifying the attorney-in-fact named therein to execute bonds, undertakings, recognizances, or other suretyship obligations on behalf of the Company, and to affix the corporate seal of the Company to powers of attorney executed pursuant hereto; and said officers may remove any such attorney-in-fact and revoke any power of attorney previously granted; and further

**RESOLVED**, that such power of attorney limits the acts of those named therein to the bonds, undertakings, recognizances, or other suretyship obligations specifically named therein, and they have no authority to bind the Company except in the manner and to the extent therein stated; and further

**RESOLVED**, that such power of attorney revokes all previous powers issued on behalf of the attorney-in-fact named; and further

**RESOLVED**, that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any power of attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligation of the Company; and such signature and seal when so used shall have the same force and effect as though manually affixed. The Company may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Company, notwithstanding the fact that they may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, the Company has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 19<sup>th</sup> day of July, 2017.

Attest:

Berkley Insurance Company

(Seal)

By

By

Ira S. Lederman

Jeffrey M. Hafter

Executive Vice President & Secretary

Senior Vice President

**WARNING: THIS POWER INVALID IF NOT PRINTED ON BLUE "BERKLEY" SECURITY PAPER.**

STATE OF CONNECTICUT )

) ss:

COUNTY OF FAIRFIELD )

Sworn to before me, a Notary Public in the State of Connecticut, this 19<sup>th</sup> day of July, 2017, by Ira S. Lederman and Jeffrey M. Hafter who are sworn to me to be the Executive Vice President and Secretary, and the Senior Vice President, respectively, of Berkley Insurance Company.

MARIA C. RUNDBAKEN  
 NOTARY PUBLIC  
 MY COMMISSION EXPIRES  
 APRIL 30, 2019

Notary Public, State of Connecticut

**CERTIFICATE**

I, the undersigned, Assistant Secretary of BERKLEY INSURANCE COMPANY, DO HEREBY CERTIFY that the foregoing is a true, correct and complete copy of the original Power of Attorney; that said Power of Attorney has not been revoked or rescinded and that the authority of the Attorney-in-Fact set forth therein, who executed the bond or undertaking to which this Power of Attorney is attached, is in full force and effect as of this date.

Given under my hand and seal of the Company, this 30<sup>th</sup> day of August, 2017.

(Seal)

Vincent P. Forte

WARNING – Any unauthorized reproduction or alteration of this document is prohibited. This power of attorney is void unless seals are readable and the certification seal at the bottom is embossed. The background imprint, warning and verification instructions (on reverse) must be in blue ink.



Please **verify the authenticity** of the instrument attached to this Power by:

Toll-Free Telephone: (800) 456-5486; or

Electronic Mail: [BSGInquiry@berkleysurety.com](mailto:BSGInquiry@berkleysurety.com)

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Any written notices, inquiries, claims or demands to the Surety on the bond attached to this Power should be directed to:

Berkley Surety  
412 Mount Kemble Ave.  
Suite 310N  
Morristown, NJ 07960  
Attention: Surety Claims Department

**Or**

Email: [BSGClaim@berkleysurety.com](mailto:BSGClaim@berkleysurety.com)

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Please include with all communications the bond number and the name of the principal on the bond. Where a claim is being asserted, please set forth generally the basis of the claim. In the case of a payment or performance bond, please also identify the project to which the bond pertains.

Berkley Surety is a member company of W. R. Berkley Corporation that underwrites surety business on behalf of Berkley Insurance Company, Berkley Regional Insurance Company and Carolina Casualty Insurance Company.

**IMPORTANT NOTICE**

To obtain information or make a complaint:

You may call Berkley Surety Group's toll-free telephone number for information or to make a complaint at:

**1-866-245-1973**

You may also write to Berkley Surety Group at:

Berkley Surety Group, Inc.  
412 Mt. Kemble Avenue  
Suite 310N  
Morristown, NJ 07960  
Attention: Surety Claims Department

OR

E-mail: [BSGClaim@wrbcurety.com](mailto:BSGClaim@wrbcurety.com)

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:

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](mailto:ConsumerProtection@tdi.state.tx.us)

**PREMIUM OR CLAIM DISPUTES:**

Should you have a dispute concerning your premium or about a claim you should contact the company. 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.

**AVISO IMPORTANTE**

Para obtener informacion o para someter una queja:

Usted puede llamar al numero de telefono gratis de Berkley Surety Group's para informacion o para someter una queja al:

**1-866-245-1973**

Usted tambien puede escribir a Berkley Surety Group:

Berkley Surety Group, Inc.  
412 Mt. Kemble Avenue  
Suite 310N  
Morristown, NJ 07960  
Attention: Surety Claims Department

OR

E-mail: [BSGClaim@wrbcurety.com](mailto:BSGClaim@wrbcurety.com)

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:

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](mailto:ConsumerProtection@tdi.state.tx.us)

**DISPUTAS SOBRE PRIMAS O RECLAMOS:**

Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el la compania 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

October 02, 2018 02:05:25 PM

FEE: \$0.00 RR1

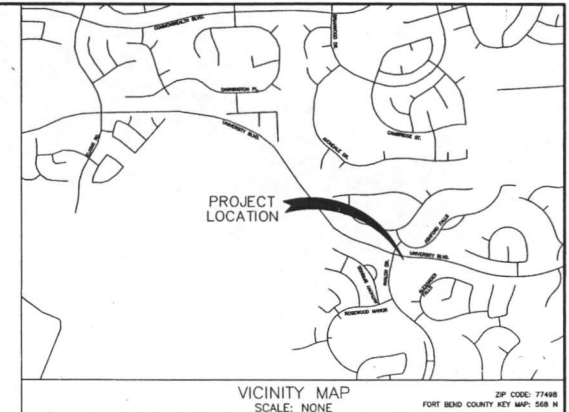
**2018112096**



# FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 128

## CONSTRUCTION PLANS FOR LEFT TURN LANE AND MEDIAN OPENING TO SERVE SHOPS IN RIVERSTONE

UNIVERSITY BLVD & W. AVALON DR.  
SUGARLAND, TX 77498



LJA JOB. NO. 2423-1601P  
DATE: AUGUST 2017

### NOTES

1. THESE PLANS WERE PREPARED TO MEET OR EXCEED FORT BEND COUNTY AND CITY OF SUGAR LAND 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 SUGARLAND PUBLIC WORKS DEPARTMENT (281) 275-2400  
FORT BEND COUNTY DRAINAGE DISTRICT (DWAYNE GREGAR) (281) 342-3863  
FORT BEND COUNTY ENGINEER (CONSTRUCTION@FORTBENDCOUNTYTX.GOV)  
DOW PIPELINE COMPANY (PEDRO LAGOS) (281) 471-9448 ext 222  
S-ENVIRONMENTAL (BRIAN BARE) (832) 490-1570  
S-INDUSTRIAL SERVICES (FORMERLY) COASTAL PIPELINE, (STEVE SHAWFORD) (713) 854-3803  
PHILLIPS PIPELINE COMPANY (CHARLES FREYMELT) (713) 426-1413  
FORT BEND M.U.D. NO. 128 (MR. CHAD HADJIKAKIS, P.E.) (713) 783-7788  
LJA ENGINEERING, INC. (EDDY FLEAN) (281) 384-2012
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 THE FOLLOWING UTILITY COMPANIES TO VERIFY THE LOCATION OF THEIR UTILITIES 48 HOURS PRIOR TO COMMENCEMENT OF EXCAVATION OR CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES:  
CENTERPOINT ENERGY SOUTH OF RAILROAD (JORDAN MORALES) (713) 945-6274  
CENTERPOINT ENERGY NORTH OF RAILROAD (MARSHA SOMMERFELD) (281) 961-3240  
S-ENERGY GAS (RYAN HEINRICH) (281) 778-6020  
O.T.E. TELEPHONE COMPANY (JESSIE FLOWER) (281) 498-2574  
EN TOUCH (WESLEY PENNA) (281) 225-6500  
TEXAS ONE CALL 1-800-245-6546
6. CONTRACTOR SHALL CONTACT ANY PERTINENT PIPELINE COMPANIES AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF EXCAVATION OR CONSTRUCTION IN THE VICINITY OF THEIR EASEMENTS AND/OR RIGHT-OF-WAYS:  
DOW PIPELINE COMPANY (MIKE MURDERER) (979) 855-8363  
DOW PIPELINE COMPANY (JIMMY GARD) (713) 654-3637, (979) 292-8827  
DOW PIPELINE COMPANY (CHRIS SCHUGG) (713) 654-3633, (979) 215-8212

### NOTES CONT.

7. THE OPENING AND CLOSING OF ALL VALVES ON EXISTING WATER LINES MUST BE PERFORMED EXCLUSIVELY BY THE DISTRICT OPERATOR.  
CONTRACTOR/APPLICANT SHALL CONTACT S-ENVIRONMENTAL AT (832) 490-1570 FOR ALL REQUIRED TAPPING AND INSPECTION SERVICES.  
S-ENVIRONMENTAL (BRIAN BARE) (832) 490-1570
8. THE DISTRICT OPERATOR MUST PERFORM ALL WATER LINE BACTERIOLOGICAL TESTS. LJA ENGINEERING, INC. SHALL BE RESPONSIBLE FOR CONTACTING THE DISTRICT.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC FLOW DETOURING INCLUDING LANE CLOSURES, TRAFFIC BARRIERS, SIGNAGE, AND ALL OTHER APPURTENANCES INCIDENT TO ROAD. ONE LANE OF CONTRAIL TRAFFIC FLOW IN EACH DIRECTION SHALL REMAIN OPEN AT ALL TIMES.
10. IN THE CASE OF A CONFLICT BETWEEN THE CITY OF SUGARLAND, FORT BEND COUNTY, PLANS OR SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY.
11. CONTRACTOR SHALL NOTIFY FORT BEND COUNTY ENGINEERING 48 HOURS PRIOR TO COMMENCING CONSTRUCTION AND 24 HOURS PRIOR TO ANY PAVING OPERATION AT EMAIL: CONSTRUCTION@FORTBENDCOUNTYTX.GOV

### SHEET INDEX

- 1 COVER SHEET
- 2 GENERAL NOTES 1 OF 2
- 3 GENERAL NOTES 2 OF 2
- 4 MISC. DETAILS & F.B.C.E. GENERAL NOTES
- 5 EROSION CONTROL NOTES
- 6 OVERALL SITE PLAN
- 7 LEFT TURN LANE & MEDIAN OPENING
- 8 EROSION CONTROL PLAN
- 9 TRAFFIC CONTROL PLAN
- 10 PAVEMENT DETAILS 1 OF 2
- 11 PAVEMENT DETAILS 2 OF 2
- 12 EROSION CONTROL DETAILS 1
- 13 EROSION CONTROL DETAILS 2
- 14 STRIPING DETAILS 1 OF 2
- 15 STRIPING DETAILS 2 OF 2

I HEREBY CERTIFY THAT THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE CONSTRUCTED CONDITION. THE PLANS WERE PREPARED AND THE CONSTRUCTION WAS PERFORMED IN SUBSTANTIAL COMPLIANCE WITH THE CITY OF MISSOURI CITY DESIGN STANDARDS.

CAROLYN E. COMER, P.E. 121806 DATE

### RECORD DRAWING

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

CONTRACTOR: DATE:

TITLE:

DEVELOPER:  
HUNINGTON PROPERTIES



CITY OF SUGARLAND, TEXAS  
ENGINEERING DEPARTMENT

APPROVED: *Guillermo Salcedo* Senior Eng.  
DATE: 9 Aug 2017

APPROVED FOR CONSTRUCTION  
BY: DATE:

FORT BEND COUNTY ENGINEERING DEPARTMENT	
ENGINEER: <i>Richard W. Stokes, P.E.</i>	
DATE: 8/15/17	
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.	
APPROVED: <i>LJA</i>	
DATE: 8/16/17	



ENGINEER:

**LJA Engineering, Inc.**

2929 Briarpark Drive  
Suite 600  
Houston, Texas 77042-3703

Phone 713.953.5200  
Fax 713.953.5026  
FRN-F-1386

SHEET No: 1 of 15



[illegible]

3 TEST AND ANALYSIS OF AGGREGATE AND BRIDGE MATERIALS WILL BE PERFORMED IN ACCORDANCE WITH ASTM 1557 AND  
4 1558. ALL MATERIALS WILL BE TESTED IN ACCORDANCE WITH THE FOLLOWING: ALL MATERIALS WILL BE TESTED IN ACCORDANCE WITH THE  
5 ALL TESTS AND WORKMANSHIP SHALL COMPLY WITH TIGHT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF  
6 HIGHWAYS, STREETS AND BRIDGES (1993) AND ITS LATEST REVISIONS, CITY OF SEASIDE LOCAL ORDINANCES  
7 AND ALL OTHERS IN EFFECT IN THE CITY OF SEASIDE. ALL MATERIALS WILL BE TESTED IN ACCORDANCE WITH THE  
8 ALL TESTS FOR MINIMUM AVERAGE COMPRESSIVE STRENGTH OF 200 PSI IN 48 HRS. PROVIDED MINIMUM CURRENT  
9 STRENGTH OF 200 PSI IN 28 DAYS. ALL MATERIALS WILL BE TESTED IN ACCORDANCE WITH THE FOLLOWING:  
10 FIELD SLOPE FALL BELOW 30%  
11 ALL MATERIALS WILL BE TESTED IN ACCORDANCE WITH THE FOLLOWING: ALL MATERIALS WILL BE TESTED IN ACCORDANCE WITH THE  
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CITY OF SUGAR LAND REFERENCE MARK NUMBER  
SGR-1, BEING A BRASS DISK STAMPED "RM 001"  
LOCATED ON A MEDIAN ON ELKINS RD APPROX.  
2.15 MILES SOUTH OF WILLIAMS TRACE BLVD.  
ELEV. 70.14', NAVD88, 2001 ADJUSTMENT.

EAST SIDE OF WEST AVALON DRIVE APPROX. 260  
FEET SOUTH OF UNIVERSITY BLVD. (AS SHOWN

BOX 507 OF A STORM INLET LOCATED ON THE SOUTH SIDE OF UNIVERSITY BLVD. APPROX. 180 FEET EAST OF WEST AVALON DRIVE. (AS SHOWN HEREON)

\_\_\_\_\_

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1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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

TITLE: \_\_\_\_\_

APPROVED: [Signature]


Mr. President _____	_____ _____	_____ _____




ENGINEERING DEPARTMENT

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GENERAL NOTES

LJA Engineering, Inc. 

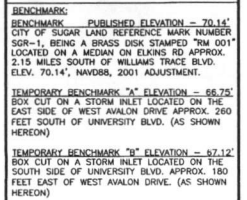
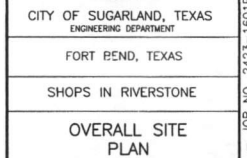
LIJ PROJECT NO.: 2423-1601B

SCALE:		
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[illegible][illegible]

1. CONTRACTOR SHALL MAINTAIN SITE DRAINAGE AT ALL TIMES.
2. ALL MATERIALS FROM DITCH/OUTCROPPINGS AS WELL AS EXCESS MATERIAL FROM THE EXCAVATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL DISPOSE OFF-SITE IN A LAWFUL MANNER.
3. GRADE PAYING UNIFORMITY BETWEEN INDICATED ELEVATIONS. ADJUST ELEVATION AS DIRECTED BY THE ENGINEER AND AS REQUIRED TO ACHIEVE POSITIVE DRAINAGE AND PLEASING 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.

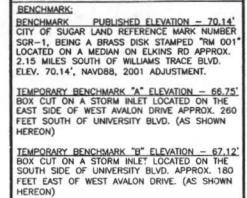
- ② 8" WIDE SOLID WHITE STRIPE PER CITY OF SUGAR LAND STANDARDS DETAIL SL-28, SHEET 14.
- ③ CONTRACTOR TO INSTALL 8" CURB PER CITY OF SUGAR LAND STANDARDS DETAIL SL-23, SHEET 10.
- ④ CONTRACTOR TO MATCH ELEVATION AT EXISTING PAVEMENT.
- ⑤ ADJUST EXISTING STORM MANHOLE TO MATCH PROPOSED PAVEMENT.
- ⑥ TURNING ARROW SEE DETAIL SL-28, SHEET 14.
- ⑦ 4" SQ. 1-WAY REFLECTORIZED WHITE RAISED PAVEMENT MARKERS, TYPE I-C, SEE DETAIL SL-28, SHEET 14.
- ⑧ TYPED R3-SL SIGN - LEFT TURN LANE.
- ⑨ CONTRACTOR TO VERIFY DEPTH OF CNP CONCRETE PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IN WRITING.



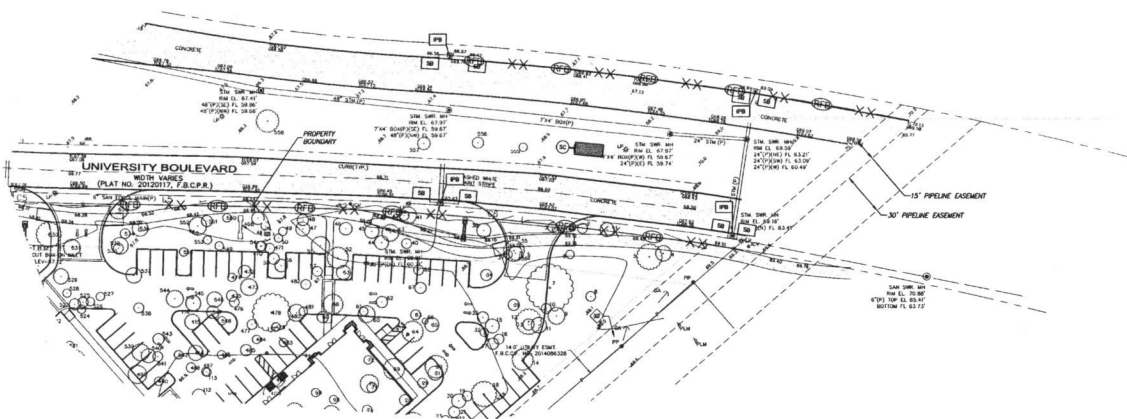
Curve Table			
Curve #	Length	Radius	Delta
C1	63.515	90.097	040.39
C2	13.675	8.000	097.9435
C3	62.889	90.097	039.9936
C4	54.880	90.000	034.9377
C5	16.557	8.000	118.5758
C6	44.282	90.000	028.1905
C7	31.572	2607.809	000.693
C8	16.523	500.000	001.8935
C9	31.473	500.200	003.6065
C10	51.762	500.000	005.9315

Line Table		
Line #	Length	Direction
L2	15.154	S82° 45' 46.96"E



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1. FOR STORMWATER POLLUTION PREVENTION PLAN DETAILS, REF: SHEET C12.
2. FILTER FABRIC FENCE SHALL BE INSTALLED ON SITE AS INDICATED ON PLAN PRIOR TO CONSTRUCTION.

1. SEDIMENT WILL BE RETAINED ON SITE TO THE MAXIMUM EXTENT PRACTICABLE
2. CONTROL MEASURE WILL BE PROPERLY SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND GOOD CONSTRUCTION PRACTICE. IF DAMAGED OR RENDERED INEFFECTIVE, THE EROSION AND SEDIMENT CONTROL MEASURE WILL BE REPAIRED OR REPLACED IMMEDIATELY.
3. WHEN PAVING (SEWERING) STAGING STORM WATER FROM THE SITE, THE OPERATOR SHALL AVOID ANY OF THE FOLLOWING PRACTICES (FROM THE STORM WATER MANAGEMENT HANDBOOK FOR CONSTRUCTION ACTIVITIES THAT ADDRESS EROSION AND SEDIMENT CONTROL):  
a. DISCHARGE INTO A STORM SEWER WILL NOT BE ALLOWED.
4. IF THE INTERIM PERIOD BETWEEN CONSTRUCTION OF UTILITIES AND STORM STRUCTURES WILL BE MORE THAN 21 DAYS, THE STREET RIGHTS-OF-WAY WILL BE FENCED OR OTHERWISE PROTECTED FOR AT LEAST 14 DAYS.
5. AFTER PAVING COMPLETION, NEWLY GRADED AREAS AND ALL EXPOSED SOILS WILL BE COMPLETELY STABILIZED.

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

DESCRIPTION	SYMBOL
ROCK FILTER DAM	
STABILIZED CONSTRUCTION ACCESS	
INLET PROTECTION BARRIER	
SAND BAG BERM	
FILTER FABRIC FENCE	



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

CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_  
TITLE: \_\_\_\_\_

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]*

DATE: 8/16/17

[illegible]

CITY OF SUGARLAND, TEXAS  
ENGINEERING DEPARTMENT

FORT BEND, TEXAS

## SHOPS IN RIVERSTONE

## EROSION CONTROL PLAN

**LJA Engineering, Inc.**

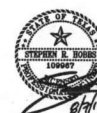
2929 Briarpark Drive  
Suite 600  
Houston, Texas 77042

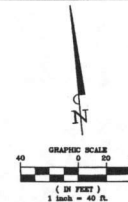
Phone 713.953.5200  
Fax 713.953.5026  
FRN - F-1386

LJA PROJECT NO.: 2423-1601P

DESIGNED BY:	DRAWN BY:	DATE:
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JRP	JRP/MMB	AUG 2017
SCALE: HORIZ: 1"=40' VERT: 1"=40'	SHEET NO. 8 OF 15	





BENCHMARK:  
BENCHMARK: PUBLISHED ELEVATION - 70.14'  
CITY OF SUGAR LAND REFERENCE MARK NUMBER  
SUR-1, BEING A BRASS DISK STAMPED "M 001"  
LOCATED ON A MEDIAN ON ELKINS RD APPROX.  
2.15 MILES SOUTH OF WILLIAMS TRACE BLVD.  
ELEV. 70.14', NAVD83, 2001 ADJUSTMENT.

TEMPORARY BENCHMARK "A" ELEVATION - 66.25'  
BOX CUT ON A STORM INLET LOCATED ON THE  
EAST SIDE OF WEST AVALON DRIVE APPROX. 260  
FEET SOUTH OF UNIVERSITY BLVD. (AS SHOWN  
HEREON)

TEMPORARY BENCHMARK "B" ELEVATION - 67.12'  
BOX CUT ON A STORM INLET LOCATED ON THE  
SOUTH SIDE OF UNIVERSITY BLVD. APPROX. 180  
FEET EAST OF WEST AVALON DRIVE. (AS SHOWN  
HEREON)

# RECORD DRAWING

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

CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_  
TITLE: \_\_\_\_\_

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]*  
DEVELOPMENT COORDINATOR

DATE: 8/8/17

DATE	REVISION	BY



CITY OF SUGARLAND, TEXAS  
ENGINEERING DEPARTMENT

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

TRAFFIC CONTROL  
PLAN

LJA Engineering, Inc. *[Logo]*  
2929 Briarclark Drive Phone 713.953.5200  
Suite 600 Fax 713.953.5026  
Houston, Texas 77042 FIRM - F-1386

LJA PROJECT NO.: 2423-1601P

DESIGNED BY: JRP DRAWN BY: JRP/MMB DATE: AUG 2017

SCALE: 1"=40'  
SHEET NO. 9 OF 15

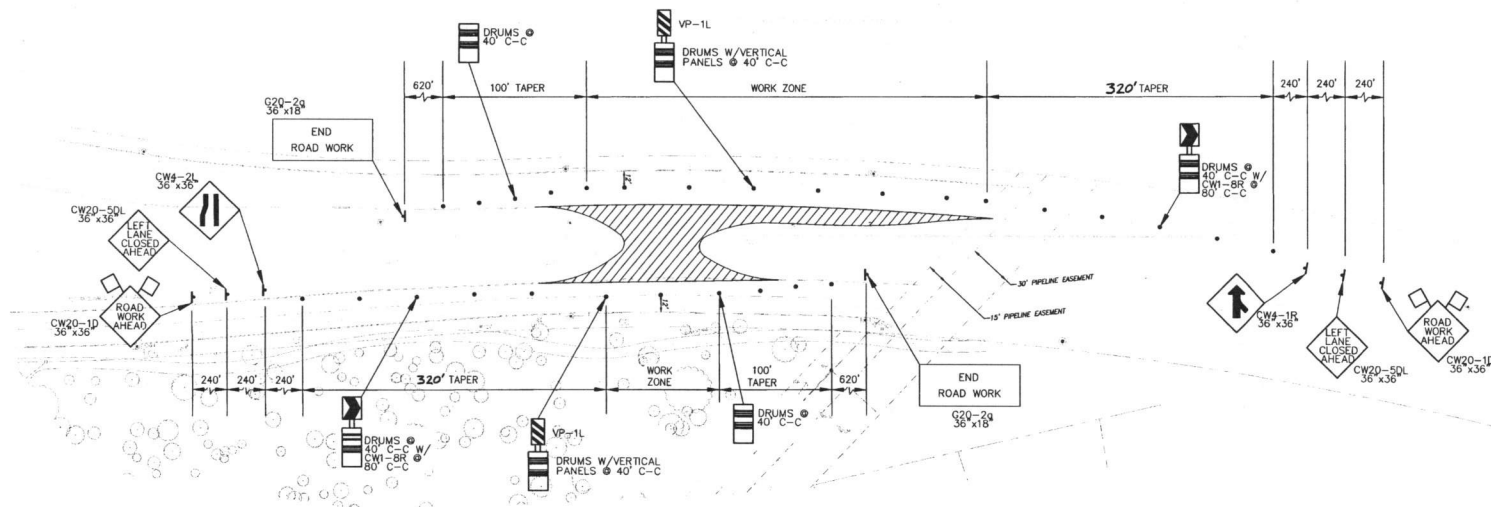


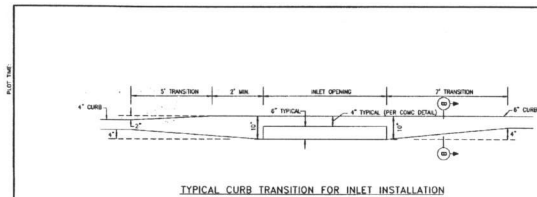
UNIVERSITY BLVD.  
EXISTING SPEED  
LIMIT 40 MPH

## UNIVERSITY BLVD. (R.O.W. VARIES)

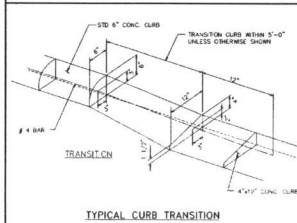
TRAFFIC CONTROL PLAN FOR LEFT TURN & MEDIAN OPENING CONSTRUCTION IN MEDIAN

NOTE: LANE CLOSURES SHALL BE LIMITED TO 9AM - 4PM, MON-FRI

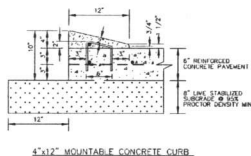




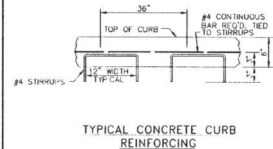
SL-ST-13



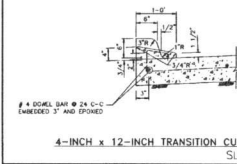
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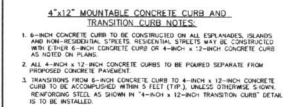
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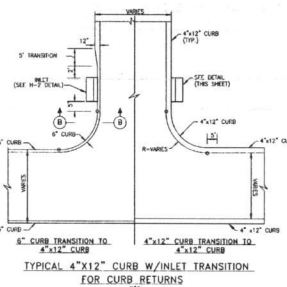
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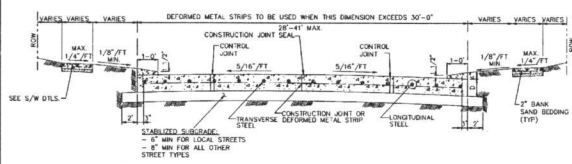
SL-ST-18



SL-ST-20



SL-ST-14



SL-ST-19

- CONSTRUCTION NOTES:**
1. 8 INCH 5.5 SACK CEMENT PER CUBIC YARD CONCRETE, 3500 PSI REINFORCED CONCRETE WITH #4 BARS 24 INCHES C-C, E.M. IS THE MINIMUM ACCEPTABLE PAVEMENT CONSTRUCTION FOR RESIDENTIAL STREETS.
  2. 7 INCH 5.5 SACK CEMENT PER CUBIC YARD CONCRETE, 3500 PSI REINFORCED CONCRETE WITH #4 BARS 24 INCHES C-C, IS THE MINIMUM ACCEPTABLE PAVEMENT CONSTRUCTION FOR COLLECTOR STREETS.
  3. EIGHT (8) INCH 5.5 SK, 3500 PSI @ 28 DAYS, REINFORCED WITH #4 18\"/>

**BENCHMARK:**  
**BENCHMARK:** PUBLISHED ELEVATION = 70.14'  
 CITY OF SUGAR LAND REFERENCE MARK NUMBER  
 SUR-11, BEING A BRASS DISK STAMPED 7MM 5011  
 LOCATED ON A MEDIAN ON ELKINS RD APPROX.  
 2.15 MILES SOUTH OF WILLIAMS TRACE BLVD.  
 ELEV. 70.14', HANOVER, 2001 ADJUSTMENT.

**TEMPORARY BENCHMARK "2" ELEVATION = 66.72'**  
 BOX CUT ON A STORM INLET LOCATED ON THE  
 EAST SIDE OF WEST AVALON DRIVE APPROX. 260  
 FEET SOUTH OF UNIVERSITY BLVD. (AS SHOWN  
 HEREON)

**TEMPORARY BENCHMARK "3" ELEVATION = 67.12'**  
 BOX CUT ON A STORM INLET LOCATED ON THE  
 SOUTH SIDE OF UNIVERSITY BLVD. APPROX. 180  
 FEET EAST OF WEST AVALON DRIVE. (AS SHOWN  
 HEREON)

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

CONTRACTOR: DATE: \_\_\_\_\_  
 TITLE: \_\_\_\_\_

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]*  
 DEVELOPMENT COORDINATOR

DATE: 8/16/17

DATE	REVISION	BY



CITY OF SUGARLAND, TEXAS  
 ENGINEERING DEPARTMENT

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

PAVEMENT DETAILS  
 1 OF 2

**LJA Engineering, Inc.**  
 2929 Briarpark Drive  
 Suite 600  
 Houston, Texas 77042  
 Phone 713.953.5200  
 Fax 713.953.5026  
 FPN: E-1386

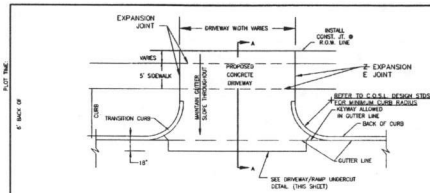
LJA PROJECT NO.: 2423-1601P

DESIGNED BY: JRP  
 DRAWN BY: JRP/MMB  
 DATE: AUG 2017

SCALE: N/A  
 SHEET NO. 10 OF 15

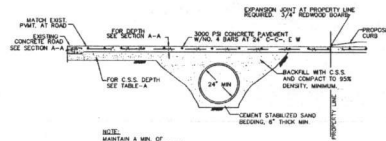






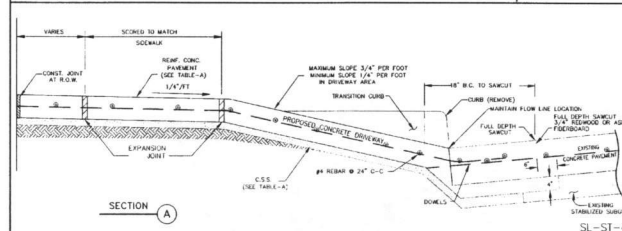
6" CONCRETE CURB  
DRIVEWAY PLAN  
N.T.S.

SL-ST-41



CONCRETE APRON DETAIL - DRIVEWAY PROFILE  
FOR CULVERT DRAINAGE  
N.T.S.

SL-ST-42

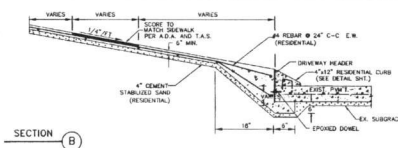


SL-ST-43

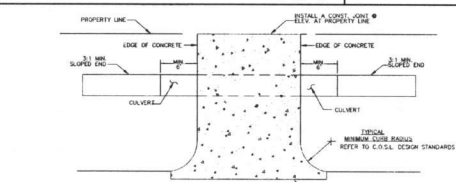


4"x12" CONCRETE CURB  
DRIVEWAY PLAN  
N.T.S.

SL-ST-45

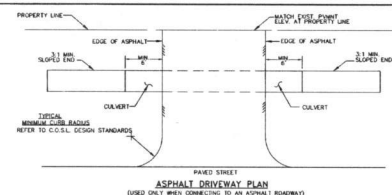


SL-ST-47



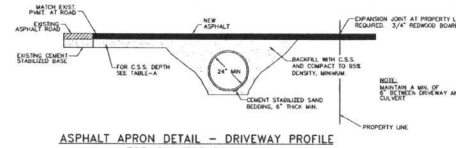
OPEN DITCH  
CONCRETE DRIVEWAY PLAN  
(USED ONLY WHEN CONNECTING TO A CONCRETE ROADWAY)  
N.T.S.

SL-ST-44



ASPHALT DRIVEWAY PLAN  
(USED ONLY WHEN CONNECTING TO AN ASPHALT ROADWAY)  
N.T.S.

SL-ST-46



ASPHALT APRON DETAIL - DRIVEWAY PROFILE  
FOR CULVERT DRAINAGE  
N.T.S.

SL-ST-48

- NOTES:
- 1) SAW CUT & BREAKOUT NO MORE THAN 72 HOURS PRIOR TO PROPOSED CONCRETE PLACEMENT. NOTIFY SUGAR LAND PRIOR TO CUT.
  - 2) UNSTABLE SUBGRADE SHALL BE OVER EXCAVATED & REPLACED WITH CONCRETE.
  - 3) IF A CONTRACTOR RESPONSIBILITY TO NOTIFY SUGAR LAND OF ANY EROSION PATH PROBLEMS PRIOR TO CONSTRUCTION OF DRIVEWAY.
  - 4) USE 1/2" THICK REDWOOD FOR HEADS.
  - 5) EDGE ALL SIDES WITH EDGING TOOL AND BROOM FINISH.
  - 6) FOR INDUSTRIAL DRIVE, PAVEMENT SHALL HAVE A DEPTH OF 8" (8).
  - 7) EXPANSION JOINT AT PROPERTY LINE REQUIRED: 3/4" REDWOOD BOARD WITH NO. 4 DOWELS MINIMUM.
  - 8) MAXIMUM ALLOWABLE DRIVEWAY GRADE IN P.A.C. R.O.M. IS 5%.
  - 9) DRIVEWAY GRADE MUST MEET A.D.A. AND T.A.S. SIDEWALK SLOPE. SIDEWALKS MUST BE SLOPED TO MATCH ADJACENT SIDEWALK. IF SLOPE IS CONTINUED THROUGH THE R.O.M. LINE, PROVIDE A 3/4" REDWOOD EXPANSION JOINT WITH DOWELS AT R.O.M. LINE.
  - 10) REFER TO GENERAL, C.S.S. ASPHALT, AND CONCRETE PAVEMENT NOTES.

SL-ST-49

TABLE-A

CEMENT STABILIZED SAND 2-3/4" MINIMUM	
RESIDENTIAL	4" MINIMUM
COMMERCIAL	6" MINIMUM
INDUSTRIAL	8" MINIMUM
REINFORCED CONCRETE PAVEMENT 100 PSI MIN	
RESIDENTIAL	4" MINIMUM
COMMERCIAL	6" MINIMUM
INDUSTRIAL	8" MINIMUM

DRIVEWAY  
PAVEMENT  
CONSTRUCTION TABLE


No.	Sp. G.	REMARKS

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NO.	THICKNESS	REMARKS
1	4"	

NO.	THICKNESS	REMARKS
1	4"	

	ENGINEERING DEPARTMENT
NO.	<u>CONSTRUCTION PLANS FOR:</u>

DRIVEWAY CONSTRUCTION DETAILS	
JOB NO.: DATE: DESIGNED BY: DRAWN BY: CHECKED BY:	SL-27

SCALE	SHEET OF
-------	----------

BENCHMARK:  
PUBLISHED ELEVATION - 70.14'  
CITY OF SUGAR LAND REFERENCE MARK NUMBER  
SGR-1, BEING A BRASS IRON STAMPED "TM COIT"  
LOCATED ON A MEDIAN ON ELKINS RD APPROX.  
2.15 MILES SOUTH OF WILLIAMS TRACE BLVD.  
ELEV. 70.14'. NAVD83, 2001 ADJUSTMENT.

TEMPORARY BENCHMARK "A" ELEVATION - 66.75'  
BOX CUT ON A STORM INLET LOCATED ON THE  
EAST SIDE OF WEST AVALON DRIVE APPROX. 280  
FEET SOUTH OF UNIVERSITY BLVD. (AS SHOWN  
HEREON)

TEMPORARY BENCHMARK "B" ELEVATION - 67.12'  
BOX CUT ON A STORM INLET LOCATED ON THE  
SOUTH SIDE OF UNIVERSITY BLVD. APPROX. 180  
FEET EAST OF WEST AVALON DRIVE. (AS SHOWN  
HEREON)

# RECORD DRAWING

I HEREBY CERTIFY THAT THIS DRAWING REFLECTS THE  
IMPROVEMENTS CONSTRUCTED AS TO SIZE, LOCATION,  
AND ORIGIN, AND THAT THE CONSTRUCTION WAS IN  
SUBSTANTIAL COMPLIANCE WITH THE CONTRACT  
DOCUMENTS.

CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *LJA*  
DEVELOPMENT SUPERVISOR

DATE: 8/4/17

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_



CITY OF SUGAR LAND, TEXAS  
ENGINEERING DEPARTMENT

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

PAVEMENT DETAILS  
2 OF 2

LJA Engineering, Inc.  
2629 Briarpark Drive  
Suite 600  
Houston, Texas 77042  
Phone 713.953.5200  
Fax 713.953.9026  
FPM-F-1386

LJA PROJECT NO.: 2423-1601P

DESIGNED BY: JRP  
DRAWN BY: JRP/MMB  
DATE: AUG 2017

SCALE: \_\_\_\_\_  
HORIZ: \_\_\_\_\_  
VERT: \_\_\_\_\_  
SHEET NO. 11 OF 15







1. TYPE OF NETTING, FILTER MATERIAL, DIAMETER OF TUBE, AND SPACING OF TUBES SHALL BE SPECIFIED BY THE DESIGNER BASED ON THE FOLLOWING SITE PARAMETERS:
  - SIZE OF CONTRIBUTING DRAINAGE AREA
  - STEEPNESS OF SLOPE
  - GROUND CONDITIONS (SOIL OR PAVEMENT)
2. DESIGNER SHALL SHOW ON THE DRAWINGS THE LOCATIONS WHERE TUBE ARE TO BE TURNED UPSLOPE. UPSLOPE LENGTHS SHALL BE MINIMUM OF 10 FEET.

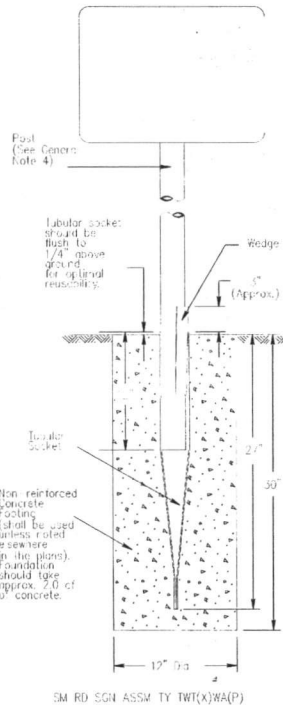
**RECORD DRAWING**  
I HEREBY CERTIFY THAT THIS DRAWING REFLECTS THE IMPROVEMENTS CONSTRUCTED AS TO SIZE, LOCATION, AND GRADE; AND THAT THE CONSTRUCTION WAS IN SUBSTANTIAL COMPLIANCE WITH THE CONTRACT DOCUMENTS.



<b>LJA Engineering, Inc.</b>		<b>LJA</b>	
2929 Briarpark Drive		Phone 713.953.5200	
Suite 600		Fax 713.953.5017	
Houston, Texas 77042		FRN - F-1386	
LJA PROJECT NO.: 2423-1601P			
DESIGNED BY:	DRAWN BY:	DATE:	
JRP	JRP/MMB	AUG 1975	
SCALE:			
HORIZ.:	VERT:	SHEET NO. 13 OF 15	
NTS			

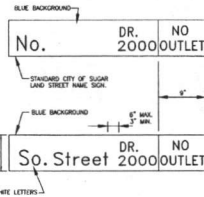


# Wedge Anchor System



5M RD SGN ASSW TY TW(X)WA(P)

SL-ST-62



DETAIL OF STANDARD STREET NAME SIGN

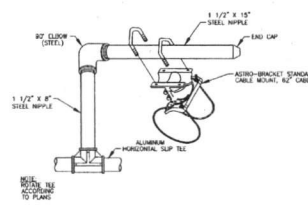
SL-ST-66



SIGN I.D. TAG DETAIL

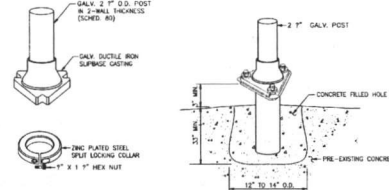
SL-ST-68

MAST ARM:  
1. 2-EACH ASTRO FOR A SECTION AND LAMP/TRAFFIC SIGNAL HEAD.



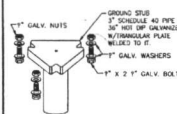
ASTRO BRACKET CABLE MOUNT DETAIL

SL-ST-63



CONCRETE SIGN PEDESTAL

SL-ST-65



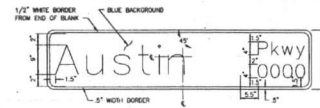
POZ-LOCK SLIPBASE SYSTEM

SL-ST-64

## GENERAL CONSTRUCTION NOTES:

1. SECURELY ATTACH STREET NAME SIGN TO TRAFFIC SIGNAL SUPPORT WIRES WITH MULTI-LEVELING, WELD DOWNS, BRACKETS.
2. SUPPORT WIRES SHOULD NOT BE PROMINENT FROM INDIVIDUAL SIGNAGE.
3. SIGNAL ONE STREET NAME SIGN APPROXIMATELY 2' FROM POLE ABOVE ON-COMING TRAFFIC ON EACH TRAFFIC SIGNAL.
4. THE FIRST LETTER OF EACH WORD SHALL BE UPPER CASE, SUBSEQUENT LETTERS SHALL BE LOWER CASE, ALL INDIVIDUAL LETTERS FOR EXAMPLE "P" SHALL BE UPPER CASE. STREET SIGNIFIES A "NO OUTLET" SHALL BE UPPER CASE.
5. ALL SIGNING SHALL BE "STANDARD GRADE" OR APPROVED EQUAL.
6. USE APPROVED SIGNAGE ONLY.
7. STREET SIGN FORTS SHALL BE HELVETICA MEDIUM STYLE.
8. MINIMUM SIGN THICKNESS: 1" SIGN = .0007", 14" SIGN = .0010"

SL-ST-68



DETAIL OF SIGN FOR MAST ARM TRAFFIC SIGNAL POLES

SL-ST-67

- NOTES:
1. HELVETICA MEDIUM, MEDIUM STYLE, WITH 1/2" UPPER CASE LETTERS AND 1/2" LOWER CASE LETTERS.
  2. REFER TO C.O.S.L. DESIGN STANDARDS FOR MORE INFO.

## BENCHMARK:

BENCHMARK: PUBLISHED ELEVATION - 70.14'  
CITY OF SUGAR LAND REFERENCE MARK NUMBER  
SRM-1, BEING A BRASS DISK STAMPED "70M 001"  
LOCATED ON A MEDIAN ON ELKINS RD APPROX.  
2.15 MILES SOUTH OF WILLIAMS TRACE BLVD.  
ELEV. TO 14", NAVD83, 2001 ADJUSTMENT.

TEMPORARY BENCHMARK "A" ELEVATION - 66.75'  
BOX CUT ON A STORM INLET LOCATED ON THE  
EAST SIDE OF WEST AVALON DRIVE APPROX. 260  
FEET SOUTH OF UNIVERSITY BLVD. (AS SHOWN  
HEREON)

TEMPORARY BENCHMARK "B" ELEVATION - 67.12'  
BOX CUT ON A STORM INLET LOCATED ON THE  
SOUTH SIDE OF UNIVERSITY BLVD. APPROX. 180  
FEET EAST OF WEST AVALON DRIVE. (AS SHOWN  
HEREON)

## RECORD DRAWING

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

CONTRACTOR: DATE:

TITLE:

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: DATE: 8/14/17

DEVELOPMENT COORDINATOR

DATE: 8/14/17

DATE: REVISION: BY:

DATE: REVISION: BY:

DATE: REVISION: BY:

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LJA Engineering, Inc.

2929 Briarpark Drive  
Suite 600  
Houston, Texas 77042

Phone 713.953.5300  
Fax 713.953.5028  
FIRM: E-1386

LJA PROJECT NO.: 2423-1601P

DESIGNED BY: JRP

DRAWN BY: JRP/MMB

DATE: AUG 2017

SCALE: 1"=10'

VERT: 1"=10'

SHEET NO. 15 OF 15

