

**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: 2017-16004

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: \$50,000.00
- ☐ Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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

Charles O. Al

Permit Administrator

10/13/2017

Date

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

BOND NO. [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 Fifty Thousand and No/100 Dollars (\$50,000.00) 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 19th day of September, 2017.

Sovereign Builders, Inc. dba Construction LTD
PRINCIPAL

Ronald Weiser
BY

Berkley Insurance Company
SURETY

Gloria M. Villa
BY Gloria M. Villa, Attorney-in-Fact

CCM 10-24-2017 # 18M
Fort Bend County Clerk
Return Admin Serv Coord
RAC

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 14th day of July, 2017.

Attest:
 (Seal) By Ira S. Lederman
 Executive Vice President & Secretary

Berkley Insurance Company
 By Jeffrey M. Hafter
 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 19th 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

Maria C. Rundbaken
 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 19th day of September, 2017.

Vincent P. Forte
 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

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

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.

FILED AND RECORDED
OFFICIAL PUBLIC RECORDS

Laura Richard

Laura Richard, County Clerk

Fort Bend County Texas

October 30, 2017 03:23:19 PM



FEE: \$0.00

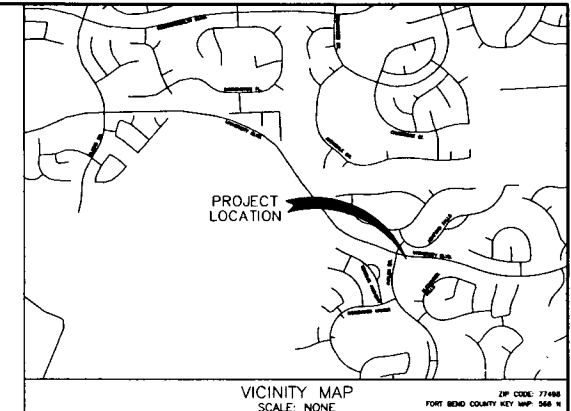
SB

2017119181

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 SUGARLAND SUBDIVISION RULES AND REGULATIONS (AS APPLICABLE) AS CURRENTLY AMENDED.
2. CONSTRUCTION SHALL 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) 375-3400
 - FORT BEND COUNTY DRAINAGE DISTRICT (DRAINAGE DEPARTMENT) (281) 362-3883
 - FORT BEND COUNTY ENGINEER (CONSTRUCTION@FORTBENDCOUNTYTX.GOV)
 - CONTEMPORARY COMPANY (FEDERAL LIAISON) (281) 471-9999 FAX 222
 - ENVIRONMENTAL (BRAIN BARE) (832) 485-1570
 - NO. 1400 HILL ROAD (FORMERLY COASTAL PIPELINE) (STEVIE SHAWFORD) (713) 854-2800
 - PHILLIPS PIPELINE COMPANY (CHARLES FREEMAN) (713) 488-1413
 - FORT BEND M.U.D. NO. 128 (MR. CHAD HANDEL) (P.E.) (713) 763-7738
 - LJA ENGINEERING, INC. (GROW FELAN) (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 (ADRIAN MORROW) (713) 846-8274
 - CENTERPOINT ENERGY NORTH OF RAILROAD (JANISIA BOMBERFELD) (281) 861-3040
 - B-ENERGY GAS (RYAN HERNIM) (281) 778-6530
 - G.T.E. TELEPHONE COMPANY (JULIE FLORES) (409) 486-2574
 - EN FOCUS (WHELEY PRINCE) (281) 225-9340
 - TEXAS ONE CALL 1-800-485-4545
6. CONTRACTOR SHALL CONTACT ANY PREEMPT PIPELINE COMPANIES AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF EXCAVATION OR CONSTRUCTION IN THE VICINITY OF THEIR EASEMENTS AND/OR RIGHT-OF-WAYS:
 - DOCK PIPELINE COMPANY (JANE BURGESS) (876) 855-9383
 - DOCK PIPELINE COMPANY (POBRY CARR) (713) 854-3827 (876) 282-8827
 - DOCK PIPELINE COMPANY (CARRIS MCRODGERS) (713) 854-3823 (876) 215-8213

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 SE ENVIRONMENTAL AT (832) 485-1570 FOR ALL REQUIRED TAPPING AND INSPECTION SERVICES. SE ENVIRONMENTAL (BRAIN BARE) (832) 485-1570
8. THE DISTRICT OPERATOR MUST PERFORM ALL WATER LINE HYDROLOGICAL TESTS. LJA ENGINEERING, INC. SHALL BE RESPONSIBLE FOR CONTRACTING THE DISTRICT.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC FLOW DETOURING INCLUDING LANE CLOSURES, TRAFFIC BARRIERS, SIGNAGE, AND ALL OTHER APPURTENANCES. INCORPORATING TO BE ONE LANE OF CONTINUOUS 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

I HEREBY CERTIFY THAT THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE CONSTRUCTED CONDITION. THE PLANS WERE PREPARED AND THE CONSTRUCTION WAS PERFORMED IN SUBSTANTIAL ACCORDANCE 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:



CITY OF SUGARLAND, TEXAS
ENGINEERING DEPARTMENT

APPROVED: *[Signature]* Guillermo Salcedo P.E. Senior Eng.
DATE: 9 Aug 2017

APPROVED FOR CONSTRUCTION

BY: DATE:

FORT BEND COUNTY ENGINEERING DEPARTMENT	
ENGINEER: <i>[Signature]</i> P.E.	
DATE: 8/14/17	
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEARS FROM DATE OF APPROVAL.	
APPROVED: <i>[Signature]</i>	DATE: 8/14/17
DEVELOPMENT COORDINATOR	

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

DEVELOPER:
HUNINGTON PROPERTIES

[illegible][illegible]

1. ALL STABILIZED SAND SHALL BE A MINIMUM OF 15 IN. PLR CURING YARD
2. CEMENT STABILIZED SAND (C.S.S.) SHALL ACHIEVE A MINIMUM OF 100 PSI WITHIN 48 HOURS
3. A MINIMUM OF 2 INNOVAC SAMPLES SHALL BE TAKEN EACH WEEK (FOR SMALLER PROJECTS, ONE SAMPLE MAY SUFFICE WITH CITY OF SUGAR LAND APPROVAL). THE CITY OF SUGAR LAND RESERVES THE RIGHT TO REQUIRE ADDITIONAL TESTS, AT THE CONTRACTORS EXPENSE IF IT IS DEEMED NECESSARY.
4. ANY C.S.S. NOT MEETING CITY OF SUGAR LAND STANDARDS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE
5. BOTH CEMENT CEMENT AND COMPRESSIVE TESTS SHALL BE CONDUCTED ON C.S.S. SAMPLES
6. ALL SHALL BE CORRECTED IMMEDIATELY WHEN ANY TESTS WHICH FAILS AND REQUIRED TO REACH A MINIMUM DENSITY OF 98% 7. REFER TO GENERAL NOTES

1. BANK SAND IS DEFINED AS A WELL-GRADED SAND, FREE OF SILT, CLAY, FRAGILE OR SOLUBLE MATERIALS AND ORGANIC MATTER, MEETING THE UNITED STATES CLASSIFICATIONS SYSTEM GROUP SYMBOL SW CRITERIA WITH A PLASTICITY INDEX OF LESS THAN 10. NO MORE THAN 12% OF MATERIAL CAN PASS THE NO. 200 SIEVE.

[illegible][illegible][illegible]

BENCH-MARK:
BENCHMARK PUBLISHED ELEVATION = 70.14'
CITY OF SUGAR LAND REFERENCE MARK NUMBER
SGR-1, BEING A BRASS DISC STAMPED "RN 001"
LOCATED ON A MEDIAN ON EUGENE RD. APPROX.
2.15 MILES SOUTH OF WILLIAMS TRACE BLVD.
ELEV. 70.14'. MAY08B, 2001 ADJUSTMENT

TEMPORARY BENCHMARK "A" ELEVATION = 66.75'
BOX CUT ON A STORM INLET LOCATED ON THE
EAST SIDE OF WEST AVONILE 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 AVONILE DRIVE. (AS SHOWN
HEREON)

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.

FILE: _____

7131

2- 2/4/17

DATE	REVISION	BY

[illegible]CITY OF SUGARLAND, TEXAS
ENGINEERING DEPARTMENT

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

GENERAL NOTES

Suite 600 Phone 713.953.5200
Fax 713.953.5026

DESIGNED BY:	DRAWN BY:	DATE:
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HORZ: SCALE: SHEET NO. 2 of 15

[illegible][illegible][illegible][illegible][illegible]

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)

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.

FILE _____

7/18

DATE: 8/16/17

[illegible][illegible]

CITY OF SUGARLAND, TEXAS

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

GENERAL NOTES

LA

in 600
Jackson, Texas 77042

DESIGNED BY: NRR	DRAWN BY: NRR/MMB	DATE: AUG 2017
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SHEET NO. 3 OF 15

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HYPER-CHLORINATED WATER NOTES

1. HYPER-CHLORINATED WATER SHALL NOT BE DISCHARGED TO THE STORM SEWER OR DRAINAGE SYSTEM UNLESS THE CHLORINE CONCENTRATION IS REDUCED TO A PPM OR LESS BY CHEMICALLY TREATING THE DISCHARGE OR BY DILUTE RETENTION UNTIL NATURAL ATTENUATION OCCURS.
2. DISCHARGE OF HIGH FLOW RATE AND VELOCITIES SHALL BE DIRECTED TO VELOCITY DISSIPATION DEVICES.
3. CHLORINE CAN BURN VEGETATION, SO IT SHOULD NOT BE USED TO WATER VEGETATION THAT IS BEING USED FOR STABILIZATION, VEGETATED FILTERS OR BUFFERS, OR OTHER VEGETATION TO BE PRESERVED.
4. HYPER-CHLORINATED WATER MAY BE DISCHARGED TO AN ONSITE RETENTION AREA UNTIL NATURAL ATTENUATION OCCURS. THE AREA MAY BE A DITCH, STORMWATER RETENTION BASIN, OR A PORTION OF THE SITE MAY BE DAMMED TO FORM A TEMPORARY PIT ON BEHIND AREA.
5. NATURAL ATTENUATION OF THE CHLORINE MAY BE AIDED BY AERATION AND CAN BE AIDED TO THE WATER BY DIRECTING THE DISCHARGE OVER A ROUGH SURFACE BEFORE IT ENTERS THE TEMPORARY RETENTION AREA OR AN AERATION DEVICE CAN BE PLACED IN THE RETENTION AREA.
6. ONSITE DISCHARGE MAY REQUIRE SEVERAL HOURS TO A FEW DAYS BEFORE THE WATER IS SAFE TO DISCHARGE. THE RATE AT WHICH CHLORINE WILL ATTENUATE IS AFFECTED BY SOIL CONDITIONS AND WEATHER CONDITIONS. ATTENUATION WILL OCCUR MOST RAPIDLY DURING WARM, SUNNY, AND DRY PERIODS.

SANITARY WASTE NOTES

1. THE CONTRACTOR SHALL PROVIDE AN APPROPRIATE NUMBER OF PORTABLE TOILETS BASED ON THE NUMBER OF EMPLOYEES USING THE TOILETS AND THE HOURS THEY WILL WORK.
2. SANITARY FACILITIES SHALL BE PLACED ON A MINIMUM OF 50 FEET AWAY FROM STORM DRAIN INLETS, CONVEYANCE CHANNELS OR SURFACE WATERS. IF UNABLE TO MEET THE 50 FOOT REQUIREMENT DUE TO SITE CONSTRAINTS, PORTABLE TOILETS SHALL BE A MINIMUM OF 10 FEET AWAY FROM STORM DRAIN INLETS, CONVEYANCE CHANNELS OR SURFACE WATER AND RECOVERY CONTAINMENT SHALL BE PROVIDED IN CASE OF SPILLS.
3. THE LOCATION OF THE PORTABLE TOILETS SHALL BE ACCESSIBLE TO MAINTENANCE TRUCKS WITHOUT DAMAGING EROSION AND SEDIMENT CONTROLS OR CAUSING EROSION OR TRACKING PROBLEMS.
4. SANITARY FACILITIES SHALL BE FULLY ENCLOSED AND DESIGNED IN A MANNER THAT MINIMIZES THE EXPOSURE OF SANITARY WASTE TO PRECIPITATION AND STORMWATER RUNOFF.
5. WHEN HIGH WINDS ARE EXPECTED, PORTABLE TOILETS SHALL BE ANCHORED OR OTHERWISE SECURED TO PREVENT THEM FROM BEING BLOWN OVER.
6. THE COMPANY SHALL SUPPLY AND MAINTAIN THE PORTABLE TOILETS. IT SHALL BE NOTICED IMMEDIATELY IF A TOILET IS TIPPED OVER OR DAMAGED IN A WAY THAT THE RESULTS IN A DISCHARGE OF UNCONTAMINATED SOLID WASTE SHALL BE ACCUMULATED INTO A SEPTIC TANK BY THE COMPANY THAT MAINTAINS THE TOILETS.
7. THE OPERATION OF THE MUNICIPAL SEWAGE STORM SEWER SYSTEM (MS4) SHALL BE NOTICED IF A DISCHARGE FROM THE PORTABLE TOILETS ENTERS THE MS4 OR A NATURAL CHANNEL.
8. SANITARY FACILITIES SHALL NOT BE PERMITTED ON PUBLIC STREETS, STREETS OR ALLEYS.

DEBRIS AND TRASH NOTES

1. ALL WASTE SOURCES AND STORAGE AREAS SHALL BE LOCATED A MINIMUM OF 10 FEET AWAY FROM INLETS, DRAINS, CONVEYANCE CHANNELS AND OTHER WATERS. IF THE SITE CONFIGURATION PROVIDES SUFFICIENT SPACE TO DO SO, IN NO CASES SHALL WATERS AND WASTE SOURCES BE CLOSER THAN 20 FEET FROM INLETS, DRAINS, CONVEYANCE CHANNELS AND OTHER WATERS.
2. AFTER COMPLETING EXISTING OPERATIONS, SO THEY DO NOT CAUSE DAMAGE PROBLEMS DURING STORM EVENTS.
3. SLURRY AND CUTTINGS SHALL NOT BE ALLOWED TO REMAIN ON THE PRECIPITATION TO DRY OUT.
4. DEVELOP PRE-DETERMINED, SAFE SLURRY DISPOSAL AREAS.
5. COLLECT SLURRY AND CUTTINGS SHOULD BE IMMEDIATELY HAULED FROM THE SITE FOR DISPOSAL AT A WASTE FACILITY. IF THIS IS NOT POSSIBLE, THE SLURRY AND CUTTINGS SHALL BE DISCHARGED INTO ONSITE CONTAINMENT.
6. THE ONSITE CONTAINMENT MAY BE EXCAVATED OR BURNED IF LINED WITH PLASTIC MINIMUM OF 10 MILIETERS THICK. IF THE PRODUCT INCLUDES REMAINS OF FRESH CONCRETE, SLURRY FROM SAWCUTTING MAY BE DISPOSED OF IN FACILITIES LOCATED FOR THE WASTE OF CONCRETE. THICKS AND SOLID CONCRETE IS A SEPARATE CONTAMINANT.
7. THE CONTAINMENT SHALL BE LOCATED A MINIMUM OF 10 FEET AWAY FROM INLETS, DRAINS, CONVEYANCE CHANNELS AND OTHER WATERS. IF THE SITE CONFIGURATION PROVIDES SUFFICIENT SPACE TO DO SO, IN NO CASE SHALL THE COLLECTION AREA BE CLOSER THAN 20 FEET FROM INLETS, DRAINS, CONVEYANCE CHANNELS AND OTHER WATERS.
8. SEVERAL, PORTABLE, PRE-FABRICATED, CONCRETE RESISTANT, COLLECTION BINS ARE COMMERCIALLY AVAILABLE AND ARE AN ACCEPTABLE ALTERNATIVE TO AN ONSITE CONTAINMENT PIT.
9. MANAGE WASTE CONCRETE. WHEN THE CONTAINMENT IS HALF FULL ALWAYS MAINTAIN A MINIMUM OF ONE FOOT FREEBOARD.
10. ONSITE EMPTING OF SLURRY WASTE AND RECYCLING OF THE CONCRETE WASTE IS THE PREFERRED DISPOSAL METHOD. WHEN THIS IS NOT FEASIBLE, DISCHARGE FROM THE COLLECTION AREA SHALL ONLY BE ALLOWED IF A POSITIVE TREATMENT SYSTEM IS USED TO REMOVE THE FREE MECHANICAL WASTE IS REQUIRED IN THE COLLECTION AREA. THE pH MUST BE TESTED, AND DISCHARGE IS ALLOWED IF THE pH DOES NOT EXCEED 12.5. THE pH MAY BE LOWERED BY ADDING SULFURIC ACID TO THE SLURRY WATER.
11. CARE SHALL BE EXERCISED WHEN TREATING THE SLURRY WASTE FOR DISCHARGE MONITORING MUST BE IMPLEMENTED TO VERIFY THAT DISCHARGES FROM THE COLLECTION AREA DO NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.
12. GEOTEXTILE FABRICS, SUCH AS THOSE USED FOR Silt FENCE SHOULD NOT BE USED TO CONTROL SAWCUTTING WASTE SINCE THE OPENING SIZE IS SIGNIFICANTLY SMALLER THAN THE APPARENT OPENING SIZE OF THE FABRIC.

CONCRETE SAWCUTTING WASTE NOTES

1. DURING SAWCUTTING OPERATIONS, THE SLURRY AND CUTTINGS SHALL BE CONTINUOUSLY VACUATED OR OTHERWISE RECOVERED AND NOT BE ALLOWED TO DISCHARGE FROM THE SITE.
2. IF THE PREVENTION TO BE CUT IS NEAR A STORM DRAIN INLET, THE INLET SHALL BE BLOCKED BY SANDBAGS OR EQUIVALENT TEMPORARY MEASURES TO PREVENT THE SLURRY FROM ENTERING THE INLET. REMOVE THE SANDBAGS IMMEDIATELY AFTER COMPLETING SAWCUTTING OPERATIONS, SO THEY DO NOT CAUSE DAMAGE PROBLEMS DURING STORM EVENTS.
3. SLURRY AND CUTTINGS SHALL NOT BE ALLOWED TO REMAIN ON THE PRECIPITATION TO DRY OUT.
4. DEVELOP PRE-DETERMINED, SAFE SLURRY DISPOSAL AREAS.
5. COLLECT SLURRY AND CUTTINGS SHOULD BE IMMEDIATELY HAULED FROM THE SITE FOR DISPOSAL AT A WASTE FACILITY. IF THIS IS NOT POSSIBLE, THE SLURRY AND CUTTINGS SHALL BE DISCHARGED INTO ONSITE CONTAINMENT.
6. THE ONSITE CONTAINMENT MAY BE EXCAVATED OR BURNED IF LINED WITH PLASTIC MINIMUM OF 10 MILIETERS THICK. IF THE PRODUCT INCLUDES REMAINS OF FRESH CONCRETE, SLURRY FROM SAWCUTTING MAY BE DISPOSED OF IN FACILITIES LOCATED FOR THE WASTE OF CONCRETE. THICKS AND SOLID CONCRETE IS A SEPARATE CONTAMINANT.
7. THE CONTAINMENT SHALL BE LOCATED A MINIMUM OF 10 FEET AWAY FROM INLETS, DRAINS, CONVEYANCE CHANNELS AND OTHER WATERS. IF THE SITE CONFIGURATION PROVIDES SUFFICIENT SPACE TO DO SO, IN NO CASE SHALL THE COLLECTION AREA BE CLOSER THAN 20 FEET FROM INLETS, DRAINS, CONVEYANCE CHANNELS AND OTHER WATERS.
8. SEVERAL, PORTABLE, PRE-FABRICATED, CONCRETE RESISTANT, COLLECTION BINS ARE COMMERCIALLY AVAILABLE AND ARE AN ACCEPTABLE ALTERNATIVE TO AN ONSITE CONTAINMENT PIT.
9. MANAGE WASTE CONCRETE. WHEN THE CONTAINMENT IS HALF FULL ALWAYS MAINTAIN A MINIMUM OF ONE FOOT FREEBOARD.
10. ONSITE EMPTING OF SLURRY WASTE AND RECYCLING OF THE CONCRETE WASTE IS THE PREFERRED DISPOSAL METHOD. WHEN THIS IS NOT FEASIBLE, DISCHARGE FROM THE COLLECTION AREA SHALL ONLY BE ALLOWED IF A POSITIVE TREATMENT SYSTEM IS USED TO REMOVE THE FREE MECHANICAL WASTE IS REQUIRED IN THE COLLECTION AREA. THE pH MUST BE TESTED, AND DISCHARGE IS ALLOWED IF THE pH DOES NOT EXCEED 12.5. THE pH MAY BE LOWERED BY ADDING SULFURIC ACID TO THE SLURRY WATER.
11. CARE SHALL BE EXERCISED WHEN TREATING THE SLURRY WASTE FOR DISCHARGE MONITORING MUST BE IMPLEMENTED TO VERIFY THAT DISCHARGES FROM THE COLLECTION AREA DO NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.
12. GEOTEXTILE FABRICS, SUCH AS THOSE USED FOR Silt FENCE SHOULD NOT BE USED TO CONTROL SAWCUTTING WASTE SINCE THE OPENING SIZE IS SIGNIFICANTLY SMALLER THAN THE APPARENT OPENING SIZE OF THE FABRIC.

SPILL AND LEAK RESPONSE NOTES

1. RELEASES OF RELEASES THAT EXCEED THE REPORTABLE QUANTITY (RQ) FOR OIL AND HAZARDOUS SUBSTANCES SHOULD BE MANAGED IN ACCORDANCE WITH THE FEDERAL AND STATE REGULATIONS.
2. EMERGENCY CONTACT INFORMATION AND SPILL RESPONSE PROCEDURES SHALL BE POSTED IN A READILY AVAILABLE AREA FOR ACCESS BY ALL EMPLOYEES AND SUBCONTRACTORS.
3. SPILL CONTAINMENT KITS SHOULD BE MAINTAINED FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS THAT ARE REGULARLY ONSITE. MATERIALS IN KITS SHOULD BE KEPT ON CONTAINMENT EQUIPMENT IN THE MATERIALS SAFETY DATA SHEETS (MSDS) FOR THE SUBSTANCE MOST FREQUENTLY ONSITE. SPILL KITS ARE INTENDED FOR RESPONSE TO SMALL, SPILLS, TYPICALLY LESS THAN 5 GALLONS, OF SUBSTANCES THAT ARE NOT EXTREMELY HAZARDOUS.
4. SIGNIFICANT SPILLS OR OTHER RELEASES WARRANT IMMEDIATE RESPONSE BY TRAINED PROFESSIONALS.
5. SUSPECTED AIR-BORNE CONTAMINATION SHOULD BE IMMEDIATELY REPORTED TO REGULATORY AGENCIES AND PROTECTIVE ACTION AREA.
6. THE CONTRACTOR SHOULD BE REQUIRED TO DESIGNATE A SITE SUPERVISOR, FORMER SAFETY OFFICER, OR OTHER SENIOR PERSON WHO IS ONSITE DAILY TO BE THE SPILL AND LEAK RESPONSE COORDINATOR (SLRC) AND MUST HAVE KNOWLEDGE OF AND BE TRAINED IN CORRECT SPILL AND LEAK RESPONSE PROCEDURES.

SUBGRADE STABILIZATION NOTES

1. MINIMIZE THE DISCHARGE OF THE CHEMICAL STABILIZERS BY THE CONTRACTOR LIMITING THE AMOUNT OF STABILIZING AGENT ON SITE TO THAT WHICH CAN BE THOROUGHLY MIXED AND COMPLETED BY THE END OF EACH WORKDAY.
2. STABILIZATION SHALL NOT OCCUR IMMEDIATELY BEFORE AND DURING RAINFALL EVENTS.
3. NO TRAFFIC OTHER THAN WATER TRUCKS AND MIXING EQUIPMENT SHALL BE ALLOWED TO PASS OVER THE AREA BEING STABILIZED UNTIL AFTER COMPLETION OF WORKING THE CHEMICAL.
4. AREA AROUND AND CONTAINMENT OF STABILIZED AREAS SHALL BE REINFORCED TO INTERCEPT CHEMICAL RUNOFF AND REDUCE RUNOFF VELOCITY.
5. GEOTEXTILE FABRICS SUCH AS THOSE USED FOR Silt FENCE SHOULD NOT BE USED TO TREAT CHEMICAL RUNOFF, BECAUSE THE CHEMICALS ARE DISCHARGED IN THE WATER AND WOULD BE AFFECTED BY A BARRIER AND THE SUFFICIENT SOLES ARE SIGNIFICANTLY SMALLER THAN THE APPARENT OPENING SIZE OF THE FABRIC.
6. IF SOIL STABILIZERS ARE STORED ONSITE, THEY SHALL BE CONFINED IN HAZARDOUS MATERIALS AND SHALL BE MANAGED ACCORDING TO THE CRITERIA OF CHEMICAL MANAGEMENT TO CAPTURE ANY ACCIDENTAL LEAK OR CHEMICAL OVERFLOW.
7. THE CONTRACTOR SHALL INSTALL BARRIERS TO ALL INLETS AND OPENINGS CONNECTED TO THE STORM SEWER SYSTEM TO PREVENT LEAK FROM ENTERING THE MS4 SYSTEM.

SANDBLASTING WASTE NOTES

1. THE CONTRACTOR SHOULD BE REQUIRED TO DESIGNATE THE SITE SUPERVISOR, FORMER, OR OTHER PERSON WHO IS RESPONSIBLE FOR SANDBLASTING TO ALSO BE RESPONSIBLE FOR SANDBLASTING WASTE MANAGEMENT.
2. MINIMIZE THE DISCHARGE OF SANDBLASTING WASTE.
3. USE ONLY NON-RECYCLABLE, SANDBLASTING MEDIA.
4. USE APPROPRIATE EQUIPMENT FOR THE JOB, DO NOT OVER-BLAST.
5. WHENEVER POSSIBLE, BLAST IN A DOWNWIND DIRECTION.
6. CEASE BLASTING ACTIVITIES IN HIGH WINDS OR IF WIND DIRECTION COULD TRANSPORT DUST TO DRAINAGE FACILITIES.
7. INSTALL DUST SHIELDING AROUND SANDBLASTING AREAS.
8. COLLECT AND DEPOSE OF ALL SPENT SANDBLASTING GRIE USE DUST CONTAINMENT FABRICS AND DUST COLLECTION HOPPERS AND BARRELS.
9. NON-HAZARDOUS SANDBLASTING GRIE MAY BE DISPOSED IN PERMITTED CONSTRUCTION DEBRIS LANDFILLS OR PERMITTED SANITARY LANDFILLS.
10. IF SANDBLASTING MEDIA CANNOT BE FULLY CONTAINED, CONSTRUCT DECONTAMINATION BARRIERS FROM BLASTING AREA WHERE APPROPRIATE.
11. USE SAND FENCING WHERE APPROPRIATE IN AREAS WHERE BLAST MEDIA CANNOT BE FULLY CONTAINED.
12. IF NECESSARY, INSTALL MISTING EQUIPMENT TO REMOVE SANDBLAST GRIE FROM THE AIR PREVENT RUNOFF FROM MISTING OPERATIONS FROM ENTERING DRAINAGE SYSTEMS.
13. USE MEDIUM GRIE COLLECTION SYSTEMS WHERE POSSIBLE.
14. KEEP RECORDS OF SANDBLASTING MATERIALS, PROCEDURES, AND WEATHER CONDITIONS ON A DAILY BASIS.
15. TAKE ALL REASONABLE PRECAUTIONS TO ENSURE THAT SANDBLASTING GRIE IS CONTAINED AND NOT LEFT AWAY FROM DRAINAGE STRUCTURES.
16. SAND BLASTING MEDIA SHOULD ALWAYS BE STORED UNDER COVER AWAY FROM DRAINAGE STRUCTURES.
17. EQUIPMENT THAT STORED NEAR OR ON GRIE IS NOT SUBJECT TO TRANSPORT BY WIND.
18. ENSURE THAT ALL SANDBLASTING EQUIPMENT AND STORAGE CONTAINERS COMPLY WITH CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS. CAPTURE AND TREAT RUNOFF, WHICH COMES INTO CONTACT WITH SANDBLASTING MATERIALS OR WASTE.

BENCHMARK:

BENCHMARK PUBLISHED ELEVATION - 70.14'
CITY OF SUGAR LAND REFERENCE MARK NUMBER
SGR-1, BEING A BRASS DISK STAMPED "70.014"
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 AVONON DRIVE APPROX. 250
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 AVONON 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: *LJA*

DEVELOPMENT COORDINATOR

DATE: 8/1/17

DATE	REVISION	BY



CITY OF SUGARLAND, TEXAS

ENGINEERING DEPARTMENT

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

EROSION CONTROL NOTES

LJA Engineering, Inc.

2928 Briarport Drive
Suite 600
Houston, Texas 77042

Phone 713.953.5200
Fax 713.953.5200
FRN-1306

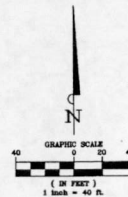
LJA PROJECT NO.: 2423-1601P

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

SCALE: SHEET NO. 5 OF 15



8/1/17

[illegible]

BENCHMARK "A" PUBLISHED ELEVATION = 70.14'
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', 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)

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

[illegible]

CITY OF SUGARLAND, TEXAS
ENGINEERING DEPARTMENT

FORT PEND, TEXAS

SHOPS IN RIVERSTONE

OVERALL SITE
PLAN

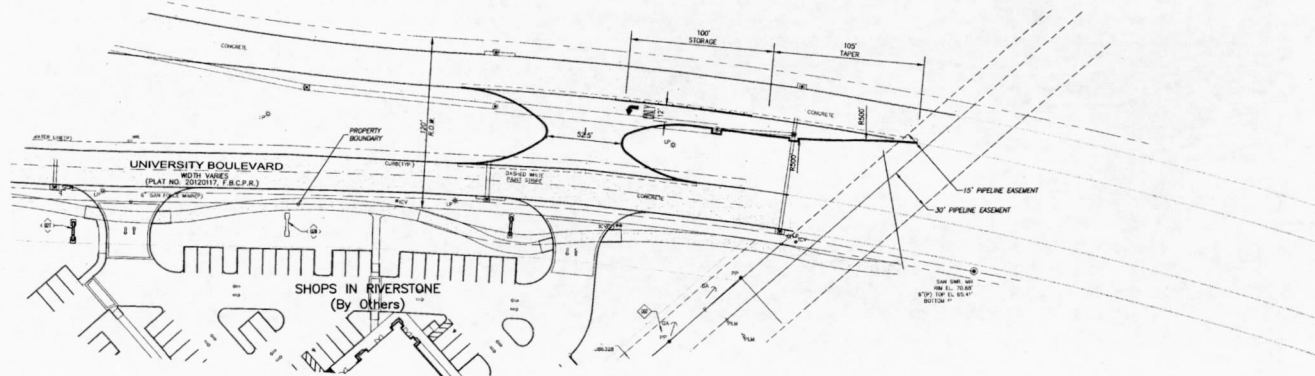
LJA Engineering, Inc.

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

LJA PROJECT NO.: 2423-1601P

DESIGNED BY: JRP	DRAWN BY: JRP/MMB	DATE: AUG 2017
SCALE:		
HORIZ: 1"=40'	SHEET NO. 6	OF 15

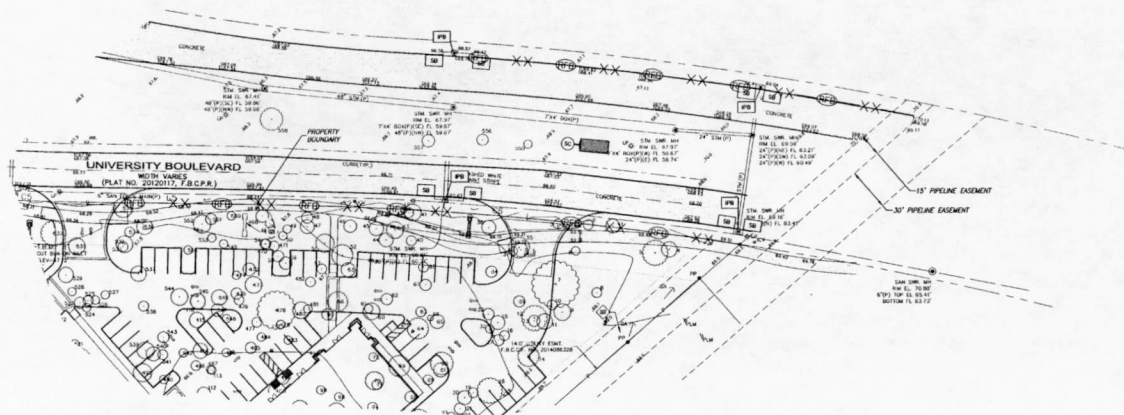
CAUTION
EXISTING GAS
LINES

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SHOPS IN RIVERSTONE - JOB NO. 2423-1601P



NOTES:

- FOR STORMWATER POLLUTION PREVENTION PLAN DETAILS, REF. SHEET 012.
- FILTER FABRIC FENCE SHALL BE INSTALLED ON SITE AS INDICATED ON PLAN PRIOR TO CONSTRUCTION.

EROSION AND SEDIMENT CONTROLS

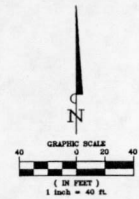
- SEDIMENT WILL BE RETAINED ON SITE TO THE MAXIMUM EXTENT PRACTICABLE.
- CONTROL MEASURE WILL BE PROPERLY SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICE. IF DAMAGED OR RENDERED INEFFECTIVE, THE EROSION AND SEDIMENT CONTROLS WILL BE REPAIRED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

MAINTENANCE

- EROSION AND SEDIMENT CONTROL MEASURES THAT HAVE BEEN IMPROPERLY INSTALLED OR HAVE BEEN DAMAGED, NON-OVER REPAIRED OR OTHERWISE RENDERED INEFFECTIVE MUST BE REPLACED OR CORRECTED IMMEDIATELY.
- MAINTENANCE AND REPAIRS WILL BE CONDUCTED WITHIN 24 HOURS OF INSPECTOR REPORT.

LEGEND

- ROCK FILTER DAM --- (RFD) ---
- STABILIZED CONSTRUCTION ACCESS --- (SCA) ---
- INLET PROTECTION BARRIER --- (IPB) ---
- SAND BAG BERM --- (SBB) ---
- FILTER FABRIC FENCE --- (FFF) ---



BENCHMARK:
PUBLISHED ELEVATION - 70.14'
CITY OF SUGAR LAND REFERENCE MARK NUMBER SGR-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. 70.14', NAVD83, 2001 ADJUSTMENT.

TEMPORARY BENCHMARK "A" ELEVATION - 68.72'
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 "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: *[Signature]*
DEVELOPMENT COORDINATOR

DATE: 8/14/17

DATE	REVISION	BY



CITY OF SUGARLAND, TEXAS
ENGINEERING DEPARTMENT

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

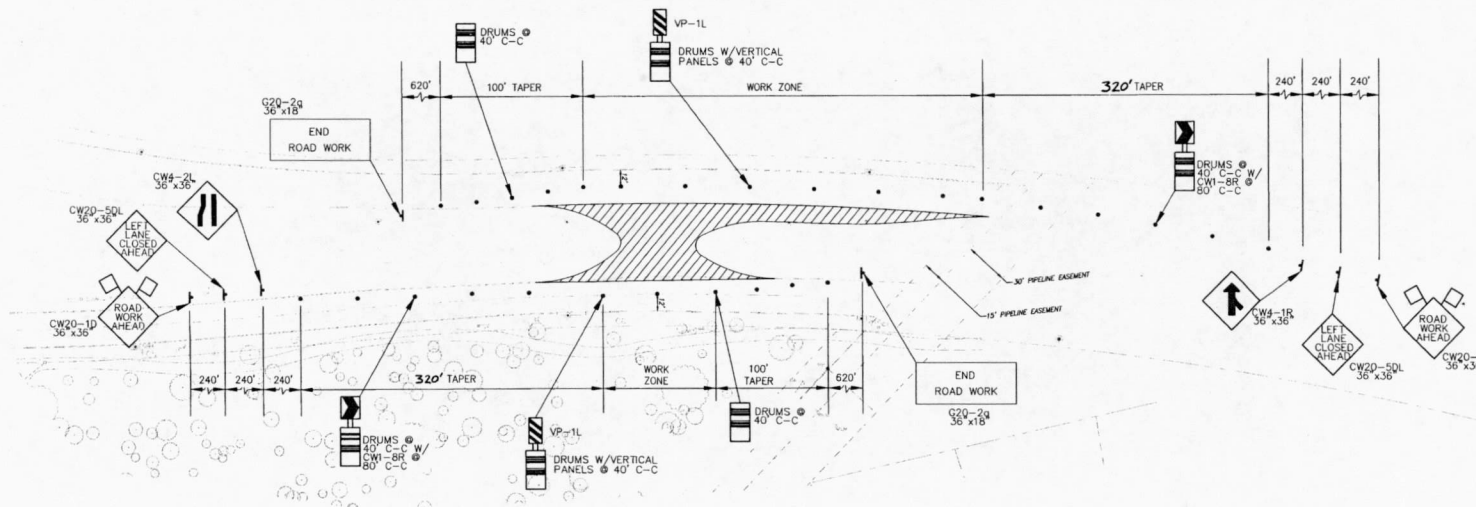
EROSION CONTROL
PLAN

LJA Engineering, Inc.
2029 Briarpark Drive Suite 600 Houston, Texas 77062
Phone 713.953.5200 Fax 713.953.5026 FIRM-P-1388

LJA PROJECT NO.: 2423-1601P

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



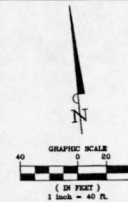


UNIVERSITY BLVD. (R.O.W. VARIES)

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

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

UNIVERSITY BLVD.
 EXISTING SPEED
 LIMIT 40 MPH



BENCHMARKS:
BENCHMARK: PUBLISHED ELEVATION - 70.14'
 CITY OF SUGAR LAND REFERENCE MARK NUMBER
 SGR-1, BEING A BRASS DISK STAMPED "TM 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 - 66.75'
 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)

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CONTRACTOR: _____ DATE: _____

TITLE: _____

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]*

DEVELOPMENT COORDINATOR

DATE: 8/14/17

DATE: _____ REVISION: _____ BY: _____



CITY OF SUGARLAND, TEXAS
 ENGINEERING DEPARTMENT

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

TRAFFIC CONTROL
 PLAN

LJA Engineering, Inc.

2009 Briarpark Drive Phone 713.953.5200

Suite 600 Fax 713.953.5206

Houston, Texas 77042 FSN: F-1386

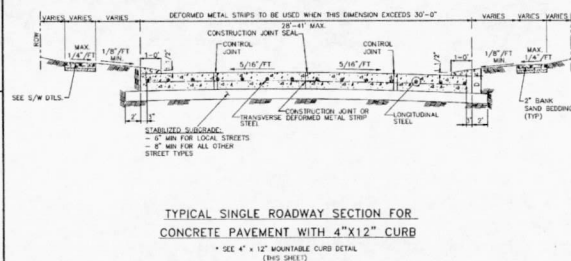
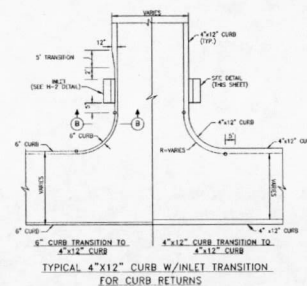
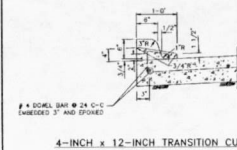
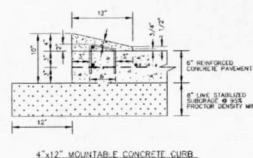
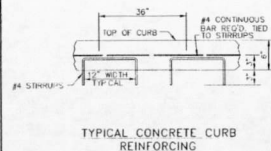
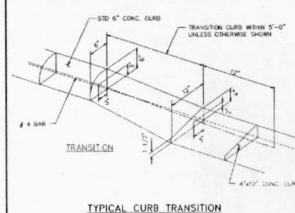
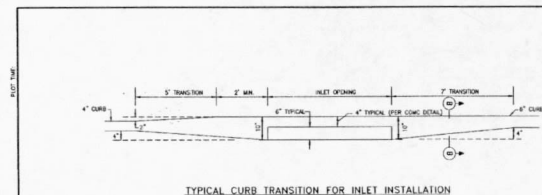
LJA PROJECT NO.: 2423-1601P

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

SCALE: 1"=40'

SHEET NO. 9 OF 15





- CONSTRUCTION NOTES:

6. INCH, 5.5 SACK CEMENT PER CUBIC YARD CONCRETE, 3500 PSI
REINFORCED CONCRETE WITH #4 BARS IN HOLES - C.W. IS TO
BE REINFORCED WITH #4 BARS, ACCEPTABLE PAVEMENT.
7. INCH, 5.5 SACK CEMENT PER CUBIC YARD CONCRETE, 3500 PSI
REINFORCED CONCRETE WITH #4 BARS IN HOLES - C.W. IS TO
BE REINFORCED WITH #4 BARS, ACCEPTABLE PAVEMENT FOR COLLECTOR STREETS.
8. EIGHT (8) INCH, 5.5 SACK, 3500 PSI OR 28 DAYS, REINFORCED WITH
#4 BARS, C.W. IS TO BE REINFORCED WITH #4 BARS, ACCEPTABLE FOR ARTERIAL STREETS.
9. TRANSVERSE JOINTS JOINTS JOINTS SHALL BE PLACED AT ALL POINTS OF
INTERSECTION OF TANGENCY AND ALL INTERSECTION CURBS RETURN POINTS
MAXIMUM SPACING SHALL BE 200' AND SHALL CONFORM TO TYPICAL
SECTION 4-33.01, AASHTO 1993.
10. TRANSVERSE JOINTS JOINTS JOINTS ARE REQUIRED AT MAXIMUM SPACING OF
200 FEET. JOINTS SHALL BE REINFORCED WITH #4 BARS. JOINTS SHALL
SLANT AT 45° TO 1190-74 OR AGRIOT-7450 FOR PAVEMENT #6 THICK AND
GREATER. (ELASTOMERIC JOINT NOT FURNISHED)
11. PAVEMENT FINISH SHALL BE HARDER BROWNS FINISH, CURING COMPOUND
APPLIED.
12. STORM WATER POLLUTION PREVENTION SHALL BE DESIGNED, CONSTRUCTED,
MAINTAINED AND MONITORED TO PREVENT POLLUTION OF THE STORM WATER
DRAINAGE MANUAL OF THE CITY OF SUGAR LAND.
13. INSTALLABLE SLOPE SHALL BE EXPOSED AND REPAIRED WITH CEMENT
STABILIZED SAND.
14. USABLE 1/2" REDWOOD STAKES FOR MARKERS.
15. EDGE ALL SIDES WITH EDGING TOOL.
16. JOWEL SHALL BE 3/4" DANGER, WITH MINIMUM 8" ACCEPTANCE (BOTH SIDES).
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF SUGAR LAND
OF ANY BIDDING PROBLEMS PRIOR TO CONSTRUCTION OF BIDDING.
18. REFER TO GENERAL, C.S.D. AND PREIDENT NOTES.
19. 10 LBS. OF COMPOUND POLYPROPYLENE FIBER (MESH PER C/Y IN #X12
FORM) REQUIRED.

BENCHMARK:

BENCHMARK PUBLISHED ELEVATION - 70.14'
CITY OF SUGAR LAND REFERENCE MARK NUMBER
SGR-1, BEING A BRASS DISK STAMPED "RM 001"
LOCATED ON A MEDIAN ON ELKINS RD APPROX.
1.15 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. 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: 
DEVELOPMENT COORDINATOR

DATE: 8/16/17

DATE	REVISION
------	----------

CITY OF SUGARLAND, TEXAS
ENGINEERING DEPARTMENT

FORT BEND, TEXAS

SHOPS IN RIVERSTONE

PAVEMENT DETAILS
1 OF 2

LJA Engineering, Inc.

2929 Briarpark Drive Phone 713.953.52
Suite 600 Fax 713.953.50
Houston, Texas 77042 FRN - F-13

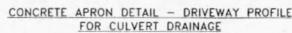
LJA PROJECT NO.: 2423-1601F

DESIGNED BY:	DRAWN BY:	DATE:
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JRP	JRP/MMB	AUG 2017
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SCALE:			
HORZ:	VERT:	SHEET NO.	10 of 1

5 4 00 26 86 CHOPS IN RIVERSTONE - JOB NO. 2423-1601P



SL-ST-49



DRIVEWAY PAVEMENT CONSTRUCTION TABLE



