



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

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

☐

Right of Way Permit

☒

Commercial Driveway Permit

Permit No: 2017-15829

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:

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- 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: \$5,000.00

☐

Cashier's Check

Check No: _____

Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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

Charles O. Ay

Permit Administrator

10/13/2017

Date

Effective Date: September 12th, 2017

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

BOND NO. [REDACTED]

THE STATE OF TEXAS §
COUNTY OF FORT BEND §

KNOW ALL MEN BY THESE PRESENTS:

THAT WE, JEM Field Services, LLC
whose (address, phone) is 16502 Old Coach Rd, Magnolia, TX 77355

(281) 253-6029 Texas,

hereinafter called the Principal, and WESTERN SURETY COMPANY, a Corporation existing under and by virtue of the laws of the state of South Dakota and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at (name/address/phone) P.O. Box 5077, Sioux Falls, SD 57117-5077, (605) 336-0850, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Cravens/Warren & Company and whose address is P. O. Box 41328, Houston, TX 77241-1328

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 00/100 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;

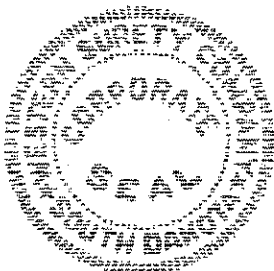
AND WHEREAS, the principal desires to provide Fort Bend County with a performance bond covering all such cable, conduit and/or pole line activity, commercial driveway and median openings or modifications;

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 12th day of September, 2017



PRINCIPAL

BY

Prince Bahannon

WESTERN SURETY COMPANY
SURETY

BY

Paul T. Bruflat
Paul T. Bruflat Vice President

Western Surety Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That WESTERN SURETY COMPANY, a corporation organized and existing under the laws of the State of South Dakota, and authorized and licensed to do business in the States of Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming, and the United States of America, does hereby make, constitute and appoint

Paul T. Bruflat of Sioux Falls,
State of South Dakota, its regularly elected Vice President,
as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, the following bond:

Cable, Conduit and/or Pole line Activity in, under, across or along County Roads County
One of Fort Bend

bond with bond number

for JEM Field Services, LLC

as Principal in the penalty amount not to exceed: \$ 5,000.00

Western Surety Company further certifies that the following is a true and exact copy of Section 7 of the by-laws of Western Surety Company duly adopted and now in force, to-wit:

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

In Witness Whereof, the said WESTERN SURETY COMPANY has caused these presents to be executed by its
Vice President with the corporate seal affixed this 12th day of September,
2017.

ATTEST

L. Nelson

L. Nelson, Assistant Secretary

WESTERN SURETY COMPANY

By

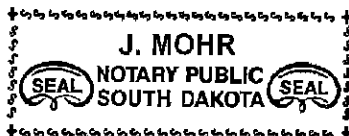
Paul T. Bruflat

Paul T. Bruflat, Vice President

STATE OF SOUTH DAKOTA }
COUNTY OF MINNEHAHA } ss

On this 12th day of September, 2017, before me, a Notary Public, personally appeared
Paul T. Bruflat and L. Nelson

who, being by me duly sworn, acknowledged that they signed the above Power of Attorney as Vice President
and Assistant Secretary, respectively, of the said WESTERN SURETY COMPANY, and acknowledged said instrument to be the
voluntary act and deed of said Corporation.



My Commission Expires June 23, 2021

J. Mohr

Notary Public

To validate bond authenticity, go to www.cnasurety.com > Owner/Obligee Services > Validate Bond Coverage.



Figure: 28 TAC 01.601(a)(3)

IMPORTANT NOTICE

1 To obtain information or make a complaint:

2 You may contact Western Surety Company, Surety Bonding Company of America or Universal Surety of America at 605-336-0850.

3 You may call Western Surety Company's, Surety Bonding Company of America's or Universal Surety of America's toll-free telephone number for information or to make a complaint at:

1-800-331-6053

4 You may also write to Western Surety Company, Surety Bonding Company of America or Universal Surety of America at:

P.O. Box 5077
Sioux Falls, SD 57117-5077

5 You may contact the Texas Department of Insurance to obtain information on companies, coverages, rights or complaints at:

1-800-252-3439

6 You may write the Texas Department of Insurance:

P.O. Box 149104
Austin, TX 78714-9104
Fax: (512) 490-1007
Web: www.tdi.texas.gov
E-Mail: ConsumerProtection@tdi.texas.gov

7 PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim, you should contact Western Surety Company, Surety Bonding Company of America or Universal Surety of America first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

8 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:

Puede comunicarse con Western Surety Company, Surety Bonding Company of America o Universal Surety of America al 605-336-0850.

Usted puede llamar al numero de telefono gratis de Western Surety Company's, Surety Bonding Company of America's o Universal Surety of America's para informacion o para someter una queja al:

1-800-331-6053

Usted tambien puede escribir a Western Surety Company, Surety Bonding Company of America o Universal Surety of America:

P.O. Box 5077
Sioux Falls, SD 57117-5077

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:

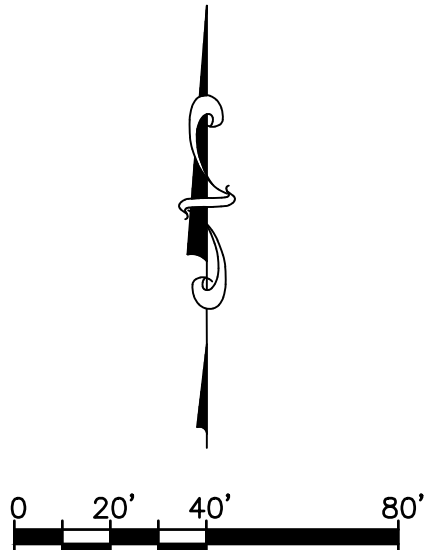
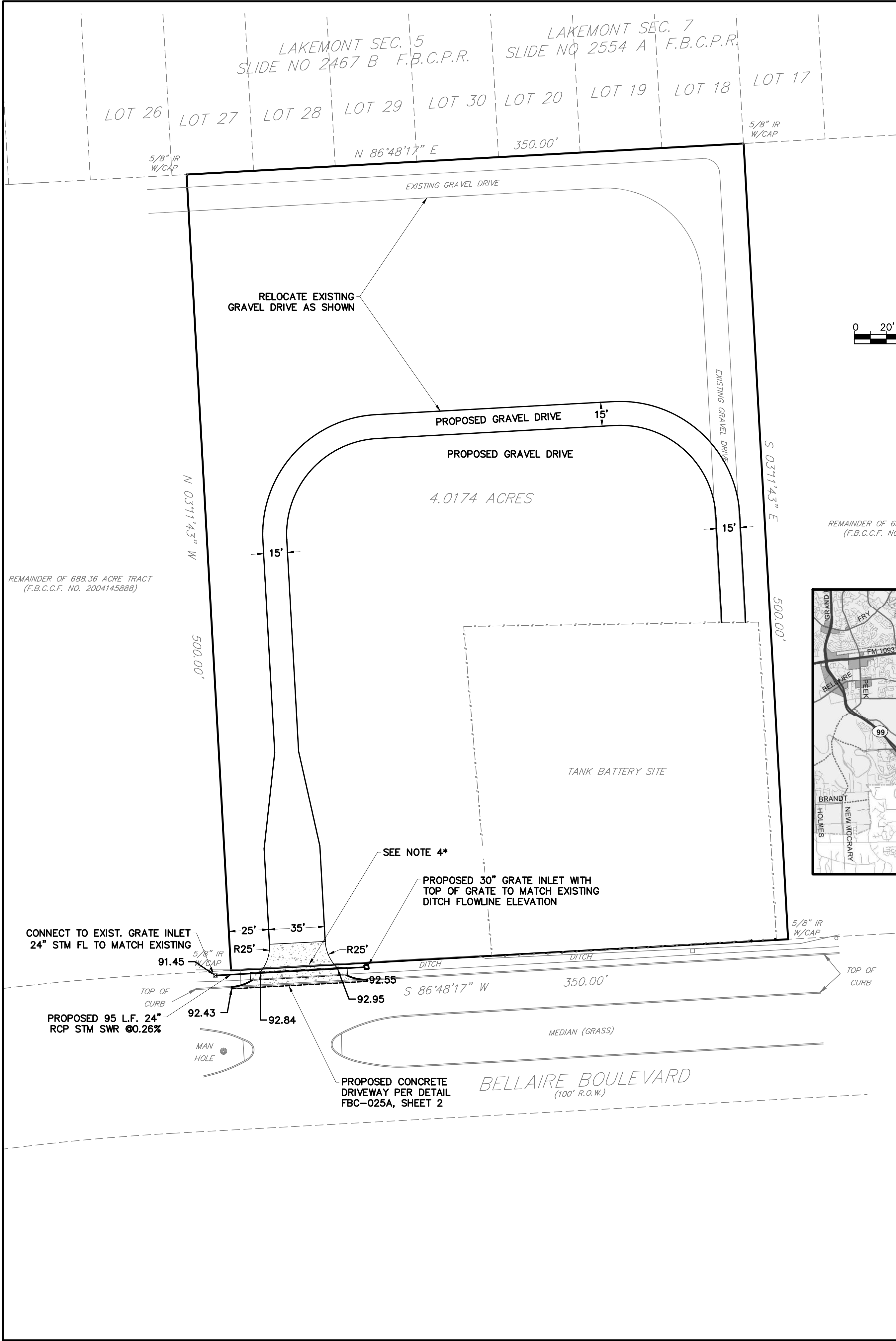
P.O. Box 149104
Austin, TX 78714-9104
Fax: (512) 490-1007
Web: www.tdi.texas.gov
E-Mail: ConsumerProtection@tdi.texas.gov

DISPUTAS SOBRE PRIMAS O RECLAMOS:

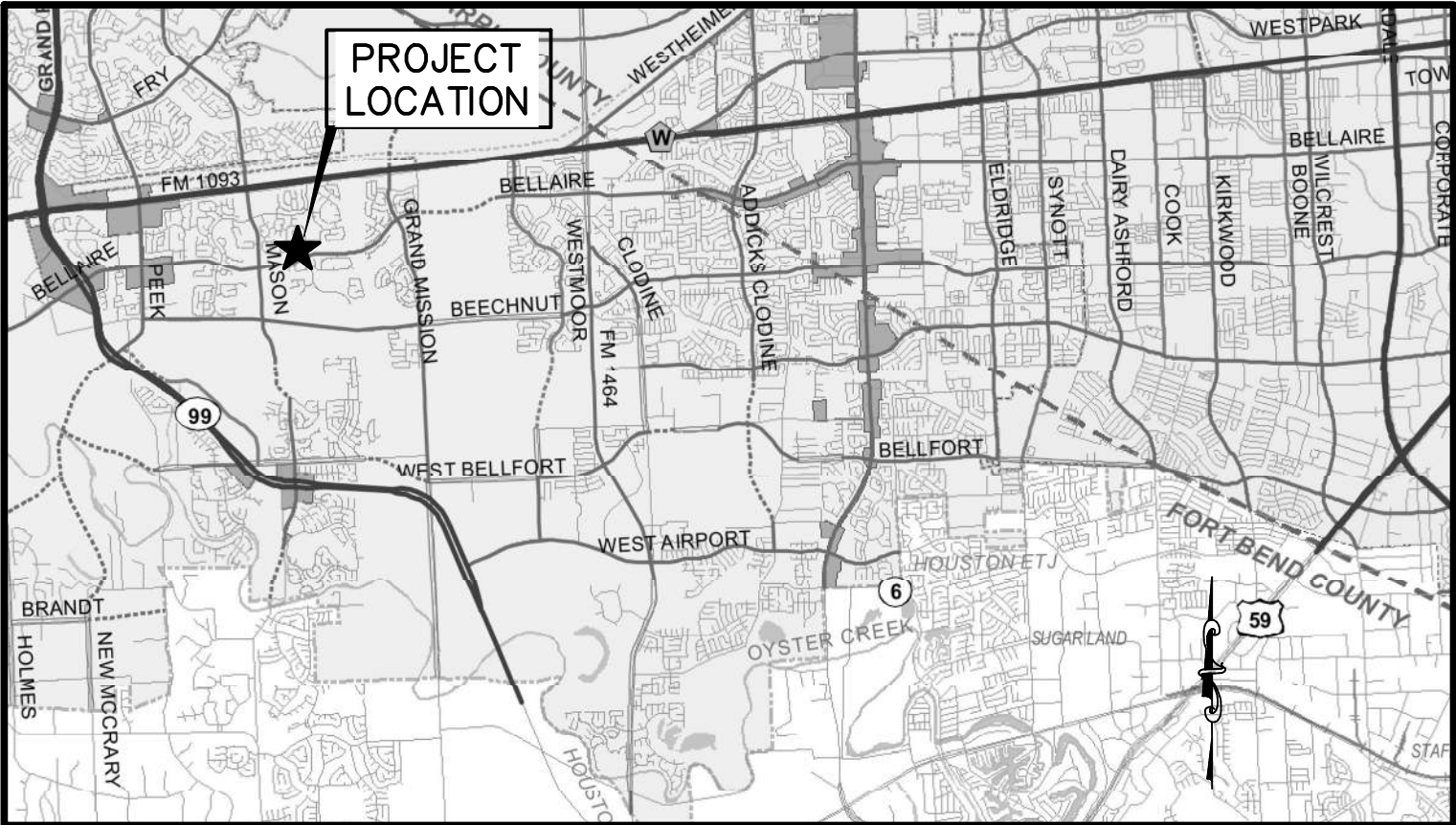
Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el Western Surety Company, Surety Bonding Company of America o Universal Surety of America primero. Si no se resuelve la disputa, puede entonces comunicarse con el departamento (TDI).

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.

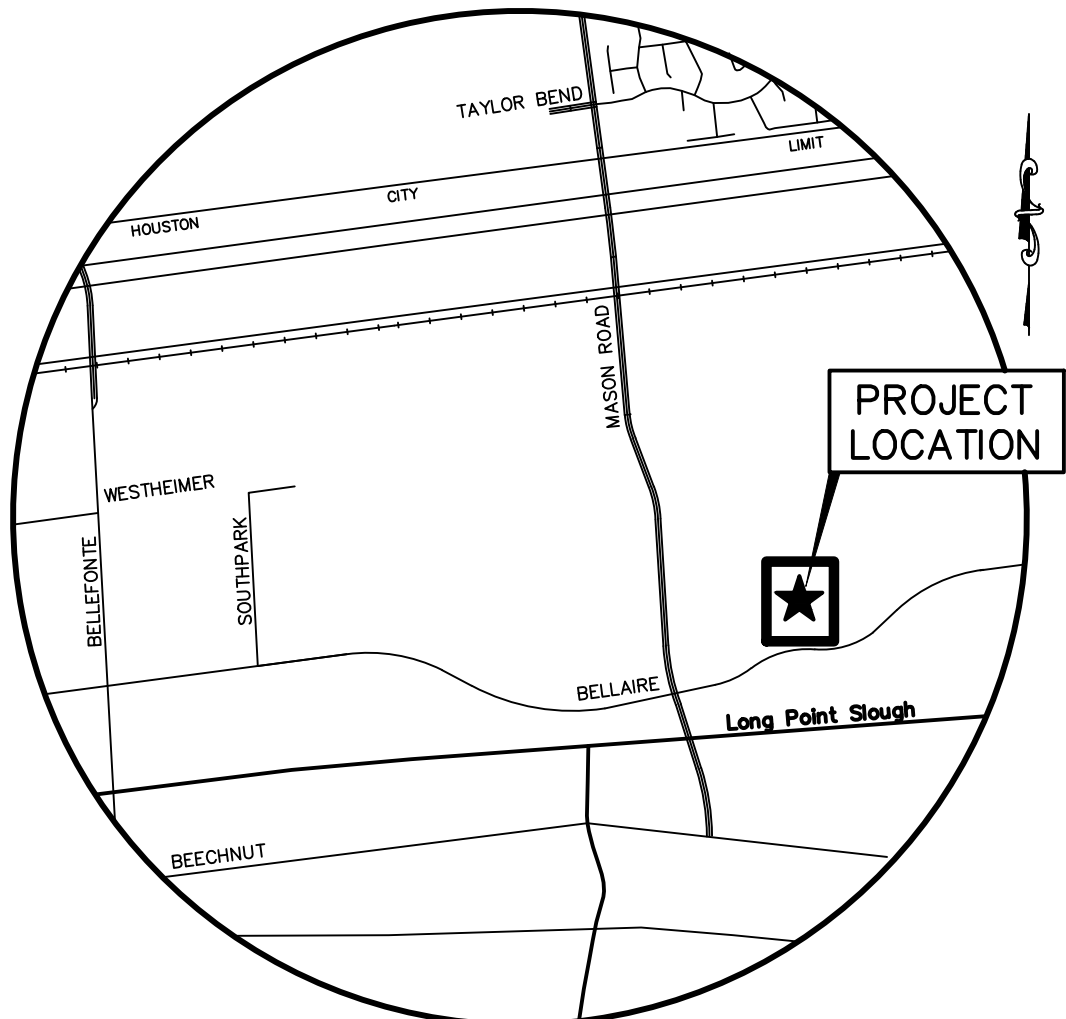
L:\230121 - jem field services\70000121 - bellaire blvd driveway\CADD\Drawings\001-C-SPLAY.dwg - Layout1 Plotted Sep 13, 2017 at 2:36pm by SBL/SSIT | Last Saved by: SBL/SSIT



REMAINDER OF 688.36 ACRE TRACT (F.B.C.C.F. NO. 2004145888)



LOCATION MAP



VICINITY MAP
SCALE: 1" = 2000'
KEY MAP # 526J

GENERAL

- THE CONTRACTOR SHALL FIELD VERIFY ALL BENCHMARKS AND ELEVATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT ANY DISCREPANCY TO THE ENGINEER IMMEDIATELY. IF NO VERIFICATION IS MADE, CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR SURVEY INFORMATION.
- THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE PLANS AND WHAT EXISTS IN THE FIELD, CONTRACTOR IS TO NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY.
- EXISTING UTILITY INFORMATION SHOWN IS NOT GUARANTEED TO BE ACCURATE AND ALL INCLUSIVE. ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL VERIFY THE INVERT, AND/OR FLOW LINE ELEVATIONS OF POINTS OF CONNECTIONS PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND OTHER FACILITIES. ANY CONFLICT OR DISCREPANCY DISCOVERED MUST IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION.
- CONTRACTOR SHALL NOTIFY TEXAS ONE CALL AT (800) 245-4545/611 A MINIMUM OF 48 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION.
- THE CONTRACTOR PERFORMING THE WORK SHALL UNCOVER (WHEN AND WHERE POSSIBLE) EXISTING UTILITIES AT ALL "POINTS OF CROSSING" TO DETERMINE IF ANY CONFLICTS EXIST BEFORE COMMENCING ANY CONSTRUCTION. NOTIFY THE ENGINEER AT ONCE OF ANY CONFLICT. SIGNIFICANT DESIGN AND/OR LOCATION CHANGES MAY REQUIRE REVISION OF THESE PLANS BY THE ENGINEER.
- THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE LATEST EDITION OF THE O.S.H.A. REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER, WASTEWATER, STORM WATER LINES AND TRAFFIC CONTROL DEVICES. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S "STANDARD CONSTRUCTION SPECIFICATIONS" REFERENCED ABOVE, OR OWNING AGENCY STANDARD, AT NO COST TO OWNER.
- THE CONTRACTOR PERFORMING THE WORK SHALL BE LIABLE FOR ALL LEGAL ACTIONS RESULTING FROM THE CONSTRUCTION ACTIVITY IN THE VICINITY OF THIS PROJECT AND BY ACCEPTING THESE PLANS, AGREES TO HOLD THE OWNER, ARCHITECT, AND ENGINEER HARMLESS FROM ANY CLAIMS OR DAMAGES RESULTING FROM THIS WORK.
- ANY DAMAGE TO ANY OF THE EXISTING PAVEMENT AND/OR UTILITIES MUST BE REPAIRED IMMEDIATELY. THE CONTRACTOR MUST NOTIFY THE APPROPRIATE UTILITY OWNER, WHO WILL MAKE THE REPAIRS AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHIPPING OF ALL MATERIALS. THE LOADING AND UNLOADING OF ALL PIPE, VALVES, HYDRANTS, MANHOLES AND OTHER ACCESSORIES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDED PRACTICES AND SHALL BE AT ALL TIMES PERFORMED WITH CARE TO AVOID ANY DAMAGE TO THE MATERIAL. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO EXAMINE SUCH MATERIAL AT THE POINT OF DELIVERY AND TO REJECT ALL DEFECTIVE MATERIAL. THE DEFECTIVE MATERIAL MUST BE REPLACED WITH SOUND MATERIAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STORAGE OF MATERIAL AND EQUIPMENT IN A SAFE AND WORKMANLIKE MANNER TO PREVENT INJURIES OR THEFT, DURING AND AFTER WORKING HOURS UNTIL PROJECT COMPLETION. THERE SHALL BE NO PAYMENT MADE TO CONTRACTOR FOR STORED MATERIAL OR THEFT OF MATERIALS.
- THE WORK AREA SHALL BE BARRICADED AND ILLUMINATED DURING DARKNESS AND PERIODS OF INACTIVITY, WHEN IN AN AREA OF DIRECT PUBLIC ACCESS.
- GUIDELINES SET FORTH IN THE TEXAS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AS CURRENTLY AMENDED, SHALL BE OBSERVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FLAG MEN, SIGNING, STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION - BOTH DAY AND NIGHT. CONTRACTOR SHALL PROVIDE HIS/HER OWN TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE LATEST EDITION TMUTCD FOR ANY AND ALL LANE CLOSURES OR TRAFFIC INTERRUPTIONS.
- ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE AND POSITIVE DRAINAGE INCLUDING GROUND WATER AT ALL TIMES DURING CONSTRUCTION OF PROPOSED FACILITIES. NATURAL GROUND ADJACENT TO UTILITY TRENCH EXCAVATION TO BE GRUBBED PRIOR TO REPLACEMENT OF EXCESS TRENCH MATERIAL. NO SEPARATE PAYMENT.
- IN ORDER TO COMPLY WITH TEXAS ACCESSIBILITY STANDARDS, THE CONTRACTOR SHALL ENSURE THAT THE SLOPE OF SIDEWALK AND/OR PAVING WITHIN THE ACCESSIBLE ROUTE DOES NOT EXCEED A LONGITUDINAL SLOPE OF 5%, EXCEPT A.D.A. APPROVED RAMPS, OR A CROSS SLOPE OF 2%. ACCESSIBLE DOORS, LANDINGS AND PARKING SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
- SURFACE RESTORATION: AT THE END OF ALL CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL RESTORE THE EXISTING FACILITIES AND ALL SPOIL MATERIAL, VEGETATION & DEBRIS SHALL BE HAULED AND PROPERLY DISPOSED OF OFF SITE, I.E., THE PROPERTY, SHALL BE MADE EQUAL TO OR BETTER THAN EXISTING SITE CONDITION PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL HYDROMULCH SEED ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN ON ARCHITECTS/LANDSCAPE ARCHITECTS OR CIVIL PLANS.
- CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, THROUGHOUT CONSTRUCTION OF THIS PROJECT, SHALL BE AS GOOD OR BETTER THAN CONDITION PRIOR TO STARTING WORK BY CONTRACTOR. ANY DEBRIS ON THE SURROUNDING ROADWAY NETWORK ORIGINATING FROM THE CONSTRUCTION SITE SHALL BE REMOVED IMMEDIATELY.
- CONTRACTOR SHALL PREPARE A SET OF "AS-BUILT" DRAWINGS SHOWING ANY FIELD CHANGES MADE TO THE APPROVED ENGINEERING PLANS AND SUBMIT TO THE DESIGN CONSULTANT FOR SUBMISSION TO OWNER.
- IF THE CONSTRUCTION DOES NOT BEGIN WITHIN A YEAR AFTER THE PLANS HAVE BEEN APPROVED BY GOVERNING AGENCIES, NEW APPROVALS MUST BE OBTAINED AND LETTERS OF AVAILABILITY MUST BE UPDATED.

TRAFFIC CONTROL NOTES

- CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART IV OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (TEXAS M.U.T.C.D.-LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION.
- NO LANES SHALL BE BLOCKED FROM 7 A.M. TO 9 A.M. AND 4 P.M. TO 6:30 P.M. MONDAY THRU FRIDAY.
- CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND ALLOW NORMAL TRAFFIC FLOW. IF COVERING IS NOT FEASIBLE, USE TRANTEX FR 336 EPX 36" DELINEATOR OR APPROVED EQUAL WITH SHEETING AND BASE EPOXIED TO PAVEMENT NEXT TO EXCAVATION DURING NON-WORKING HOURS.
- APPROVED COPIES OF "TRAFFIC CONTROL PLANS" SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
- IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL PLAN DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS, (S)HE SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALTERNATE PLANS* TO TRAFFIC SECTION OF HCPID FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION.
- THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLARS AND SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. PLANS WILL BECOME A PART OF THE CONTRACT DRAWINGS.

No.	Date	Issue/Revision	App.

SURVEY NOTES:

BOUNDARY AND TOPOGRAPHIC INFORMATION ARE BASED ON THE SURVEY BY FIELD DATA SERVICE INC, DATED AUGUST 15, 2017, INCLUDING THE FOLLOWING:

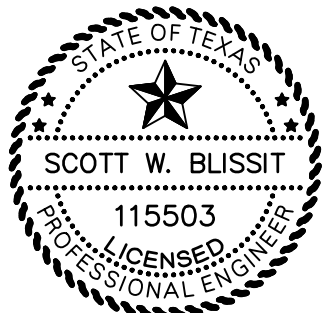
- ACCORDING TO FLOOD INSURANCE RATE MAP NO. 48157C0140L DATED APRIL 2, 2014, THIS SITE IS LOCATED IN UNSHADED ZONE X DEFINED AS "AREAS OUTSIDE THE 1% ANNUAL CHANCE FLOOD".
- BENCHMARK HARRIS COUNTY FLOODPLAIN REFERENCE MARK RM NO. 190015, LOCATED NEAR NE CORNER OF MASON ROAD BRIDGE OVER BUFFALO BAYOU, ELEV. = 101.48 FEET, 2001 ADJUSTMENT.

NOTES

- ALL DIMENSIONS SHOWN ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE SOUTH PROPERTY LINE, BEARING S86°48'17"W UNLESS OTHERWISE NOTED.
- PAVING, JOINT SPACING AND SUBGRADE PREPARATION PER FORT BEND COUNTY DETAIL, FBC-025A ON SHEET 2.
- CONTRACTOR TO COMPLY WITH SECTION 11 OF THE SPECIFICATIONS OUTLINED IN THE FORT BEND COUNTY PERMITS FOR THE CONSTRUCTION OF DRIVEWAYS & CULVERTS ON COUNTY EASEMENTS AND RIGHT OF WAY IN FORTBEND COUNTY WHEN CONSTRUCTING DRIVEWAY AND CULVERT.

LEGEND

- 7" THICK CONCRETE PAVEMENT WITH #3 BARS AT 18" OC, 3500 PSI MIN 28 DAY COMP. STRENGTH



JEM FIELD SERVICES, LLC

BELLAIRE BLVD. DRIVEWAY

SITE PLAN

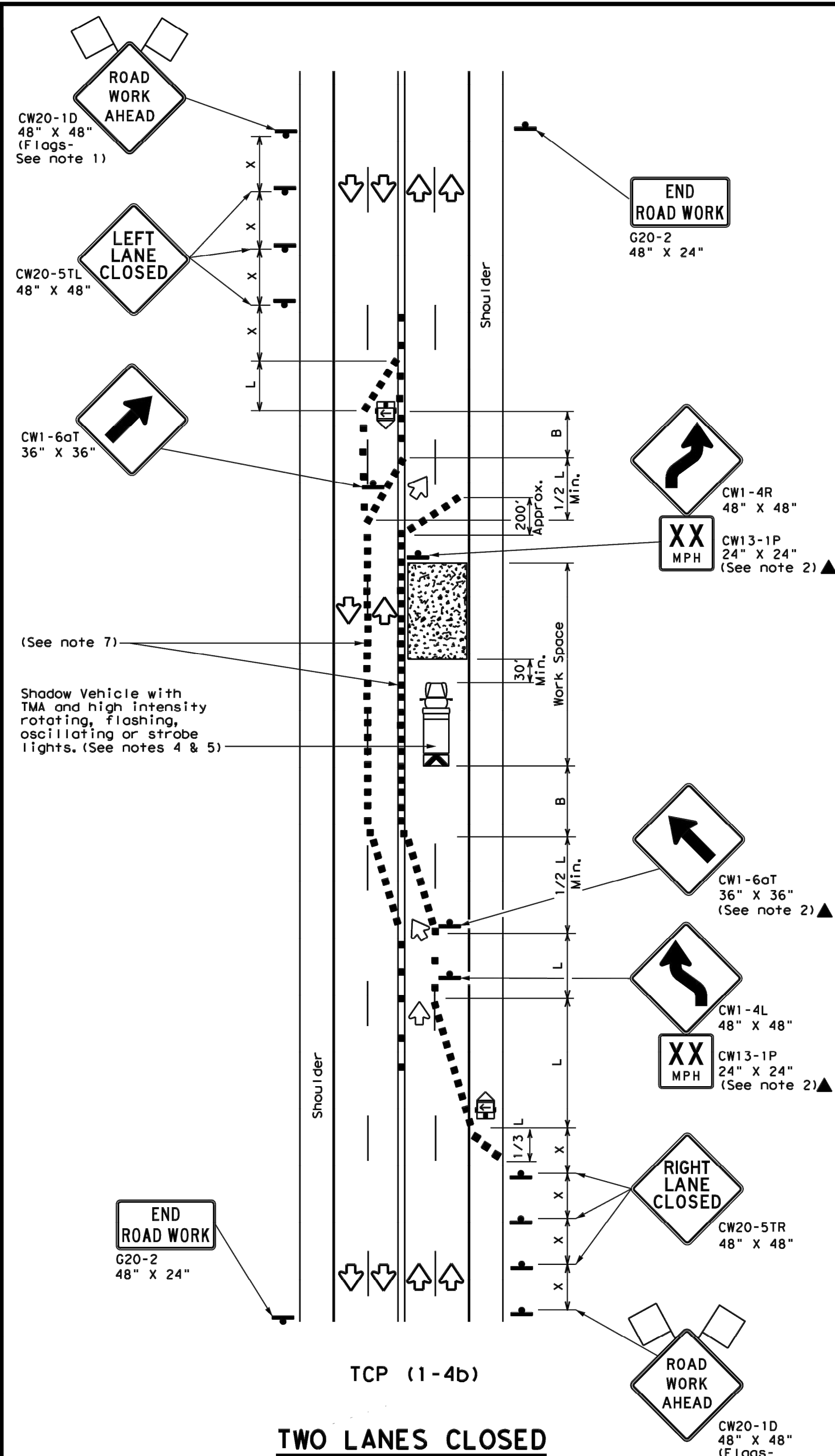
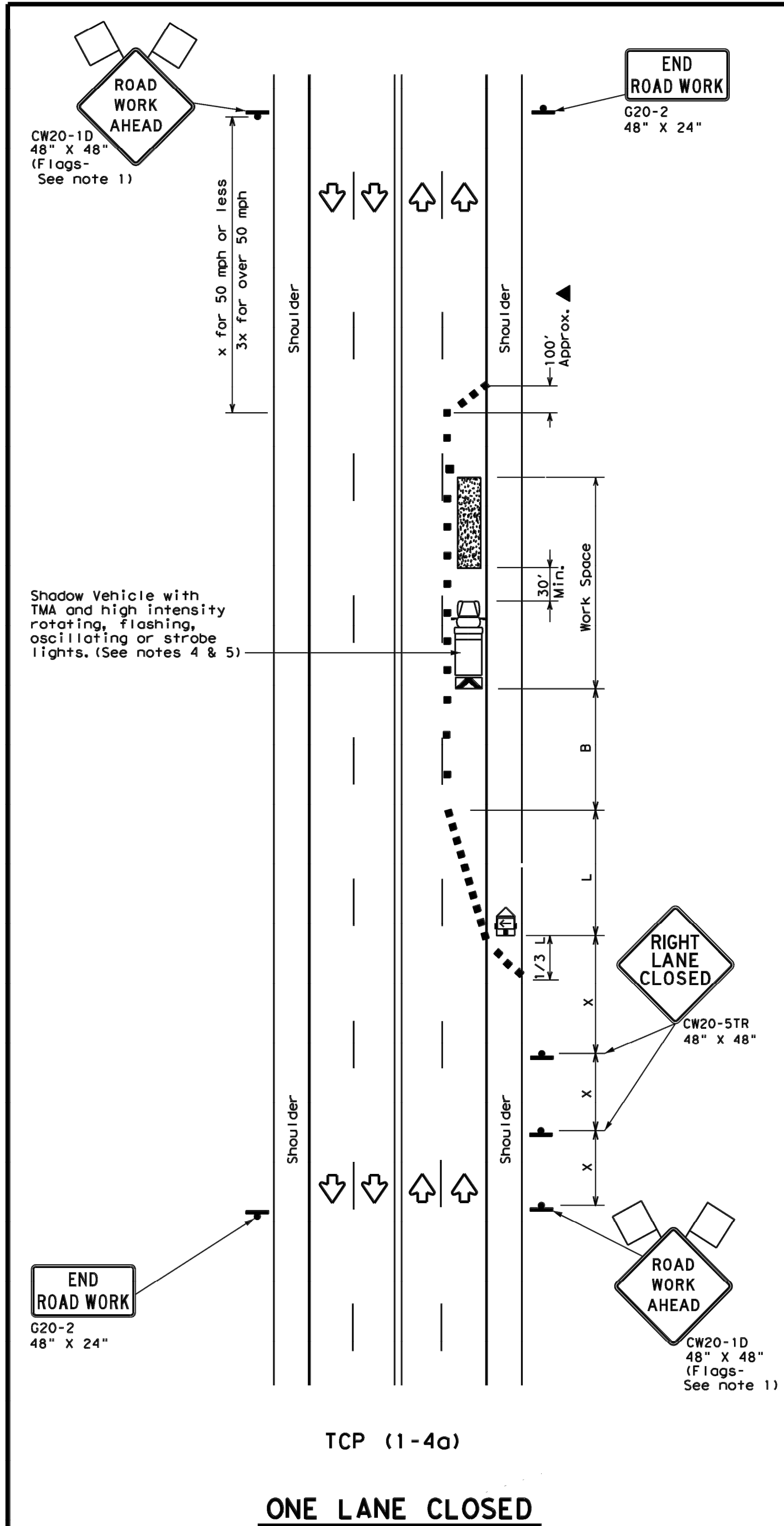
JOB NUMBER: L170000121	SHEET: C.01 of 3
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BELLAIRE BLVD. DRIVEWAY - L170000121

L:\230121 - jem field services\70000121 - bellaire blvd driveway\CADD\Drawings\001C-SPBellaire.dwg - TRAFFIC CONTROL DETAIL BELLAIRE Plotted Sep 07, 2017 at 8:49am by mchancceller | Last Saved by mchancceller

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the use of this standard for other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:



LEGEND					
	Type 3 Barricade		Channelizing Devices		
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)		
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)		
	Sign		Traffic Flow		
	Flag		Flagger		

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	L = WS ² / 60	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L = WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- The CW20-1D "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-4a)

- If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline where needed to protect the work space from opposing traffic with the arrow panel placed in the closed lane near the end of the merging taper.

TCP (1-4b)

- Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2S where S is the speed in mph. This tighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

**TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS**

TCP (1-4) - 12

© TxDOT December 1985	DN1 TxDOT	CK1 TxDOT	DN1 TxDOT	CK1 TxDOT
REVISIONS	CONT	SECT	JOB	HIGHWAY
2-94 2-12				
8-95				
1-97				
4-98				
	DIST	COUNTY	SHEET NO.	

No.	Date	Issue/Revision	App.

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- ALL DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE SOUTH PROPERTY LINE, BEARING S86°48'17"W UNLESS OTHERWISE NOTED.
- PAVING, JOINT SPACING AND SUBGRADE PREPARATION PER FORT BEND COUNTY DETAIL, FBC-025A ON SHEET 2.

9/13/2017

LANDEV
Engineers, Inc.
1704 SEAMIST DRIVE, SUITE 410
HOUSTON, TEXAS 77008
PHONE (713) 869-2402
FAX (713) 869-2401
TBPE REGISTRATION NO. F-4387

JEM FIELD SERVICES, LLC

BELLAIRE BLVD. DRIVEWAY

**TRAFFIC CONTROL DETAIL
(BELLAIRE)**

JOB NUMBER: L170000121	SHEET: C.02 of 3
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BELLAIRE BLVD. DRIVEWAY - L170000121

L:\230121 - jcm field services\70000121 - bellaire blvd driveway\CADD\Drawings\001C-DTPaving.dwg--PAVING DETAILS Plotted Sep 07, 2017 at 8:50am by mchancelor | Last Saved by mchancelor

No.	Date	Issue/Revision	App.

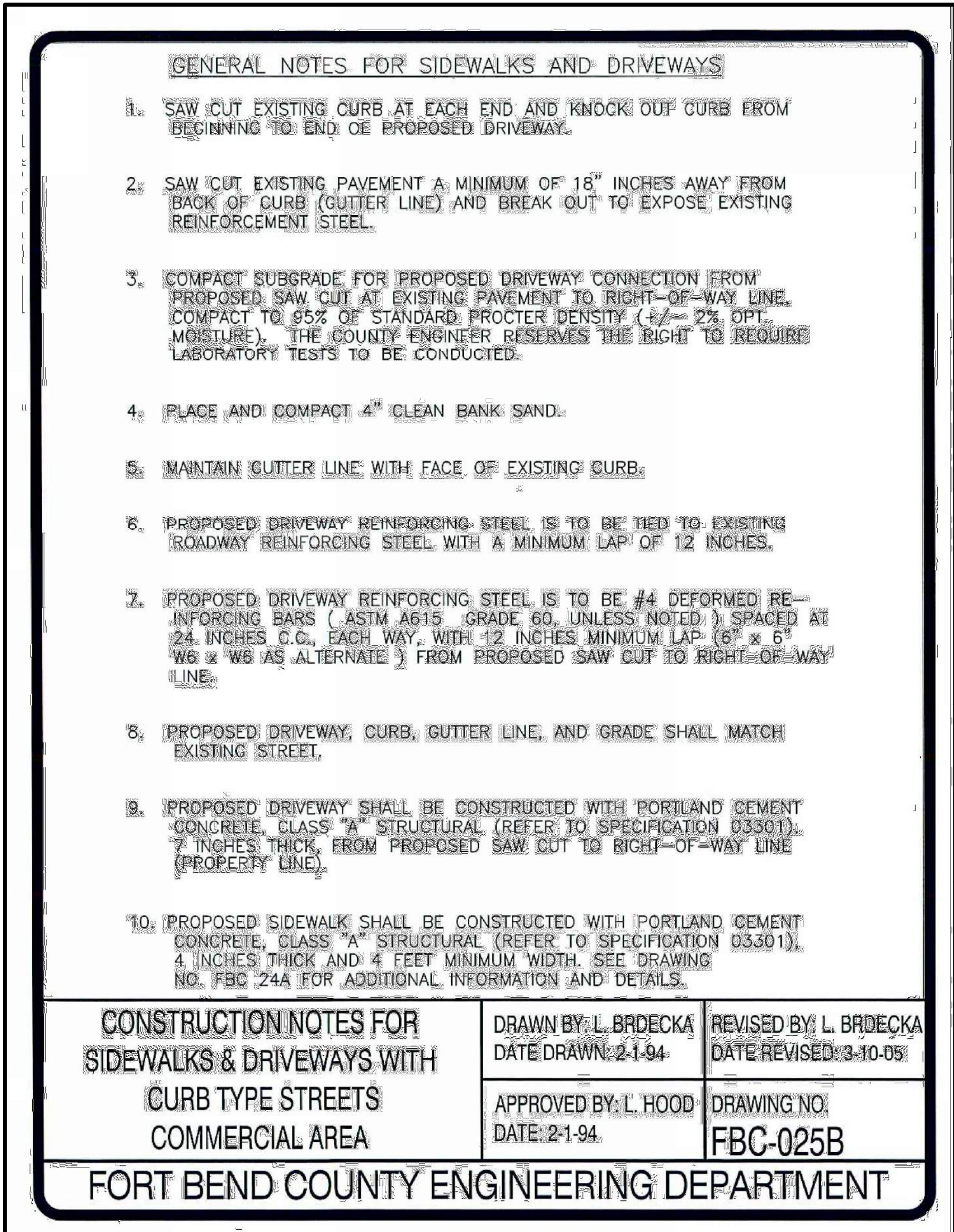
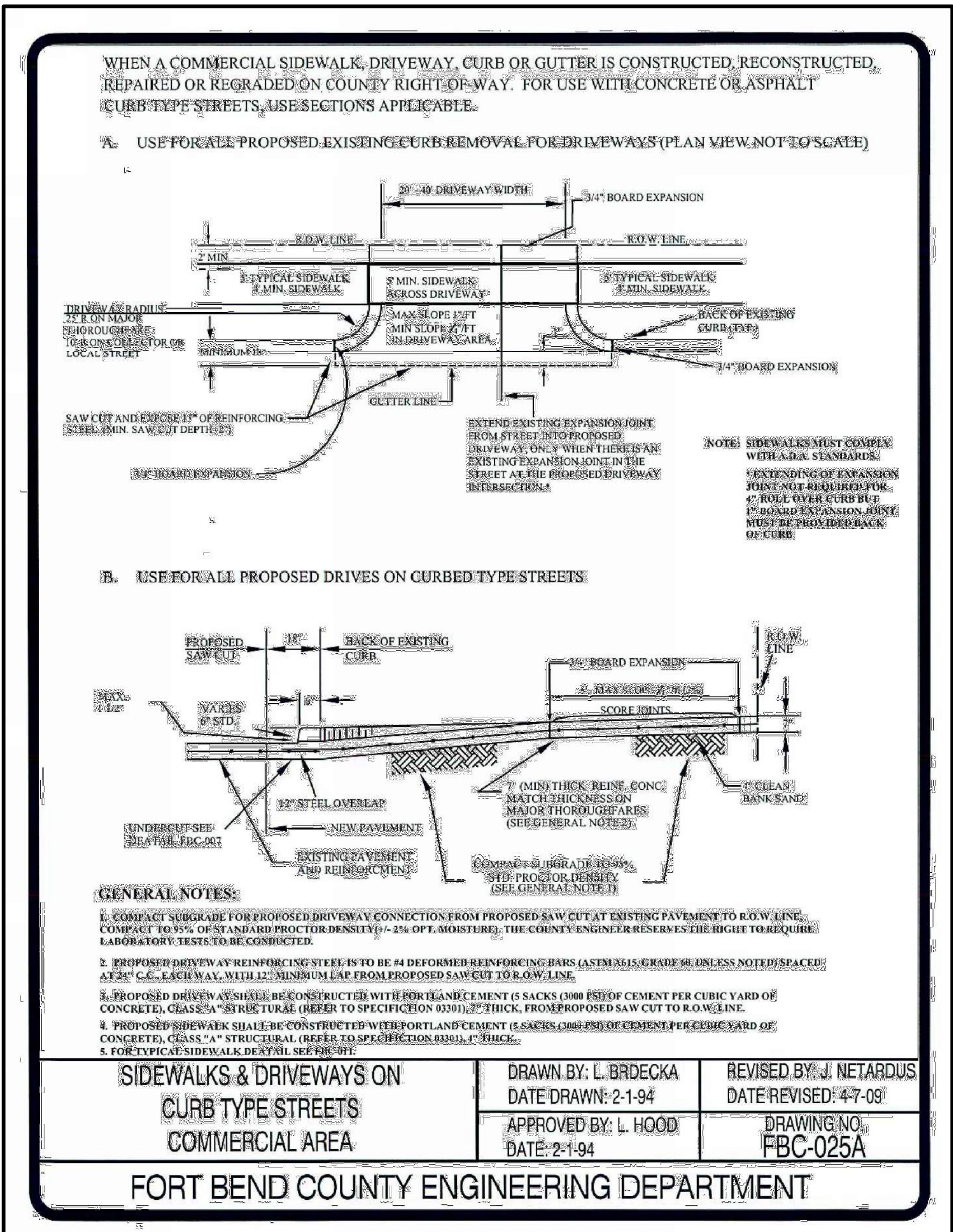
SURVEY NOTES:

BOUNDARY AND TOPOGRAPHIC INFORMATION ARE BASED ON THE SURVEY BY FIELD DATA SERVICE INC, DATED AUGUST 15, 2017, INCLUDING THE FOLLOWING:

1. ACCORDING TO FLOOD INSURANCE RATE MAP NO. 48157C0140L DATED APRIL 2, 2014, THIS SITE IS LOCATED IN UNSHADED ZONE X DEFINED AS "AREAS OUTSIDE THE 1% ANNUAL CHANCE FLOOD".
2. BENCHMARK, HARRIS COUNTY FLOODPLAIN REFERENCE MARK RM NO. 190015, LOCATED NEAR NE CORNER OF MASON ROAD BRIDGE OVER BUFFALO BAYOU, ELEV. = 101.48 FEET, 2001 ADJUSTMENT.

NOTES

1. ALL DIMENSIONS SHOWN ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE SOUTH PROPERTY LINE, BEARING S86°48'17"W UNLESS OTHERWISE NOTED.
3. PAVING, JOINT SPACING AND SUBGRADE PREPARATION PER FORT BEND COUNTY DETAIL, FBC-025A ON SHEET 2.



STATE OF TEXAS

SCOTT W. BLISSIT

115503

LICENSED PROFESSIONAL ENGINEER

9/13/2017

Scott W. Blissit

L

LANDEV

Engineers, Inc.

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HOUSTON, TEXAS 77008
PHONE (713) 869-2402
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JEM FIELD SERVICES, LLC

BELLAIRE BLVD. DRIVEWAY

PAVING DETAILS

JOB NUMBER:
L170000121

SHEET:
C.01 of 3

Untitled Map

Write a description for your map.

Legend

Shallo

