



**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: 2017-16896

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: \$145,161.55
- 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

Date



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**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: 2017-16896

Applicant: Hurtado Construction Company

Job Location Site: Berdett Road, Rosenberg, TX 77471

Bond No. **Date of Bond:** 11/3/2017 **Amount:** \$145,161.55

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 14th day of November, 2017, Upon Motion of Commissioner _____, seconded by Commissioner _____, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

Presented to Commissioners Court and approved.

By: 
County Engineer

Date Recorded _____ Comm. Court No. _____

Clerk of Commissioners Court

By: N/A
Drainage District Engineer/Manager

By: _____
Deputy

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

AUTHORIZED

BOND NO. [REDACTED] §

THE STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, Hurtado Construction Company whose address is 5629 FM 359 RD. S. Brookshire, TX 77423 Texas, hereinafter called the Principal, And Liberty Mutual Insurance Company, a Corporation existing under and by virtue of the laws of the state of MA and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at 175 Berkeley St. Boston, MA 02116, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is * see below and Whose address is 211 East 7th Street., Suite 620, Austin, Texas 78701, (866) 403-5272, 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 **see below Dollars (\$ 145,161.55) 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 3rd day of November, 20 17.

Hurtado Construction Company
PRINCIPAL

BY [Signature]
Liberty Mutual Insurance Company

SURETY
[Signature]

BY Denise Raker, Attorney-in-Fact

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

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

Certificate No. 7547901

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

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, David Stephen Wightman; Denise Raker; Jo Ann Parker

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

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 17th day of November, 2016.



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

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

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 17th day of November, 2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



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

By: Teresa Pastella
Teresa Pastella, Notary Public

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

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

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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 3rd day of November, 2017.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

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

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



TEXAS
IMPORTANT NOTICE

To obtain information or make a complaint:

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

You may also write to:

Interchange Corporate Center
450 Plymouth Road, Suite 400
Plymouth Meeting, PA 19462-1644

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

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

PREMIUM OR CLAIM DISPUTES:

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

ATTACH THIS NOTICE TO YOUR POLICY:

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

TEXAS
AVISO IMPORTANTE

Para obtener informacion o para someter una queja:

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

Usted tambien puede escribir a:

Interchange Corporate Center
450 Plymouth Road, Suite 400
Plymouth Meeting, PA 19462-1644

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

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

DISPUTAS SOBRE PRIMAS O RECLAMOS:

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

UNA ESTE AVISO A SU POLIZA:

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

CONFORMED DRAWINGS



BRAZOSPORT WATER AUTHORITY NORTHERN REGIONAL PIPELINE SEGMENT 5 (FM 762)

PROJECT No 111014-05

JUNE 2017

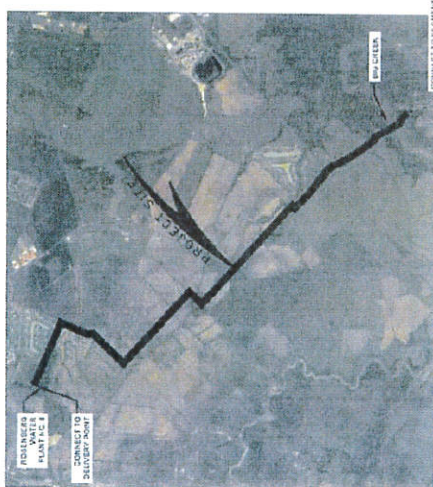
FORT BEND COUNTY ENGINEER

ENGINEER: *Paul J. Steffy, P.E.*
 PROJECT NO: 111014-05
 DATE: 8/23/17

THIS CONTRACTOR HAS BEEN QUALIFIED BY THE ENGINEER AND IS NOT BEING REQUALIFIED IN THIS PROJECT.

APPROVAL IS IMPLIED BY SIGNATURE WITHIN 60 DAYS OF PROJECT COMPLETION. APPROVAL IS NOT VALID FOR ANY OTHER PROJECTS OR ANY OTHER UTILITY AUTHORITY WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER.

APPROVED: *Paul J. Steffy, P.E.*
 DATE: 8/23/17



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

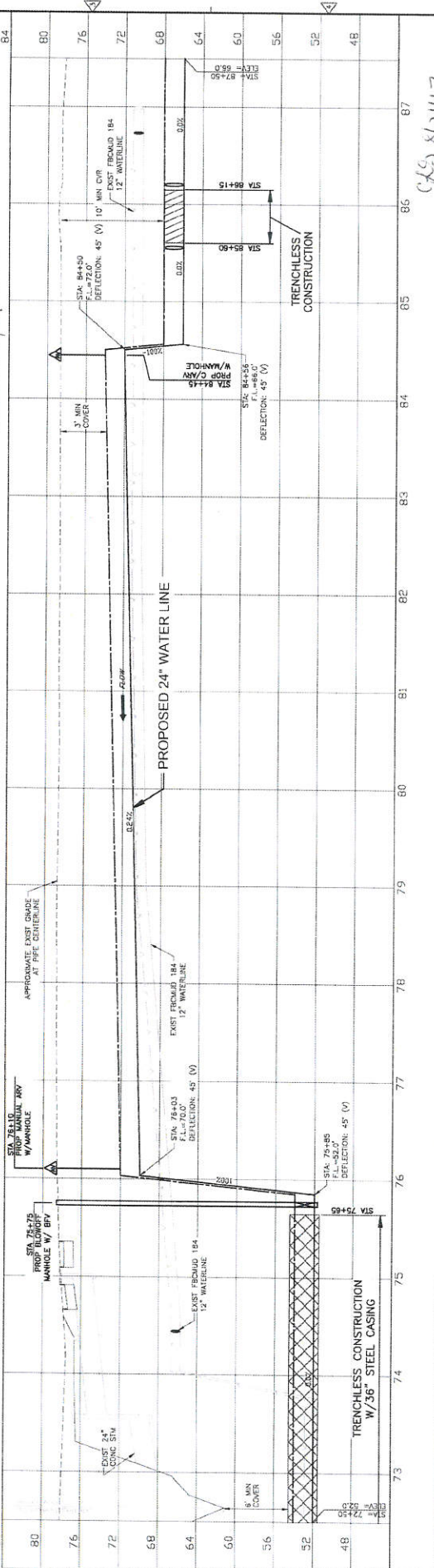
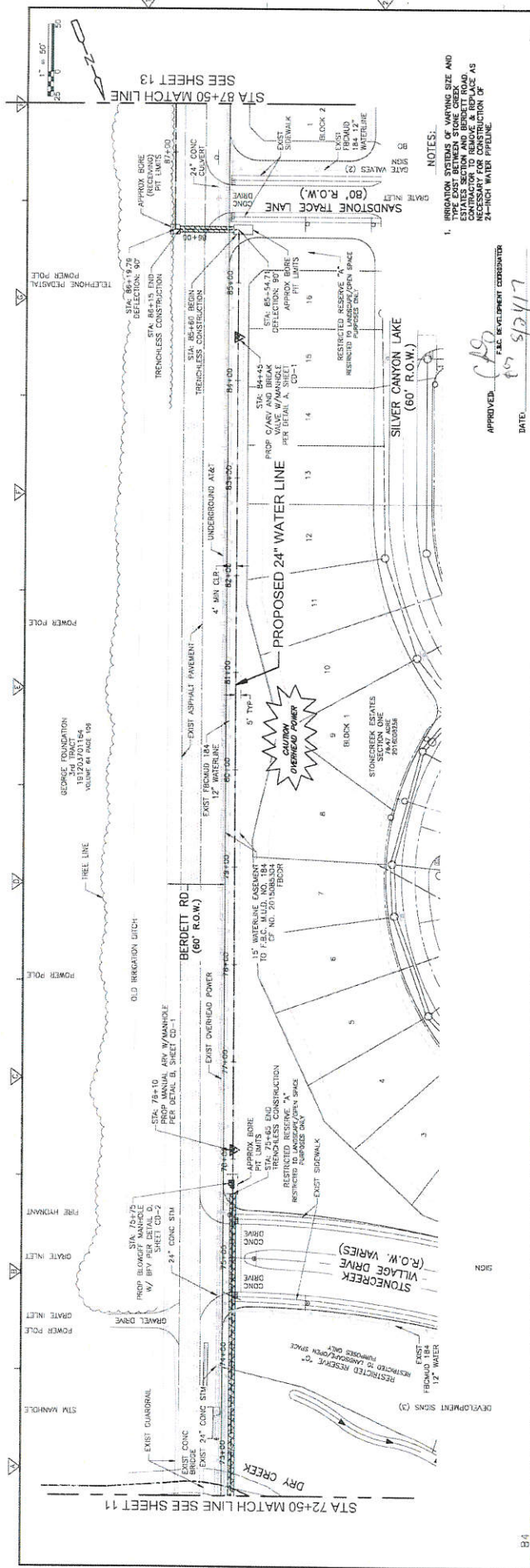
- BOARD MEMBERS**
- JUAN LONGORIA III
 - JESSE KNIGHT
 - CARL MORRISON
 - OSVALDO DUARTE
 - MORRIS T. MASSINGILL
 - JOE DAMIAN
 - KENNY HAYS
- GENERAL MANAGER**
- RONNIE WOODRUFF
- PRESIDENT - LAKE JACKSON**
- VICE PRESIDENT - BRAZORIA**
- SECRETARY - OYSTER CREEK**
- ASSISTANT SECRETARY - RICHWOOD**
- DIRECTOR - ANGLETON**
- DIRECTOR - CLUTE**
- DIRECTOR - FREEPORT**

PREPARED BY: *R. Woodruff*
 DATE: 6-21-17



PREPARED BY: *R. Woodruff*
 DATE: 6/20/17





NOTES:
 1. VARIATIONS IN PIPE SIZE AND TYPE SHALL BE DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND EASEMENTS FOR CONSTRUCTION OF THE PROPOSED WATER PIPELINE.

APPROVED: *[Signature]*
 DATE: 8/21/17

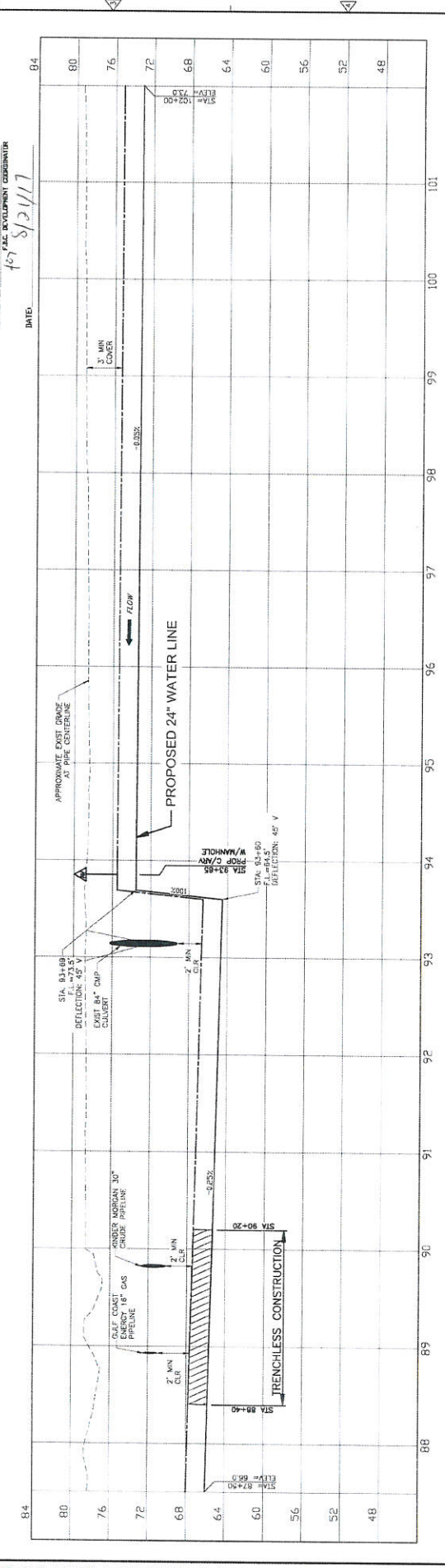
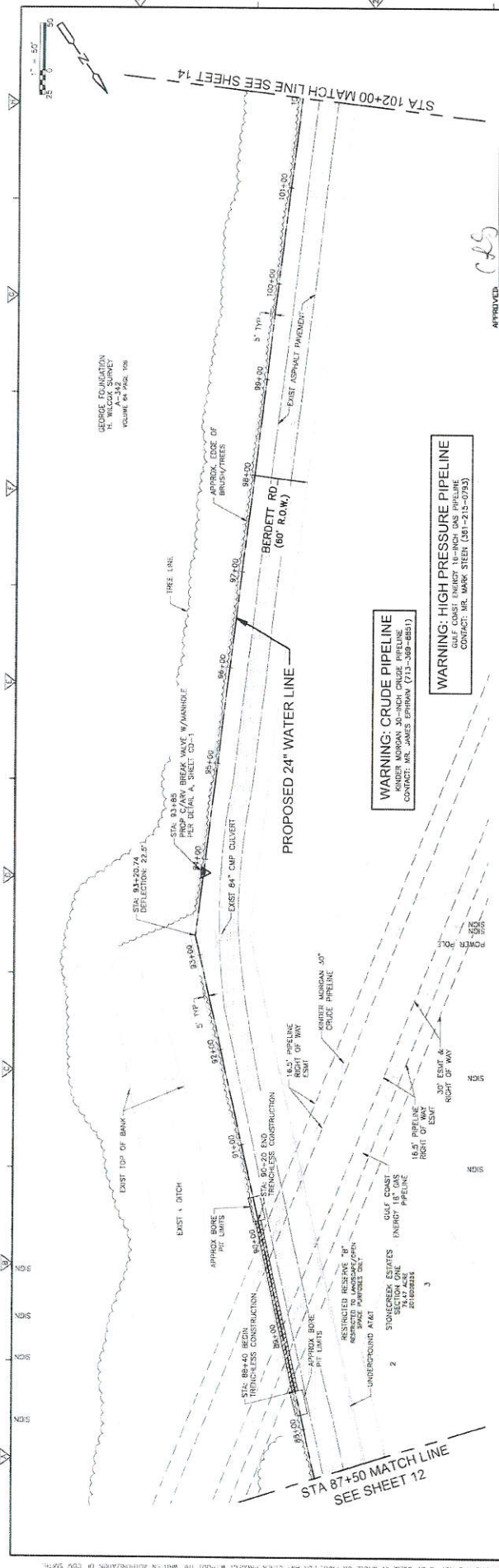
NO. DATE	BY	CHKD	REVISIONS

DESIGNED BY: JEROME & JAVOISE
 CHECKED BY: JAVOISE
 DRAWN BY: JAVOISE
 PROJECT NO.: 151201184
 APPROVED BY: JAVOISE
 DATE: JULY 2017

CDM Smith
 151201184
 151201184
 151201184
 151201184

BRAZOSPORT WATER AUTHORITY
 NORTHERN REGIONAL PIPELINE
 BERDETT ROAD
 STA 72+50 TO 87+50

BRAZOSPORT WATER AUTHORITY
 C-6
 SHEET NO. 12 OF 63



APPROVED: *(Signature)*
 DATE: 8/2/17

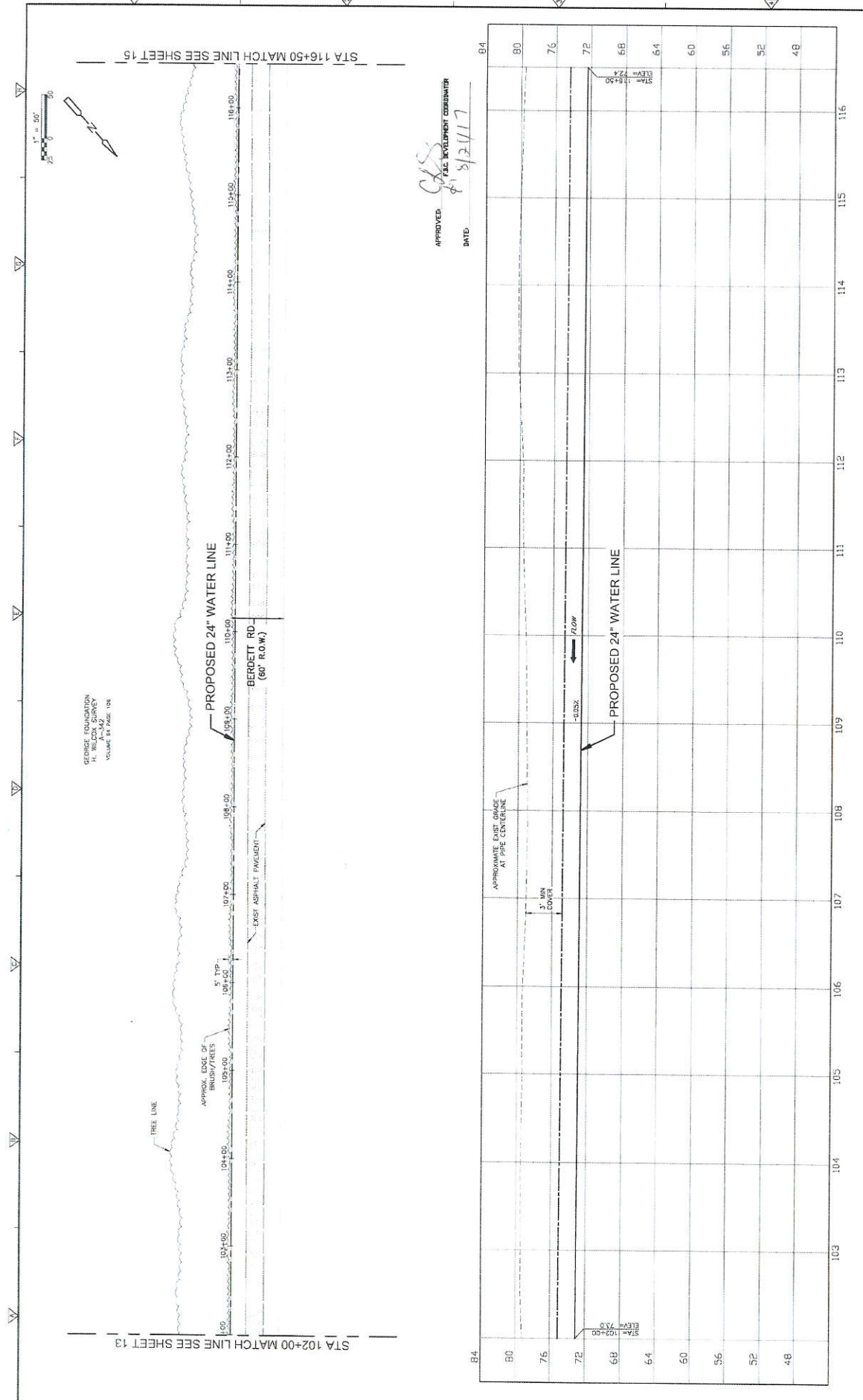
WARNING: CRUDE PIPELINE
 UNDER MORIAN 30-INCH CRUDE PIPELINE
 CONTRACT: JAC. JAMES LINDEN (713-387-2851)

WARNING: HIGH PRESSURE PIPELINE
 GULF COAST ENERGY 18-INCH GAS PIPELINE
 CONTRACT: MR. MARK STEEN (817-215-0793)

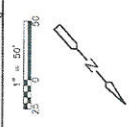
<p>PROJECT: BRASSBORO WATER AUTHORITY NORTHERN REGIONAL PIPELINE SEGMENT 5 (FM 762) BERRETT ROAD STA 87+50 TO 102+00</p>	<p>DESIGNED BY: AUSTIN & AMOS CHECKED BY: J. P. [unclear] APPROVED BY: [unclear] DATE: JUNE 2017</p>	<p>BRASSBORO WATER AUTHORITY EYE K. DUBER ENGINEER</p>	<p>CDM Smith JONES CARTER CONSULTANTS</p>	<p>CONTRACT NO.: 13710-00-000 FILE NAME: 13710-00-000 SHEET NO.: C-7 OF 63</p>
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15000 (PLAN SCALE) SHALL APPLY UNLESS OTHERWISE NOTED. THESE QUANTITIES AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



GEORGE FOUNDATION
 11. HUNTERS CREEK
 A-1-A2
 VOLUME 84 PAGE 108

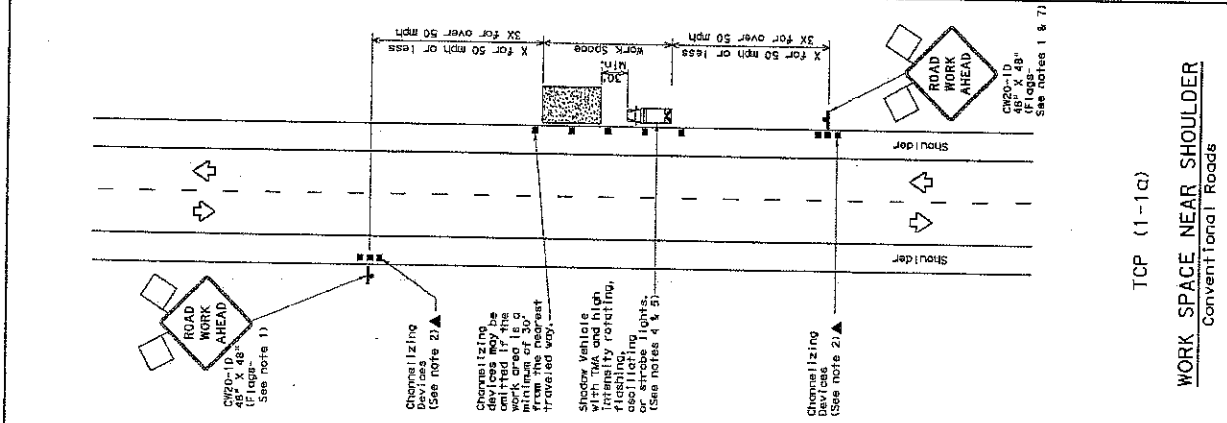


APPROVED: *[Signature]*
 DATE: 8/2/17

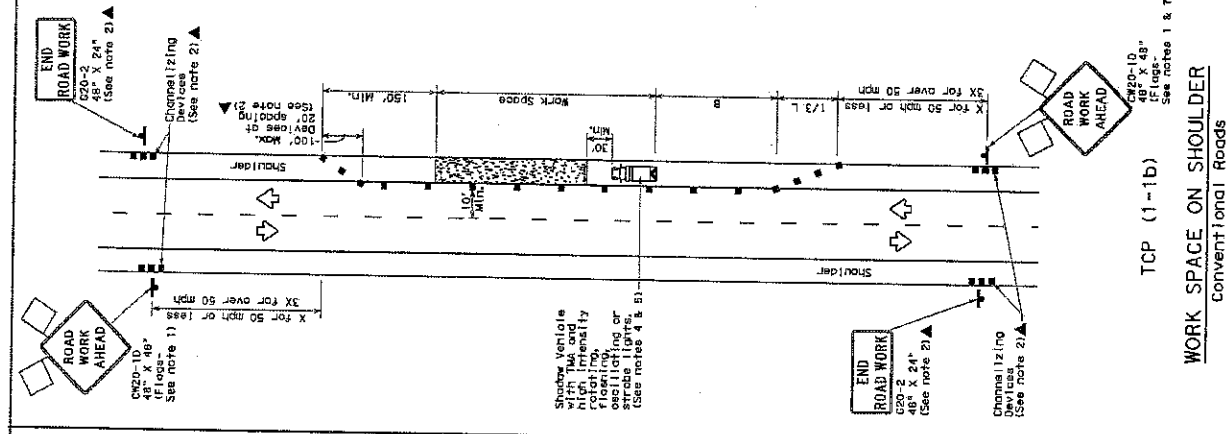
DATE: 8/2/17

PROJECT NO. 1531-C-001 SHEET NO. 14 OF 63 FILE NAME: 1531-C-001.DWG		 BRAZOSPORT WATER AUTHORITY NORTHERN REGIONAL PIPELINE SEGMENT 3 (ON 761) BERDETT ROAD STA 102+00 TO 116+50	 CITY OF BAYTOWN TEXAS
DRAWN BY: JENEBCK, J. MONROE CHECKED BY: [Blank] DESIGNED BY: [Blank] APPROVED BY: JANE BULL DATE: [Blank]			
 CDM Smith JONES & CARTER 10000 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77042-3636 TEL: 281.416.8200		PROJECT NO. 1531-C-001 SHEET NO. 14 OF 63 FILE NAME: 1531-C-001.DWG	

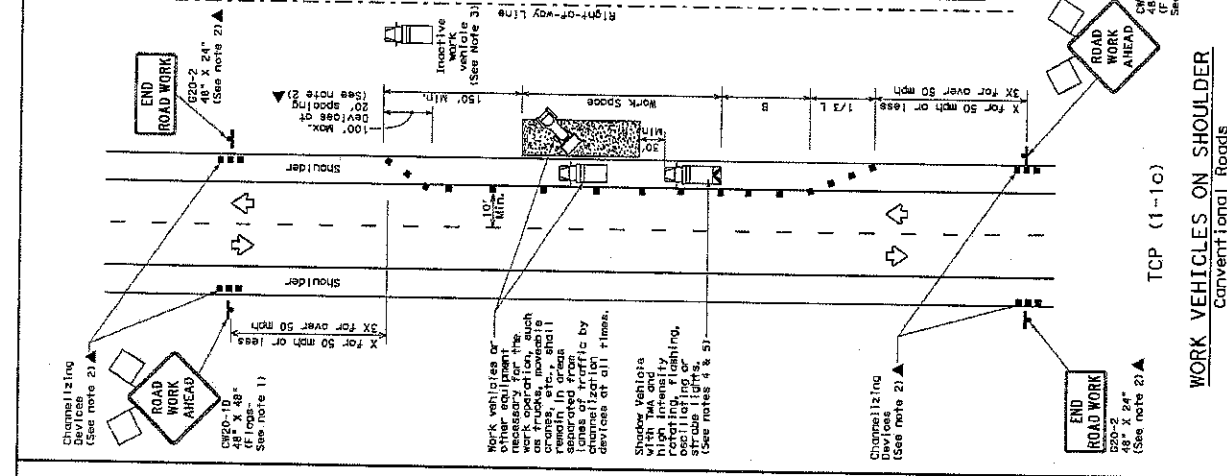
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TCP (1-1a)
WORK SPACE NEAR SHOULDER
Conventional Roads



TCP (1-1b)
WORK SPACE ON SHOULDER
Conventional Roads



TCP (1-1c)
WORK VEHICLES ON SHOULDER
Conventional Roads

LEGEND

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

Posted Speed	Minimum Taper Lengths	Suggested Maximum Length of Channelizing Devices	Minimum Sign Spacing	Suggested Maximum Buffer Spacing
30	150'	180'	30'	90'
35	150'	180'	30'	90'
40	150'	180'	30'	90'
45	150'	180'	30'	90'
50	150'	180'	30'	90'
55	150'	180'	30'	90'
60	150'	180'	30'	90'
65	150'	180'	30'	90'
70	150'	180'	30'	90'
75	150'	180'	30'	90'

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

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓

GENERAL NOTES

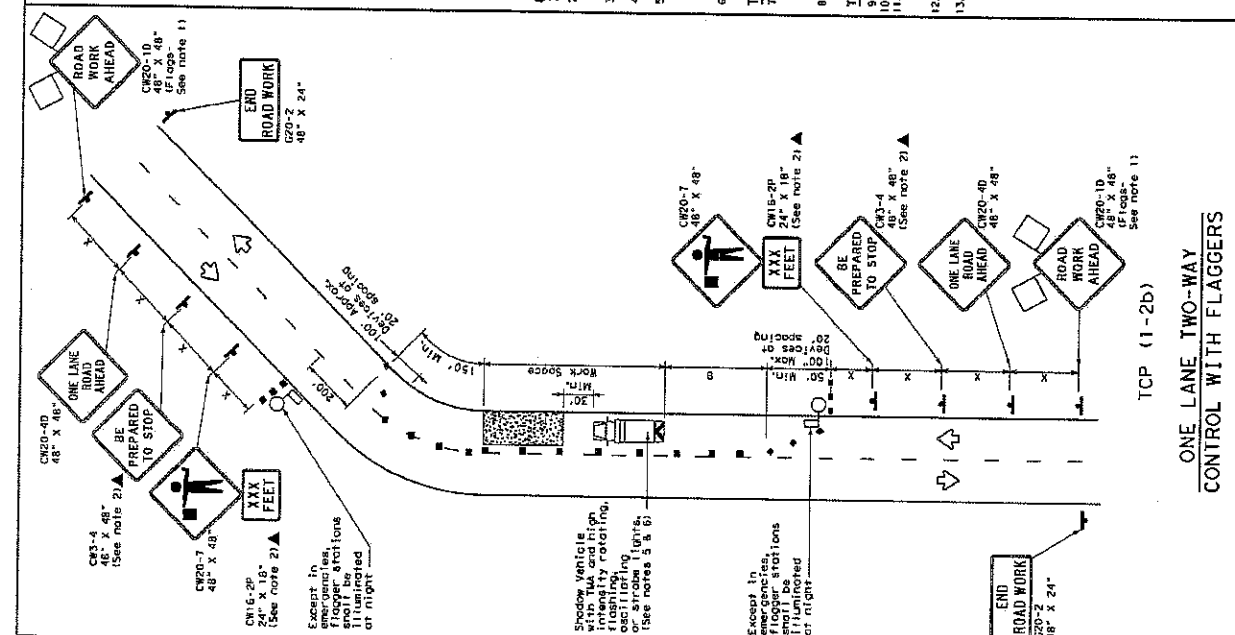
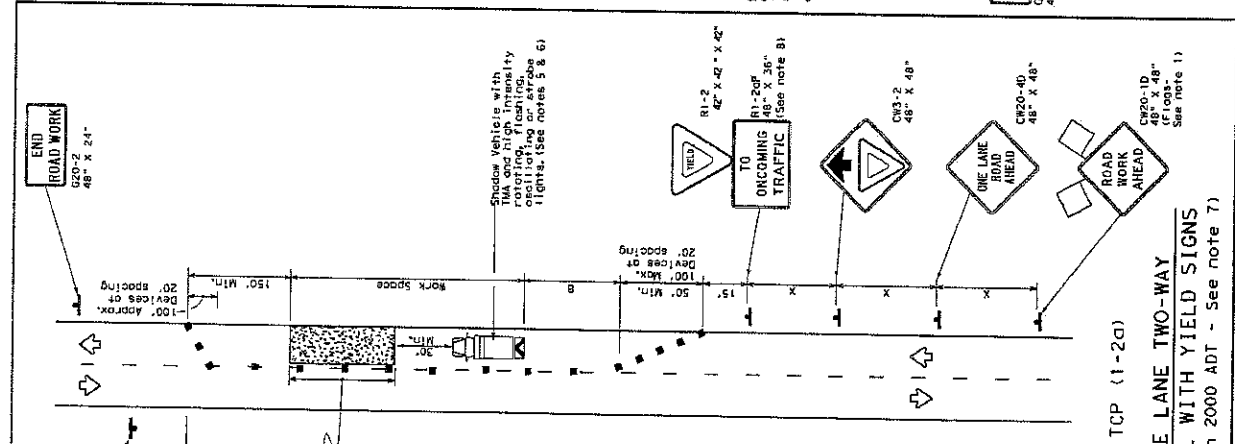
- Flare attached to sign where shown are required.
- All traffic control devices illustrated are required, except those that may be omitted when stated elsewhere in the plan, or for testing maintenance work, when approved by the Engineer.
- Inertive work vehicles or other equipment should be parked near the work area and not parked on the paved shoulder.
- Shadow vehicles may be used to provide additional protection for workers and to improve the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control devices to remain in place, Shadow Vehicles may be substituted for the work vehicles.
- Additional Shadow Vehicles with TMAs may be positioned on the paved surface, next to those shown in order to protect wider work areas.
- For CPD-1110* shoulder work on divided highways, expressways and roadways, CPD-1110* signs may be used in place of CPD-10 roadways.
- For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project manual, Item 502, Barriercade, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
CONVENTIONAL ROAD
SHOULDER WORK

CD-6
46 OF 61
7/2007 December 1995
REVISED
2-84 2-72
2-86 2-72
2-88 2-72
2-90 2-72
2-92 2-72
2-94 2-72
2-96 2-72
2-98 2-72
3-00 2-72
3-02 2-72
3-04 2-72
3-06 2-72
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4-00 2-72

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LEGEND

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

Posted Speed	Minimum Spacing (ft)	Suggested Spacing (ft)	Minimum Spacing (ft)	Suggested Spacing (ft)	Stopping Sight Distance (ft)
30	10'	11'	12'	12'	90'
35	150'	185'	180'	30'	120'
40	205'	225'	245'	35'	150'
45	265'	295'	320'	40'	185'
50	330'	365'	390'	45'	220'
55	400'	435'	460'	50'	260'
60	475'	505'	530'	55'	300'
65	560'	595'	620'	60'	340'
70	650'	685'	710'	65'	380'
75	750'	785'	810'	70'	420'
80	860'	895'	920'	75'	460'
85	980'	1015'	1040'	80'	500'
90	1110'	1145'	1170'	85'	540'
95	1250'	1285'	1310'	90'	580'
100	1400'	1435'	1460'	95'	620'

* Conventional Roads Only
 ** Length of Table (ft) = Speed of (feet) x Distance (feet)

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE	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 stored elsewhere in the plans, or for routing purposes.
- The CW3-4 "BE PREPARED TO STOP" sign shall be illuminated after the CW20-4P "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
- Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be added in advance of the work area to provide advance warning of the work area.
- A Shadow Vehicle with TMA and high intensity flashing lights shall be placed in advance of the work area to provide advance warning of the work area.
- Additional Shadow Vehicles with TMA and high intensity flashing lights shall be placed in advance of the work area to provide advance warning of the work area.

TCP (1-2a)

- R1-2 "YIELD" sign traffic control may be used on projects with conditions that have adequate sight distances. For projects in urban areas work space shall be greater than one half city block. In rural areas on roadways with less than 2000 ADT, work space shall be no longer than 400 feet.
- When using "BE PREPARED TO STOP" signs, the "STOP" sign shall be placed at a 7 foot minimum mounting height.

TCP (1-2b)

- Flaggers should use two-way radios or other methods of communication to control traffic.
- When using flaggers, the work space shall be greater than one half city block.
- If the work space is located near a bar control or vertical curve, the work space shall be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
- Traffic and operations on the center-line may be limited when a pilot car is leading.
- Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

Texas Department of Transportation
 Traffic Operations Division

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

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