

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 25 day of JANUARY, 2011, before the Fort Bend Commissioners Court came on to be heard and reviewed the accompanying notice of D. L. ELLIOTT ENTERPRISES, INC.

Job Location PROMENADE BLVD., AVENUE E, WILLOW DRIVE, STAFFORD RUN CREEK

Dated 01/10/11 BOND NO 2880570 Permit No. 83878
to make use of certain Fort Bend County property subject to, "A Revised Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, date the 3rd day of August, 1987, recorded in Volume _____ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Notes:

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

Mail notices to: Permit Administrator
Fort Bend County Engineering
P.O. Box 1449
Rosenberg, Texas 77471
281-633-7500

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

By

James Hegemier
County Engineer

By

[Signature]
Drainage District Engineer/Manager

Presented to Commissioners Court
and approved.

Recorded in Volume 1-25-11
Minutes of Commissioners Court.

Clerk of Commissioners Court

By Sherry Fier
Deputy

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

AUTHORIZED

BOND NO 2880570

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE D.L. Elliott Enterprises, Inc. whose
address is 13405 SW Frwy #210, Sugar Land, Tx 77478
and Liberty Mutual Ins. Co., a Corporation existing under and by virtue of
the laws of the State of Texas and authorized to do an indemnifying business in the State of
Texas; and whose principal office is located at 1600 N. Collins Blvd., Richardson, TX 75080
officer residing in the State of Texas, authorized to accept service in all suits and actions brought
within said State is Corporation Service Co., 211 E. 7th St. Ste. 620, Austin TX 78701
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 Two Hundred Forty Three
Dollars (\$ 243,503.88), 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 Eighty Six
payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us, Cents
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 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;

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 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 27th day of December, 2010.

D.L. Elliott Enterprises, Inc.

PRINCIPAL

BY Darryl Elliott

SURETY

BY

Jason Stonefeld

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.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS:

That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint **JASON STONEFELD, LUKE BISSELL, JEREMY MEDEIROS, STEPHANIE BELL, ALL OF THE CITY OF RICHARDSON, STATE OF TEXAS**

, 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, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

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.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to 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.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 28th day of April, 2010.

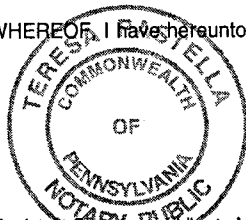
LIBERTY MUTUAL INSURANCE COMPANY

By Garnet W. Elliott
Garnet W. Elliott, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 28th day of April, 2010, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2013
Member, Pennsylvania Association of Notaries

Teresa Pastella
Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the 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.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 27th day of December, 2010.



David M. Carey
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, 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.

COUNTY OF FORT BEND

Engineering Department

P.O. BOX 1449
Rosenberg, Texas 77471-1449

Johnny Ortega
Permit Administrator

1124 Blume Road
Phone: (281) 341-7500

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

PERMIT NO. 083878

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.

- X (1) Complete Application Form.
- X a. Name of road, street, and/or drainage ditch affected.
- X b. Vicinity map showing course of direction.
- c. Plans and specifications.

- (2) Bond:
- District Attorney, approval when applicable.
- Perpetual bond currently posted.
- No.
- Amount
- X Performance bond submitted.
- No. 2880570
- Amount \$243,503.86
- Cashier's Check.
- No.
- Amount

- (3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.

 Precinct Engineer Acknowledgment

 Date

 Precinct Commissioner Acknowledgment

 Date

- (4) Adams Wright
- Drainage District Approval when applicable

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

Johnny Ortega
Johnny Ortega CFM/ Permit Administrator
(REVISED 5/30/08)

01/04/2011
Date

1/2

NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY
IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES
IN FORT BEND COUNTY

APPLICANT'S JOB NO. 224
PERMIT No. 83878 PCT. No. 2
BOND No. 2880910

Formal notice is hereby given that D. L. ELLIOTT ENTERPRISES, INC.
proposes to lay, construct, maintain and/or repair cable, conduit and/or pole line, in, under,
across, or along roads, streets, highways and drainage ditches in Fort Bend County, as follows:

In, Under, or Across Roads and/or Drainage Ditches

| Road or Ditch Name | Distance & Direction From : Nearest Intersection | Length of : Crossing | Type of Construction : Bored: Jacked: Driven: Cased |
|--------------------|---|-------------------------|--|
| PROMENADE BLVD. | STAFFORD RUN CRK. | 63' | X |
| AVENUE E | STAFFORD RUN CRK. | 96' | X |
| FM 1092 | STAFFORD RUN CRK. | 156' | X |

(SEE ATTACHED)

Along Roads and/or Drainage Ditches

| Road or Ditch Name | Distance & Direction From : Nearest Intersection | To : Distance |
|--------------------|---|---------------------------------|
| STAFFORD RUN CRK. | PROMENADE BLVD | WATER PLANT 7,150 FT |
| HLTP FEE STREET | STAFFORD RUN CRK. | 1 ST STREET 1,600 FT |

General Description

INSTALL 20" & 24" WATERLINE FOR FORT BEND COUNTY WCID NO. 2

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

Written notices are required: 1) 48 hours in advance of start of construction and
2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering
P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

Does project comply with Fort Bend County Outdoor Lighting Ordinance?

Yes ()

No ()

COMPANY NAME: D. L. ELLIOTT ENTERPRISES, INC.
AGENT and/or OWNER
SCOTT ELLERSON
(Signature)
NAME & TITLE PROJECT MANAGER
(Please Print)
DATE 12-22-2010
ADDRESS 13405 SW FREEWAY, STE. 210
(Street/P.O. Box)
SUGAR LAKE TX 77478
City State Zip
TELEPHONE NO: 281-277-4414
(accessible 24 hrs/day, 7 days/week)

2/2

NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY
IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES
IN FORT BEND COUNTY

APPLICANT'S JOB NO. _____

PERMIT No. 83878 PCT. No. _____

BOND No. _____

Formal notice is hereby given that D.L. ELLIOTT ENTERPRISES, INC.

proposes to lay, construct, maintain and/or repair cable, conduit and/or pole line, in, under, across, or along roads, streets, highways and drainage ditches in Fort Bend County, as follows:

In, Under, or Across Roads and/or Drainage Ditches

| Road or Ditch Name | Distance & Direction From : Nearest Intersection | Length of : Crossing | Type of Construction : Bored: Jacked: Driven: Cased |
|--------------------|---|-------------------------|--|
| WILLOW DR. | STAFFORDA RUN CRK. | 55' | X |
| STAFFORDA RUN CRK | 110' WEST OF WILLOW | 105' | X |
| STAFFORDA RUN CRK | 525' NORTH AMERSTON | 105' | X |

Along Roads and/or Drainage Ditches

| Road or Ditch Name | Distance & Direction From : Nearest Intersection | To : Distance |
|--------------------|---|------------------|
| | | |
| | | |
| | | |

General Description

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

Written notices are required: 1) 48 hours in advance of start of construction and
2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering
P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

COMPANY NAME: SAME AS SHEET 1/2
AGENT and/or OWNER

Does project
comply with Fort
Bend County
Outdoor Lighting
Ordinance?

Yes ()

No ()

(Signature)

NAME & TITLE _____
(Please Print)

DATE _____

ADDRESS _____
(Street/P.O. Box)

City State Zip

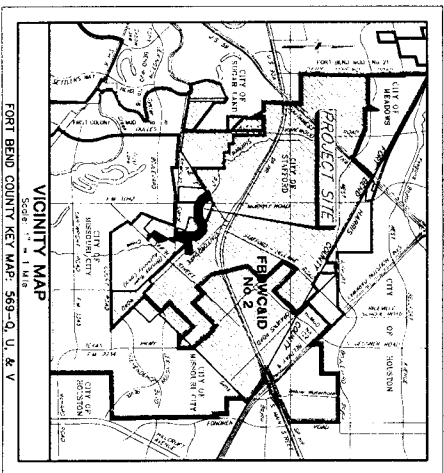
TELEPHONE NO: _____
(accessible 24 hrs/day, 7 days/week)

CONSTRUCTION
OF
SURFACE WATER TRANSMISSION LINES - PHASE I

FORT BEND COUNTY WATER CONTROL & IMPROVEMENT DISTRICT NO. 2
FOR
DIRECTORS
FORT BEND COUNTY, TEXAS

| SHEET No. | TITLE |
|-----------|--|
| 1 | COVER SHEET & INDEX |
| 2 | OVERALL SITE LAYOUT SHEET 1 OF 2 |
| 3 | OVERALL SITE LAYOUT SHEET 2 OF 2 |
| 4 | STAFFORD RUN CREEK STA 0+40 TO STA 5+50 |
| 5 | STAFFORD RUN CREEK STA 5+50 TO STA 10+50 |
| 6 | STAFFORD RUN CREEK STA 10+50 TO STA 15+50 |
| 7 | STAFFORD RUN CREEK STA 15+50 TO STA 20+50 |
| 8 | STAFFORD RUN CREEK STA 20+50 TO STA 25+50 |
| 9 | STAFFORD RUN CREEK STA 25+50 TO STA 30+50 |
| 10 | STAFFORD RUN CREEK STA 30+50 TO STA 35+50 |
| 11 | STAFFORD RUN CREEK STA 35+50 TO STA 40+50 |
| 12 | STAFFORD RUN CREEK STA 40+50 TO STA 45+50 |
| 13 | STAFFORD RUN CREEK STA 45+50 TO STA 50+50 |
| 14 | STAFFORD RUN CREEK STA 50+50 TO STA 55+50 |
| 15 | STAFFORD RUN CREEK STA 55+50 TO STA 60+50 |
| 16 | STAFFORD RUN CREEK STA 60+50 TO STA 65+50 |
| 17 | STAFFORD RUN CREEK STA 65+50 TO STA 70+50 |
| 18 | STAFFORD RUN CREEK STA 70+50 TO STA 75+50 |
| 19 | STAFFORD RUN CREEK STA 75+50 TO STA 80+50 |
| 20 | STAFFORD RUN CREEK STA 80+50 TO STA 85+50 |
| 21 | H.L. & P. FEE STRIP STA 5+00 TO STA 10+00 |
| 22 | H.L. & P. FEE STRIP STA 10+00 TO STA 15+00 |
| 23 | H.L. & P. FEE STRIP STA 15+00 TO STA 18+00 |
| 24 | STORM WATER POLLUTION PREVENTION PLAN 1 OF 2 |
| 25 | STORM WATER POLLUTION PREVENTION PLAN 2 OF 2 |
| 26 | STANDARD WATERLINE DETAILS |
| 27 | STANDARD WATERLINE DETAILS |
| 28 | INTERCEPTOR STRUCTURE AND SLOPE PAVING DETAILS |
| 29 | BARRICADE STANDARDS |
| 30 | STEEL PIPE DETAILS |
| 31 | |
| 32 | |

CHAD HOWARD
MARTIN SALDUA
JAMES K. (JIMMIE) WILLIAMS
LINDA WALKER
JOHN FERRO
PRESIDENT
VICE-PRESIDENT
SECRETARY-TREASURER
DIRECTOR
DIRECTOR



NOTES:

These plans were prepared to meet or exceed the specifications and requirements of Fort Bend W.C. & I.D. No. 2, Texas Commission on Environmental Quality and Fort Bend County, Texas as currently amended, whichever is more stringent.

Approval by Fort Bend County will be deemed void if construction has not begun within one year of approval date.

Construction will be monitored by a registered professional engineer of JONES & CARTER, INC.

Contractor shall notify the Fort Bend County Engineering Department at least 48 hours prior to commencement at (281) 633-7500.

A permit is required for construction activity within the Drainage District right-of-way through the Fort Bend County Engineering Department. Contact Mr. Jimmy O'Leary, Permit Administrator, at 281-633-7500.

1. Matthew B. Brazzelle, a Professional Engineer licensed in the State of Texas is hereby certifying that these plans were prepared in accordance with the specifications and requirements of Fort Bend County, Texas.

Matthew B. Brazzelle, P.E. 4/7/10 Date



MARCH 2010
JC JOB No. 0146-325

JC JONES & CARTER, INC.
ENGINEERS-PLANNERS-SURVEYORS
Texas Board of Professional Engineers Registration No. F-439
6555 Camino Del Sol, Suite 100 Houston, Texas 77056 (713) 779-5830



FORT BEND COUNTY

Charles Russell, P.E.
City of Stafford Engineer
4/10/10
DATE

David A. Allyn, P.E.
District Engineer
4/7/10
DATE

CITY OF STAFFORD

FORT BEND W.C. & I.D. No. 2

1. ALL WATER LINES AND WASTEWATER COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FORT BEND COUNTY WATER CONTROL & IMPROVEMENT DISTRICT NO. 2 (THE DISTRICT) CONSTRUCTION STANDARDS FOR PUBLIC UTILITIES*.
2. CONTRACTOR SHALL COMPLY WITH O.S.H.A. REGULATIONS AND TEXAS STATE LAW CONCERNING TRENCH SAFETY SYSTEMS.

- [illegible]

1. PARCELS SHALL BE IN ACCORDANCE WITH THE REGULATIONS OF FORT BEND COUNTY, TEXAS FOR THE APPROVAL AND ACCEPTANCE OF INFRASTRUCTURE AND/OR AMENDMENTS OF SAME.
2. THE CONTRACTORS SHALL NOTIFY FORT BEND COUNTY PUBLIC INFRASTRUCTURE DEPARTMENT-ENGINEERING DIVISION-DEMIT FORM, TWENTY-FOUR (24) HOURS IN ADVANCE OF COMMENCEMENT OF UTILITY AND/OR PAVING CONSTRUCTION AT (781)253-7514 AND WRITTEN NOTICE FORTY- EIGHT (48) HOURS IN ADVANCE OF COMPLETION OF CONSTRUCTION.

1. RELOCATION AND REPLACEMENT OF ALL STORM SEWERS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

2. THE CONTRACTORS SHALL NOTIFY THE LOCAL COUNTY PUBLIC INFRASTRUCTURE DEPARTMENT (CONCRETE DIVISION) AND THE PLANNING COMMISSION IN ADVANCE OF CONCRETE CURB AND/or PAVING CONSTRUCTION (28 DAYS IN ADVANCE) (28 DAYS) AND WRITE NOTIFICATION FORM (18) HOURS IN ADVANCE OF CONCRETE CONSTRUCTION.
3. STORM SEWER 18" & 24" HOLES AND LARGER SHALL BE REINFORCED CONCRETE PIPE. 30" & 36" HOLES SHALL BE CAST-IN-PLACE CONCRETE PIPE. ALL HOLES SHALL BE SIGNED AND CLOSURE TO MATCH CITY OF HOUSTON SPECIFICATIONS (2311-02, 2311-03, 2311-04, 2311-05, AND 2311-07, AS APPLICABLE).
4. ANYTHING GRINDER SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, AND ANY GRINDER, CURB OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AGENCY.

[illegible]

1. CONTRACTOR WILL BE REQUIRED TO MAINTAIN TWO LANES OPEN WHEN WORKING IN BOULEVARD SECTIONS. RESIDENTIAL SECTIONS WILL MAINTAIN ONE LANE OPEN WITH

2. DRIVEWAY ACCESS WILL BE MAINTAINED OPEN, AFTER WORKING HOURS, A MINIMUM ONE DRIVEWAY ACCESS WILL BE OPEN AT ALL TIMES TO COMMERCIAL, APARTMENT, AND/OR NON-RESIDENTIAL DEVELOPMENTS.
3. PEDESTRIAN TRAFFIC: CARE SHALL BE TAKEN TO PROVIDE FOR TEMPORARY PEDESTRIAN TRAFFIC AND CROSSING AT AREAS SUCH AS SCHOOLS, PARKS, AND SHOPPING AREAS.

CENTERPOINT ENERGY (ELECTRICAL FACILITIES)

2. TO STATE EMPLOYMENT INFORMATION REQUESTERS, PLEASE
CALL AT (800) 969-8344, AT LEAST 48 HOURS BEFORE STARTING
SEARCHING

ENERGY, INTRASTATE PIPELINE, WHERE APPLICABLE, ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. SERVICE LINES ARE USUALLY NOT SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION; IT DOES NOT IMPLY THAT A CONFIDENT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATOR, COMMITTEE AT 713-223-4567 OR 1-800-669-8344 A MINIMUM OF 48 HOURS BEFORE CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- a) when centripetal energy pipe line warnings are not visible, call out the location of the pipe line for the status of the condition. Record the location of the pipe line and the status of the condition. Record the status of the condition.
- b) when excavating within eighteen inches (18") of the indicated location of centripetal energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.
- c) when centripetal energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stresses on the pipes.
- d) the contractor is solely responsible for any damages caused by use of the contractor's equipment and personnel.

1. THE LOCATIONS OF COMCAST CABLE FLOUTIES ARE SHOWN IN AN APPROXIMATE MANNER ON THE ATTACHED MAP. THE EXACT LOCATION BEFORE CONSTRUCTION WHEN CONSTRUCTION AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL CALL TEXAS ONE-CALL AT 1-800-725-4545 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.

- [illegible]

1. CONTRACTOR SHALL CONTACT THE DISTRICT OPERATOR PRIOR TO MAKING ANY CUT TO THE EXISTING WATER LINES OR ANYTIME A VALVE ON AN EXISTING WATER LINE

- [illegible]

WHEN THE LIFTED CROSS-SECTION OF THE DUCTILE IRON OR STEEL WATERLINE SHALL BE ENCASED OR CONSTRUCTED OF DUCTILE IRON OR STEEL WITH MECHANICAL OR WELDED JOINTS AS APPROPRIATE. WHEN ENCASED, ALL SECTIONS OF WASTEWATER MAIN OR LATERAL WITHIN NINE FEET HORIZONTAL

- [illegible]

WATERLINE PIPE ARE EQUIVARIANT AND AT LEAST NINE FEET HORIZONTALLY CENTERLINE OF THE WASTEWATER MAIN OR LATERAL. THE POTABLE WATERLINE AT LEAST SIX INCHES ABOVE THE WASTEWATER MAIN OR LATERAL. WHEN

5. CONSTRUCT WATER LINES WITH ONE JOINT OF PIPE BEYOND VALVES AND PLUG
FUTURE LINES, UNLESS SHOWN ON PLANS OTHERWISE.
6. VALVES SHALL BE EQUIPPED WITH OPERATING NOT EXTENSIONS TO WITHIN FODR
NATURAL GROUND. ALL VALVES SHALL OPEN COUNTER-CLOCKWISE.
7. RACQUET OF EXISTING STORM SEWER WHEN CROSSING AN EXISTING SIGNAL SEWER
POSSIBLE, THE CROSSING SHALL BE CENTERED BETWEEN THE JOINTS OF THE
WASTEWATER MAIN OR LATERAL, IF THE EXISTING WASTEWATER MAIN OR LATERAL
SHOWS SIGNS OF LEAKING, IT SHALL BE REPLACED FOR AT LEAST ONE FOOT ON
DIRECTIONS (18 FEET TOTAL) WITH AT LEAST 150 PSI PRESSURE RATED PIPE.

R. WATERLINES SHALL BE CONSTRUCTED SO THAT ALL CROSSES VALVES AND TEES BE LOCATED UNDER EXISTING OR FUTURE PAVING, OR DRIVEWAYS.

- [illegible]

1. THE LOCATIONS OF NEARBY FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL CALL 1-800-34-8377 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.

4. WHEN EXCAVATING NEAR UTILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT FOR EXISTING UTILITIES TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES, THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.

148-1

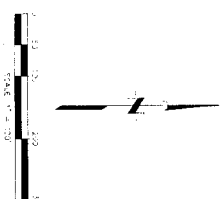
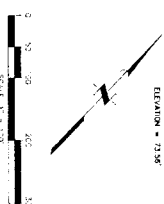
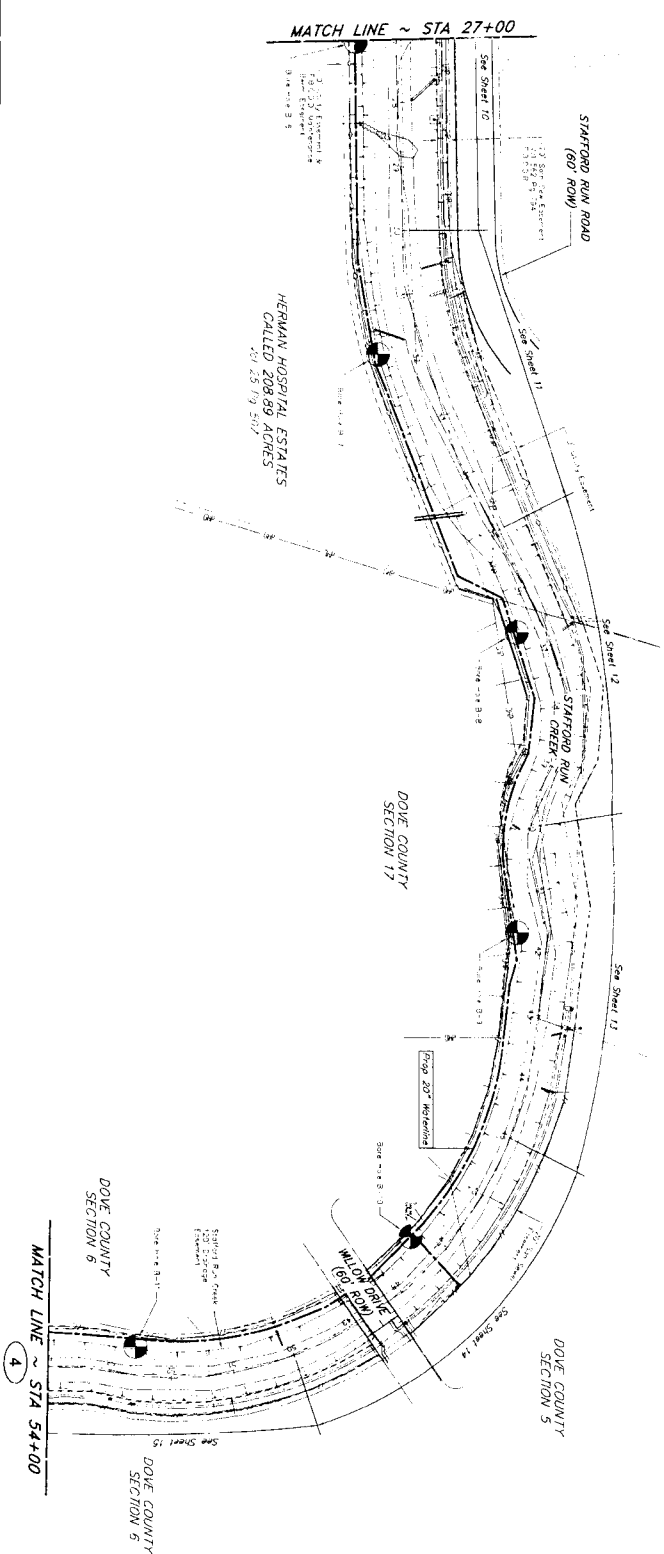
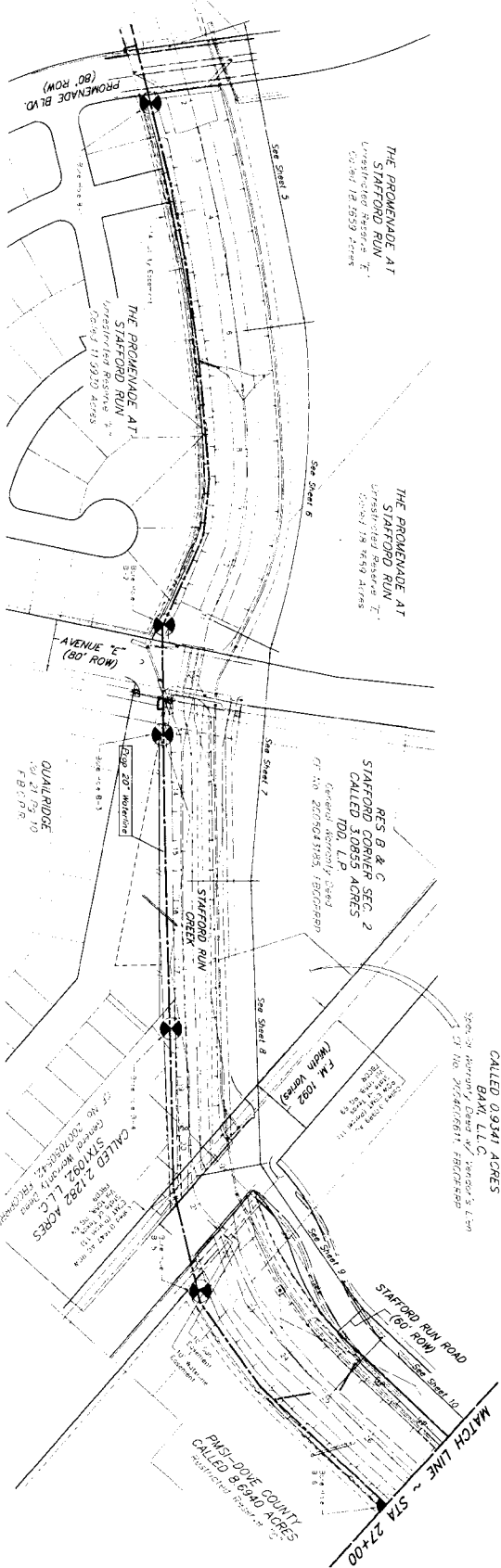
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FORT BEND COUNTY W.C.&M.D. NO.

SURFACE WATER
TRANSMISSION LINES - PHASE 1
GENERAL NOTES

J.C. JONES & CARTER, INC.
ENGINEERS - PLANNERS - SURVEYORS
Staff Bureau of Professional Engineers Registered in the State of California
 8733 Dolphin Dr., Suite 100, Houston, Texas 77054 (713) 775-5500



[illegible]

FORT BEND COUNTY W.C.&I.D. No. 2
FORT BEND COUNTY TEXAS

**SURFACE WATER
TRANSMISSION LINES - PHASE I
OVERALL SITE LAYOUT
SHEET 1 OF 2**

JC **JONES & CARTER, INC.**
ENGINEERS • PLANNERS • SURVEYORS
One of the Professional Firms on Madison Ave. E-409

A95 Gordon St. Suite 100 - Madison, Tenn 37061 [773] 371-5333

SCALE 1"=20' _____ D.N.B. _____ H.P./E.C.

D.A.T.E. _____ MARCH 8, 1982 _____ C.M. S.W. _____ S.D.

SUB. CO. _____ 2nd Fl. N.Y. _____

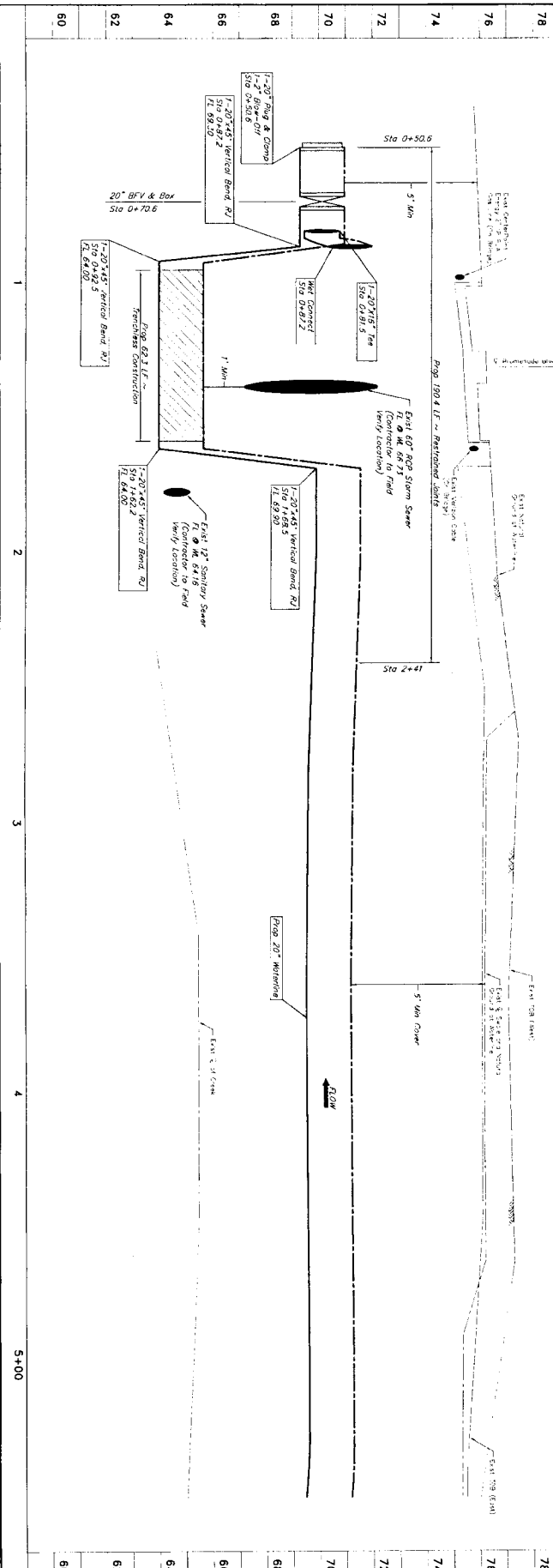
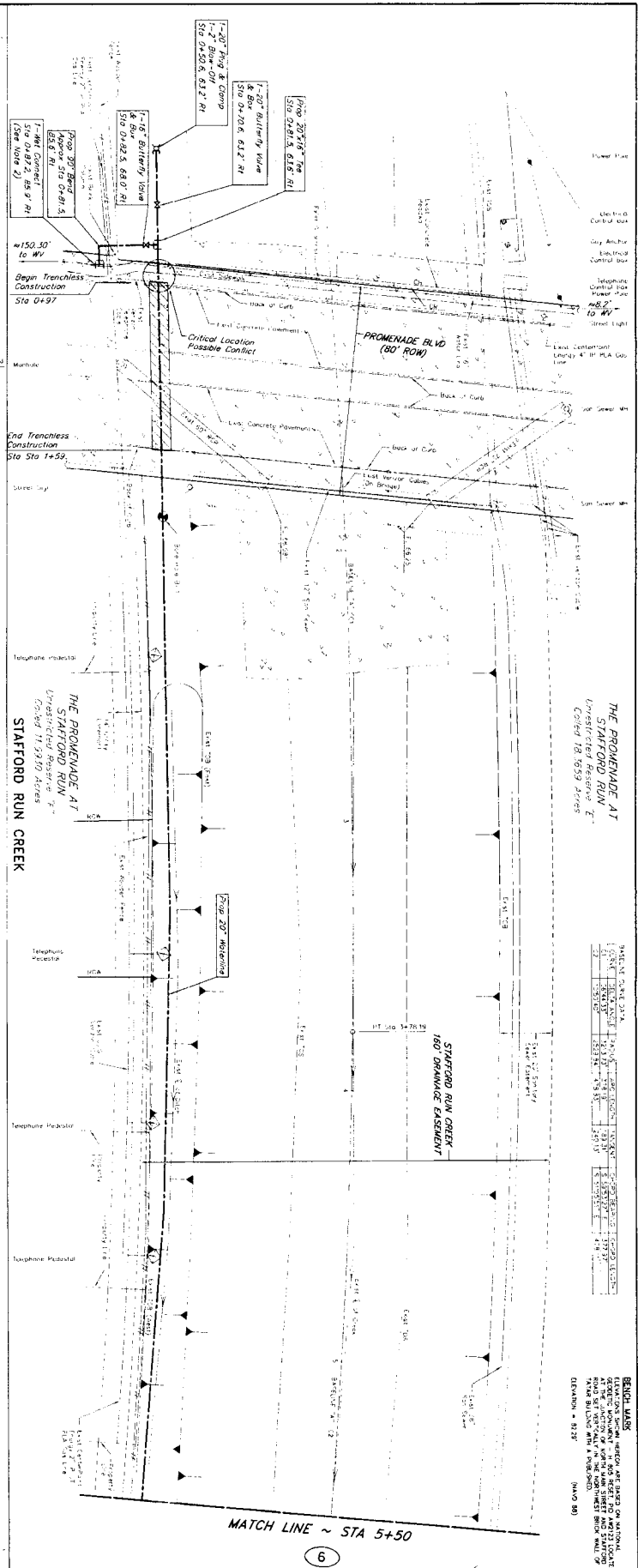
DATE OF _____ 2nd Fl. N.Y. _____

DATE OF _____ 2nd Fl. N.Y. _____

UNITED STATES OF AMERICA
NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, D.C. 20340
3/16/10
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32

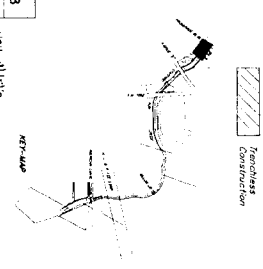
BENCH MARK
ELEVATIONS SHOWN HEREON ARE BASED ON
GEODETIC MONUMENT - 11 605 1951, 110
AT THE JUNCTION OF NORTH MAIN STREET
ROAD SET VERTICALLY IN THE NORTHWEST
CORNER BUILDING WITH A PLYWOOD
ELEVATION = 82.29' (NAVD 88)

[illegible]

[illegible]

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|--|--|--|
| IBM, A: DOT SQUARE IN NE CORNER OF SOUTHWEST CORNER OF THE BMA CANAL AND STAFFORD ROAD ELEVATION = 51.39' | IBM, B: DOT SQUARE ON END OF SIDEWALK ON NORTH SIDE OF STAFFORD ROAD BRIDGE, SOUTHWEST OF THE INTERSECTION OF STAFFORD ROAD AND THE 1003 (SHERRY ROAD) ELEVATION = 76.29' | IBM, C: DOT SQUARE IN NE CORNER OF SIDEWALK ON EAST SIDE OF STAFFORD ROAD BRIDGE AND THE NORTH SIDE OF VENTURE E ELEVATION = 76.29' |
| (NAD 83) | (NAD 83) | (NAD 83) |

- NOTES:
1. All existing utilities are to be field verified
 2. Contractor to verify location and elevation of existing waterline, in connection to be made by cutting a 16" x 16" test w/ two (2) repair clamps on existing waterline. All appurtenances required for this connection are considered incidental to the connection.

[illegible]

SURFACE WATER
 TRANSMISSION LINES - PHASE I
 STAFFORD RUN CREEK
 STA 0+40 TO STA 5+50
 FORT BEND COUNTY W.C.M.D., No. 2
 FORT BEND COUNTY, TEXAS

J.C. JONER-CARTER, INC.
ENGINEERS-PLANNERS-SURVEYORS
10100 West 16th Avenue, Suite 100, Denver, Colorado 80202
(303) 751-1200

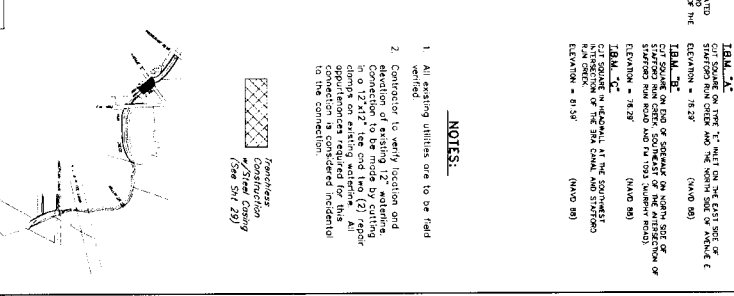
STATE _____ COUNTY _____ FOLIO _____
DATE _____ YEAR _____ DAY _____
BY _____ S.W. _____ S.E. _____
S. 36061703 _____ S. 3624 00 _____
F.S. 00 _____
3/14/0

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5-6-67
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MATTHEW E. BREZDZAL
DOBRO
LICENSED PROFESSIONAL ENGINEER



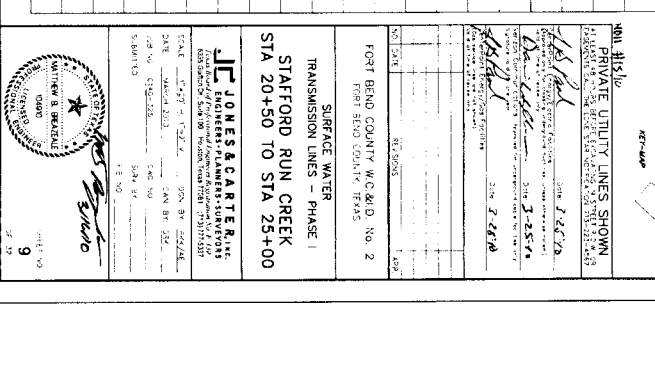
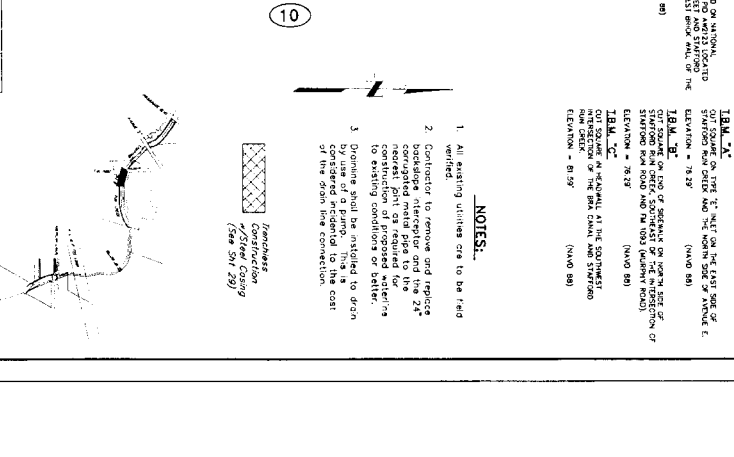
PRIVATE UTILITY LINES SHOWN

FORT BEND COUNTY W.C.A.D. NO. 2
STATION 10+00 TO STA 15+00

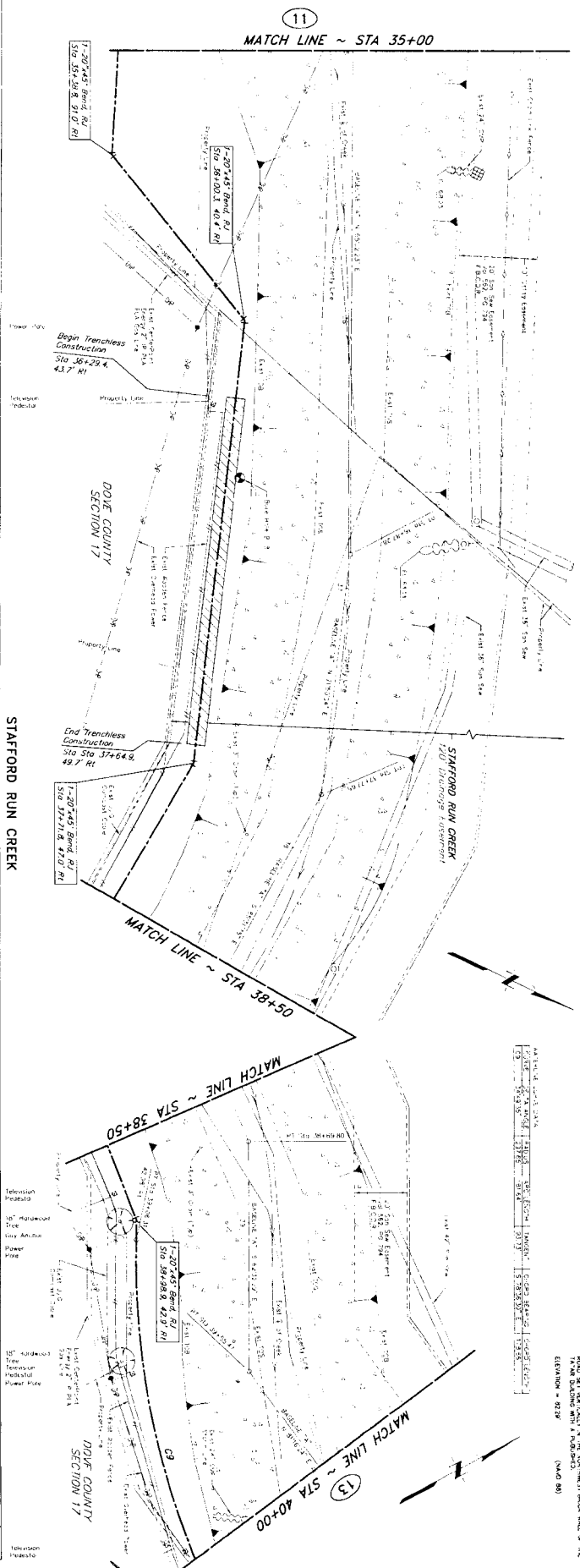
J.C. JONES & CARTER, INC.
ENGINEERS-PLANNERS-SURVEYORS
6000 GULF Fwy., Suite 100, Houston, Texas 77057
(713) 775-1530

DRAWN BY: [Signature]
CHECKED BY: [Signature]
DATE: 3/1/80

SHEET NO. 7 OF 12



City
County
State



BENCH MARK
ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL ADJUSTED MEAN SEA LEVEL DATUM. THE BENCH MARK IS LOCATED AT THE INTERSECTION OF STAFFORD RUN CREEK AND STAFFORD RUN ROAD. THE BENCH MARK IS A 10" DIA. IRON PIPE SET IN CONCRETE. ELEVATION = 423.5 (NAD 83)

DATE
11/15/2023 (NAD 83)

TIME
10:00 AM (NAD 83)

LOCATION
STAFFORD RUN CREEK, STAFFORD RUN ROAD, DOYLE COUNTY, TEXAS (NAD 83)

PROJECT
STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I (NAD 83)

SCALE
1" = 40' (NAD 83)

DATE
11/15/2023 (NAD 83)

TIME
10:00 AM (NAD 83)

LOCATION
STAFFORD RUN CREEK, STAFFORD RUN ROAD, DOYLE COUNTY, TEXAS (NAD 83)

PROJECT
STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I (NAD 83)

SCALE
1" = 40' (NAD 83)

NOTES

- All existing utilities are to be field verified.
- Proposed Construction

ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.

PRIVATE UTILITY LINES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.

STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

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STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

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STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

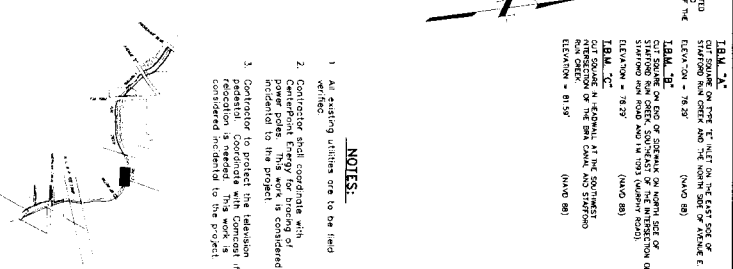
STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

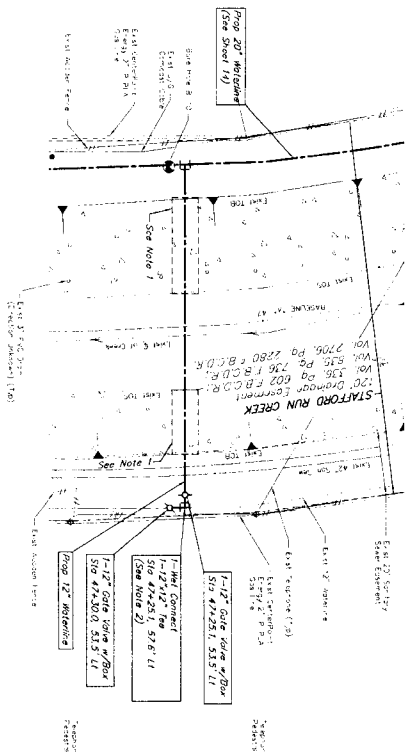
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STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

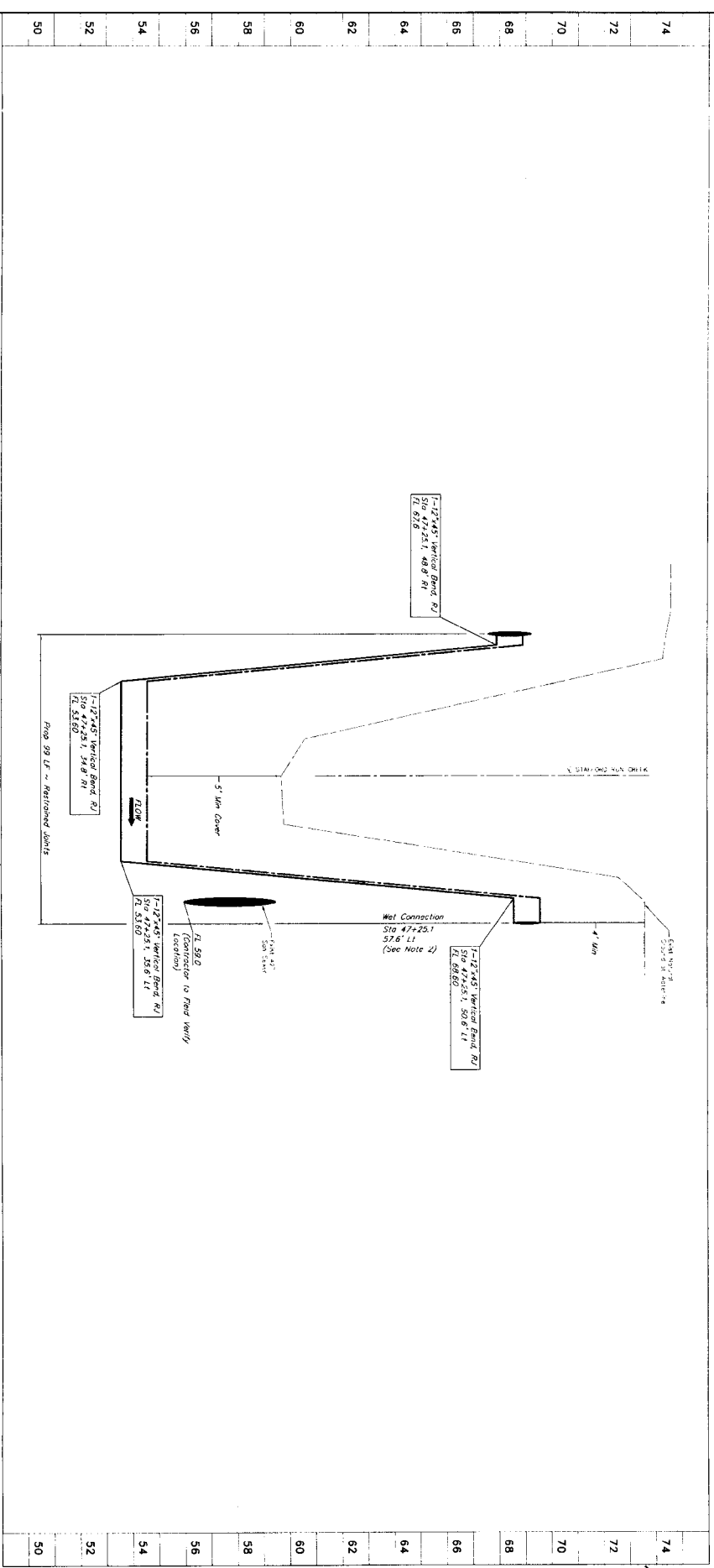
STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

STAFFORD RUN CREEK TRANSMISSION LINES - PHASE I

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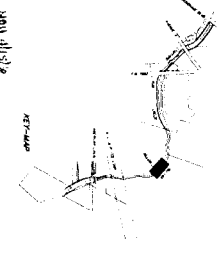
CREEK CROSSING



BRICK LANE
ELEVATION 82.00
STATION 10+00
ELEVATION 82.00
(NAD 83)

TABLE 2A
OUT SLOPE ON PVE 1% MET ON THE EAST SIDE OF
STAFFORD RUN CREEK AND THE NORTH SIDE OF BRICK L.
ELEVATION = 78.30
(NAD 83)
TABLE 2B
IN SLOPE ON PVE 1% MET ON THE EAST SIDE OF
STAFFORD RUN CREEK AND THE NORTH SIDE OF BRICK L.
ELEVATION = 78.30
(NAD 83)
TABLE 2C
IN SLOPE ON PVE 1% MET ON THE EAST SIDE OF
STAFFORD RUN CREEK AND THE NORTH SIDE OF BRICK L.
ELEVATION = 78.30
(NAD 83)
TABLE 2D
IN SLOPE ON PVE 1% MET ON THE EAST SIDE OF
STAFFORD RUN CREEK AND THE NORTH SIDE OF BRICK L.
ELEVATION = 78.30
(NAD 83)

- NOTES:**
- Contractor shall ensure and require concrete slope paving as required for construction of proposed waterline. This project considered under the 10% rule.
 - Contractor to verify location and elevation of existing 12" waterline connection to be made by cutting in a 12"x12" tie on and on (1) side view (2) top view. Approximate required for this connection is considered incidental to the connection.
 - Contractor to maintain positive drainage of proposed 12" waterline.
 - All existing utilities to be field verified.

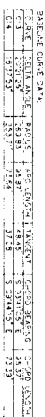


PRIVATE UTILITY LINES SHOWN
1-12" Waterline
1-12" Gasline
1-12" Sewerline
1-12" Stormwaterline
1-12" Electricline
1-12" Telephoneline
1-12" Cable TVline
1-12" Fire Alarmline
1-12" Irrigationline
1-12" Other Utilityline

TABLE 2A
OUT SLOPE ON PVE 1% MET ON THE EAST SIDE OF
STAFFORD RUN CREEK AND THE NORTH SIDE OF BRICK L.
ELEVATION = 78.30
(NAD 83)
TABLE 2B
IN SLOPE ON PVE 1% MET ON THE EAST SIDE OF
STAFFORD RUN CREEK AND THE NORTH SIDE OF BRICK L.
ELEVATION = 78.30
(NAD 83)
TABLE 2C
IN SLOPE ON PVE 1% MET ON THE EAST SIDE OF
STAFFORD RUN CREEK AND THE NORTH SIDE OF BRICK L.
ELEVATION = 78.30
(NAD 83)
TABLE 2D
IN SLOPE ON PVE 1% MET ON THE EAST SIDE OF
STAFFORD RUN CREEK AND THE NORTH SIDE OF BRICK L.
ELEVATION = 78.30
(NAD 83)

J.C. JONES & CARTER, INC.
ENGINEERS-PLANNERS-SURVEYORS
1000 Capital Square, Suite 1000, Fort Bend County, Texas 77458
Phone: (281) 341-1111
Fax: (281) 341-1112
Website: www.jcjc.com

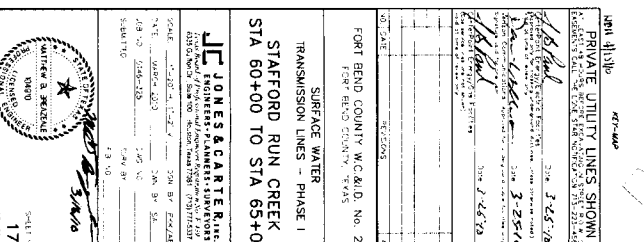
Matthew B. Gonzalez
Professional Engineer
No. 144
State of Texas



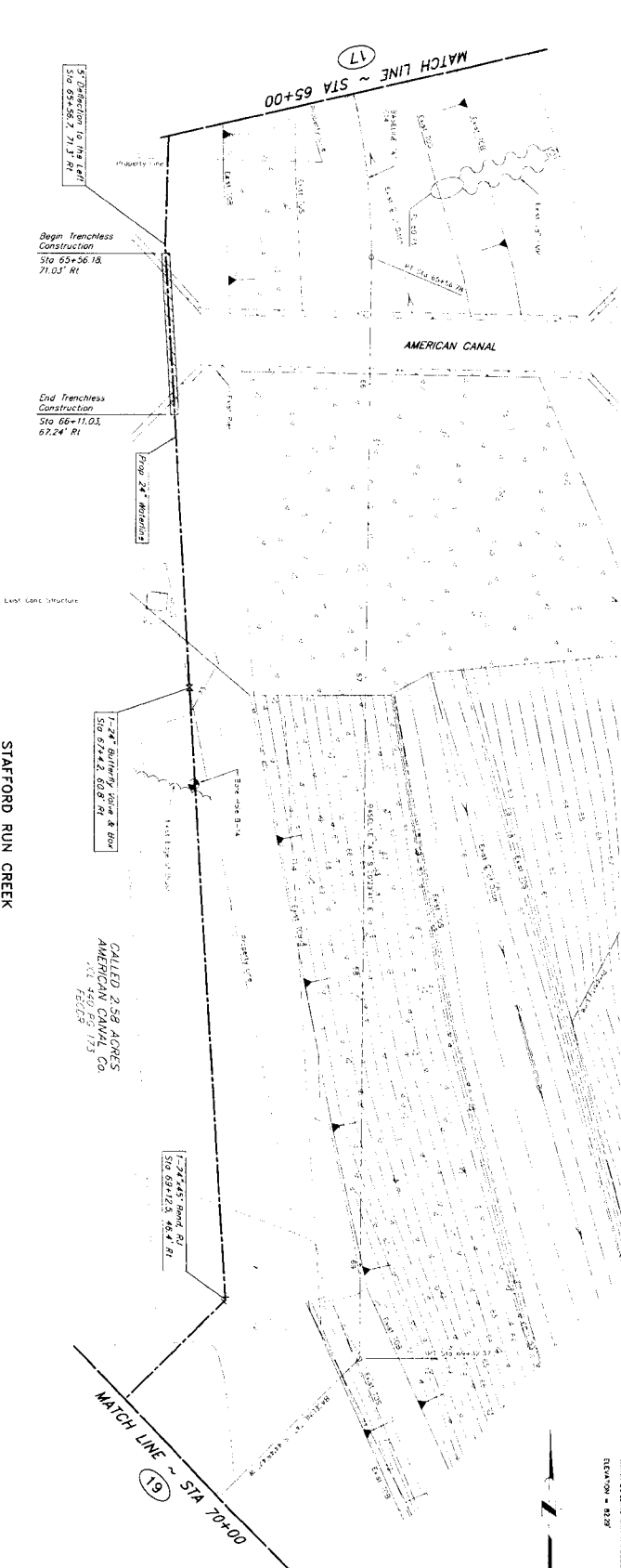
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|---|---|---|
| TEAM A: CU SQUARE ON TYPE "T" INLET ON THE EAST SIDE OF STAFFORD RUN CHECK AND THE NORTH SIDE OF ARKULE E. ELEVATION = 76.39' (NAND 08) | TEAM B: CU SQUARE ON END OF SIDEWALK ON NORTH SIDE OF STAFFORD RUN CHECK, SOUTHWEST OF THE INTERSECTION OF STAFFORD RUN ROAD AND FM 103 (SOUTH ROAD). ELEVATION = 76.39' (NAND 08) | TEAM C: CU SQUARE A HEADWALL AT THE SOUTHWEST CORNER OF THE BRK CONDUIT AND STAFFORD RUN CHECK. ELEVATION = 01.59' (NAND 08) |
|---|---|---|

NOTES:

STAFFORD RUN CREEK



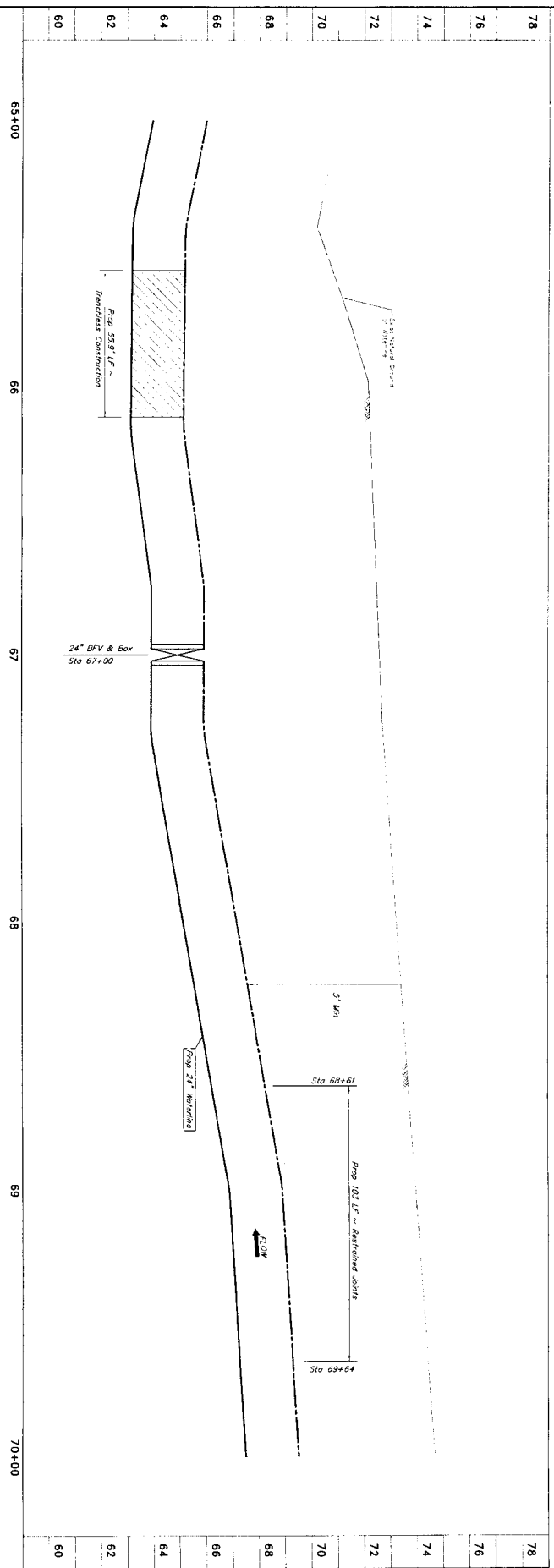
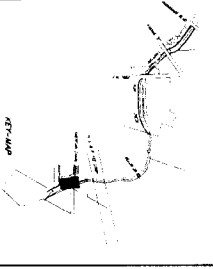
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BEACH MARK
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NOTES:
All existing utilities are to be field verified.



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PRIVATE UTILITY LINES SHOWN
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ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC MONUMENT - N 203 WEST, 110 AVE 123 LOCATED AT THE INTERSECTION OF NORTH MAIN STREET AND STAFFORD ROAD SET PERMANENTLY IN THE 1927 WEST BRICK WALL OF THE TAYLOR BUILDING WITH A PUBLISHED
ELEVATION = 82.73' (NAD 88)

CUT SQUARE ON TYPE "E" MEET ON THE EAST SIDE OF STANFORD MON CREEK AND THE NORTH SIDE OF AVENUE E
ELEVATION = 76.28' (NAVD 88)

I.B.M. "B"
CUT SQUARE ON END OF SIDEWALK ON NORTH SIDE OF
STANFORD RUN CREEK, SOUTHEAST OF THE INTERSECTION OF
STANFORD RUN ROAD AND FM 1795 (MURPHY ROAD).

T.B.M. "C"
CUT SQUARE IN HEADWALL AT THE SOUTHWEST
INTERSECTION OF THE BPA CANAL AND STAFFORD

1 All existing utilities are to be field
verified.

east of the future watering location.

west of the proposed waterline location.

REF-MAF

for 4/15/10

STATEMENTS CALL THE LINE 5 AIR NOTIFICATION 755-2255

1/15 Paul

2010 5-25

Received of the Treasurer of the
 Board of Directors of the
 City of New York
 the sum of \$100.00
 for the year 1900
 100

FIGURE 1 The effect of the size of the sample on the probability of detecting a change in the mean of a normal distribution.

0. CAT
RESCOS

PORTLAND CEMENT, TEXAS

SURFACE WATER

STAFFORD RUN CREEK
STA 70+00 TO STA 73+

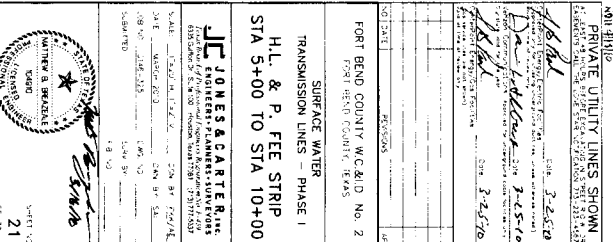
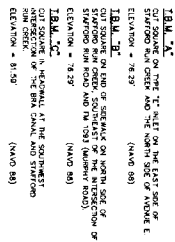
J. JONES & CARTER, INC.
ENGINEERS • PLANNERS • SURVEYORS
1000 North 10th Street, Suite 100, St. Paul, MN 55102
(612) 221-1100

| | | | |
|-------|-------------------|---------|------|
| SCALE | 1"=20' H, 1"=2' V | CON BY: | PER: |
| DATE | MARCH 22, 1912 | CAN BY: | MAN: |

100-443886-1

MA
MATTHEW B. BEAZALE
SOLD
5051

10



BENCH MARK
STATIONARY MARK - 100' WEST OF EAST SIDE OF
ROAD, SET PERMANENTLY IN THE CONCRETE SIDEWALK OF THE
ROAD, MARKED WITH A 100' SPIRIT
ELEVATION = 82.29 (NAD 83)

1.B.M. 23
ON THE EAST SIDE OF
STATIONARY MARK - 100' WEST OF EAST SIDE OF
ROAD, SET PERMANENTLY IN THE CONCRETE SIDEWALK OF THE
ROAD, MARKED WITH A 100' SPIRIT
ELEVATION = 78.29 (NAD 83)
1.B.M. 24
ON THE EAST SIDE OF
STATIONARY MARK - 100' WEST OF EAST SIDE OF
ROAD, SET PERMANENTLY IN THE CONCRETE SIDEWALK OF THE
ROAD, MARKED WITH A 100' SPIRIT
ELEVATION = 78.29 (NAD 83)
1.B.M. 25
ON THE EAST SIDE OF
STATIONARY MARK - 100' WEST OF EAST SIDE OF
ROAD, SET PERMANENTLY IN THE CONCRETE SIDEWALK OF THE
ROAD, MARKED WITH A 100' SPIRIT
ELEVATION = 78.29 (NAD 83)

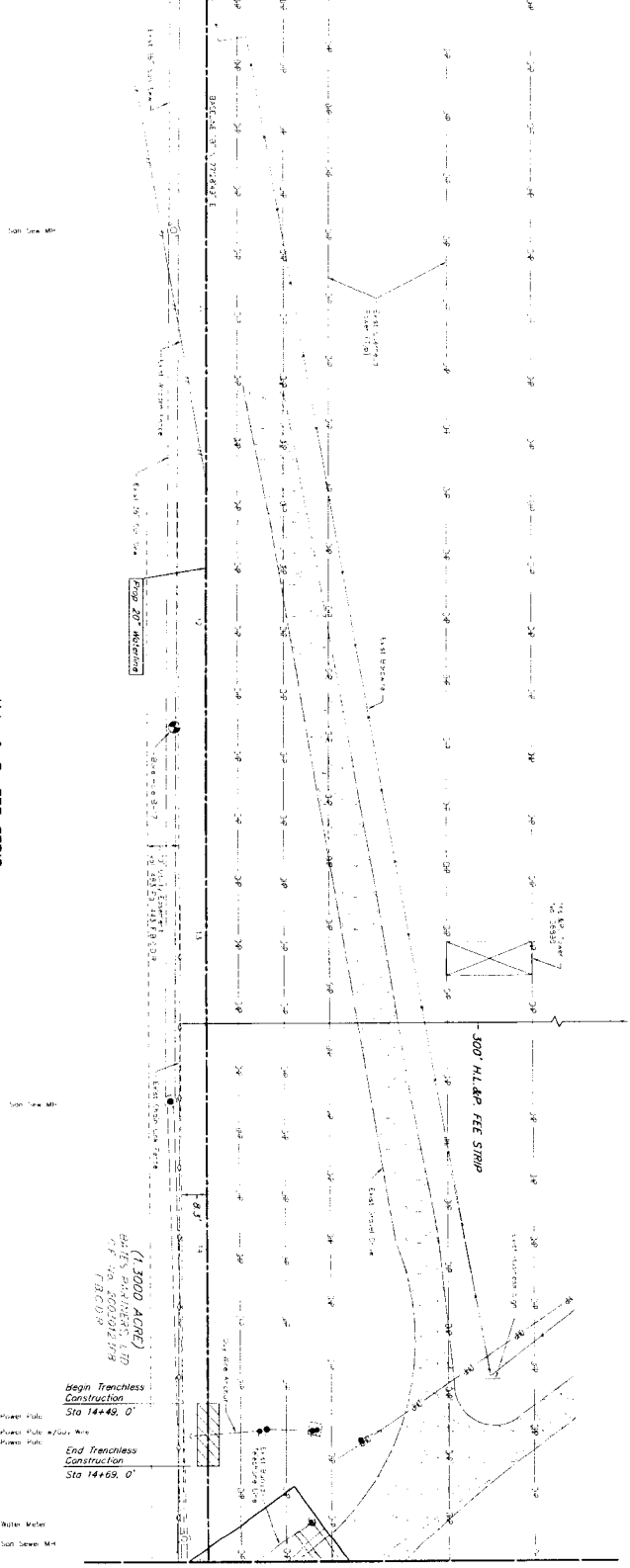
21

MATCH LINE ~ STA 10+00

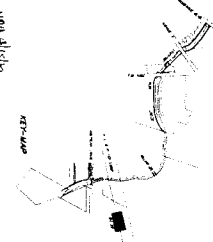
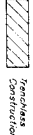
23

MATCH LINE ~ STA 15+00

H.L. & P. FEE STRIP



NOTE:
All existing utilities are to be
field verified



NOT A SCALE

PRIVATE UTILITY LINES SHOWN

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10+00 | 10+20 | 10+40 | 10+60 | 10+80 | 11+00 | 11+20 | 11+40 | 11+60 | 11+80 | 12+00 | 12+20 | 12+40 | 12+60 | 12+80 | 13+00 | 13+20 | 13+40 | 13+60 | 13+80 | 14+00 | 14+20 | 14+40 | 14+60 | 14+80 | 15+00 |
| 10+00 | 10+20 | 10+40 | 10+60 | 10+80 | 11+00 | 11+20 | 11+40 | 11+60 | 11+80 | 12+00 | 12+20 | 12+40 | 12+60 | 12+80 | 13+00 | 13+20 | 13+40 | 13+60 | 13+80 | 14+00 | 14+20 | 14+40 | 14+60 | 14+80 | 15+00 |

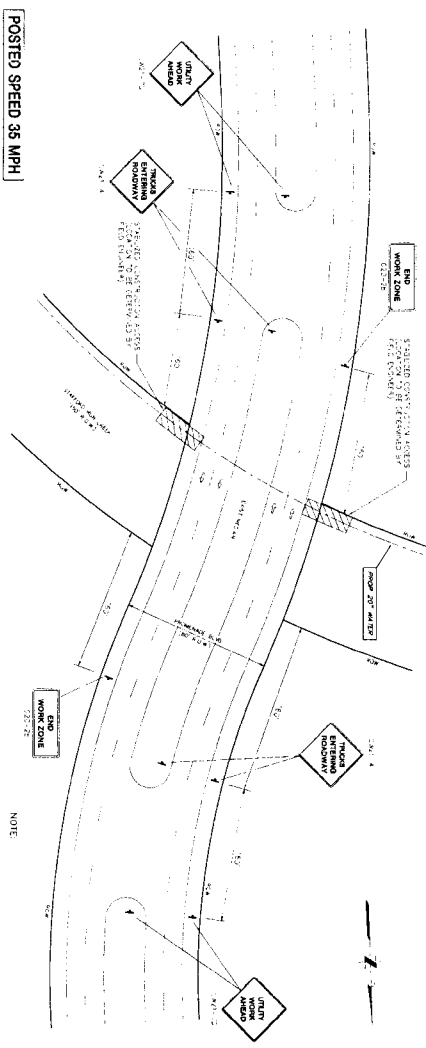
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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10+00 | 10+20 | 10+40 | 10+60 | 10+80 | 11+00 | 11+20 | 11+40 | 11+60 | 11+80 | 12+00 | 12+20 | 12+40 | 12+60 | 12+80 | 13+00 | 13+20 | 13+40 | 13+60 | 13+80 | 14+00 | 14+20 | 14+40 | 14+60 | 14+80 | 15+00 |
| 10+00 | 10+20 | 10+40 | 10+60 | 10+80 | 11+00 | 11+20 | 11+40 | 11+60 | 11+80 | 12+00 | 12+20 | 12+40 | 12+60 | 12+80 | 13+00 | 13+20 | 13+40 | 13+60 | 13+80 | 14+00 | 14+20 | 14+40 | 14+60 | 14+80 | 15+00 |

PORT BEND COUNTY M.C.A.D. NO. 2
FORT BEND COUNTY, TEXAS

SURFACE WATER
TRANSMISSION LINES - PHASE I
H.L. & P. FEE STRIP
STA 10+00 TO STA 15+00

J.C. JONES & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
10000 N. FORT BEND ROAD, SUITE 100
FORT BEND COUNTY, TEXAS 77459
TEL: 281-344-1111 FAX: 281-344-1112
WWW.JCJONES.COM

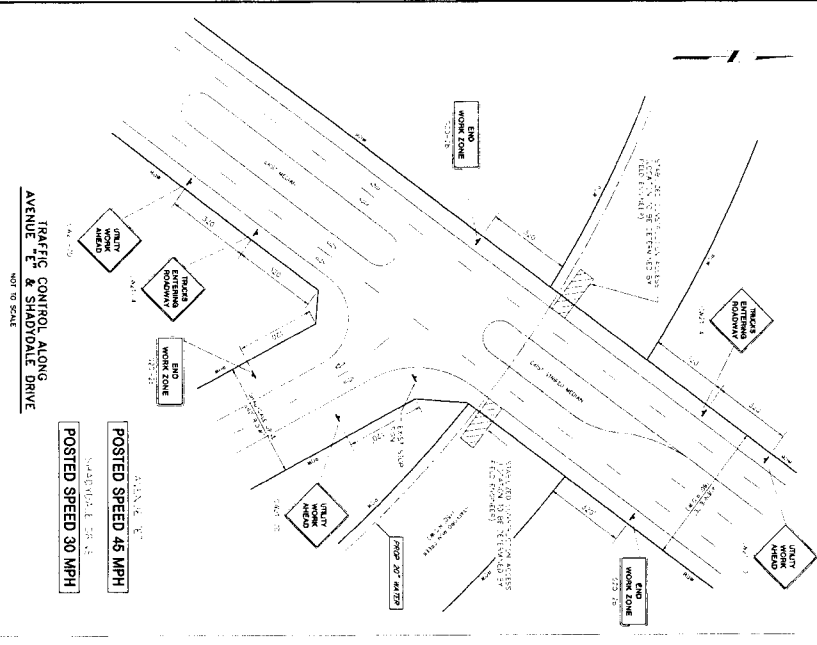




POSTED SPEED 35 MPH

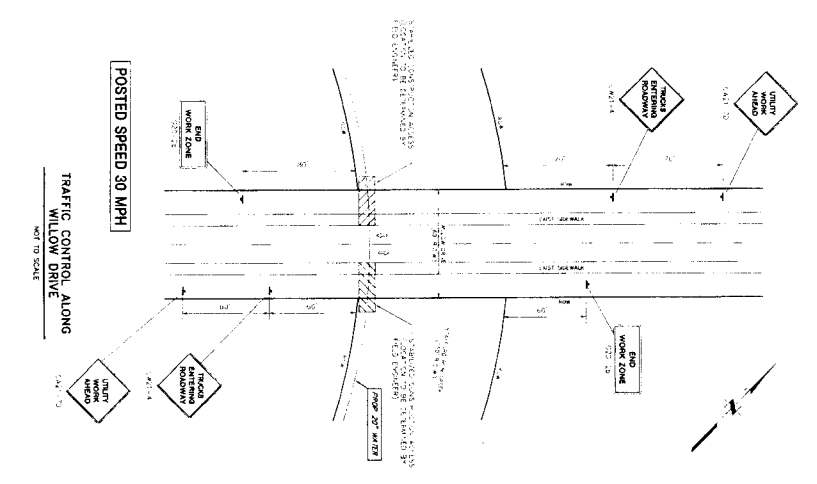
TRAFFIC CONTROL ALONG PROMENADE BLVD.
NOT TO SCALE

NOTE:
SPACE SIGNING IN URBAN AREAS REQUIRES CONTRACTOR TO PLACE ONLY IF DISTANCE REQUIREMENTS ARE SATISFIED BY PLACEMENT.



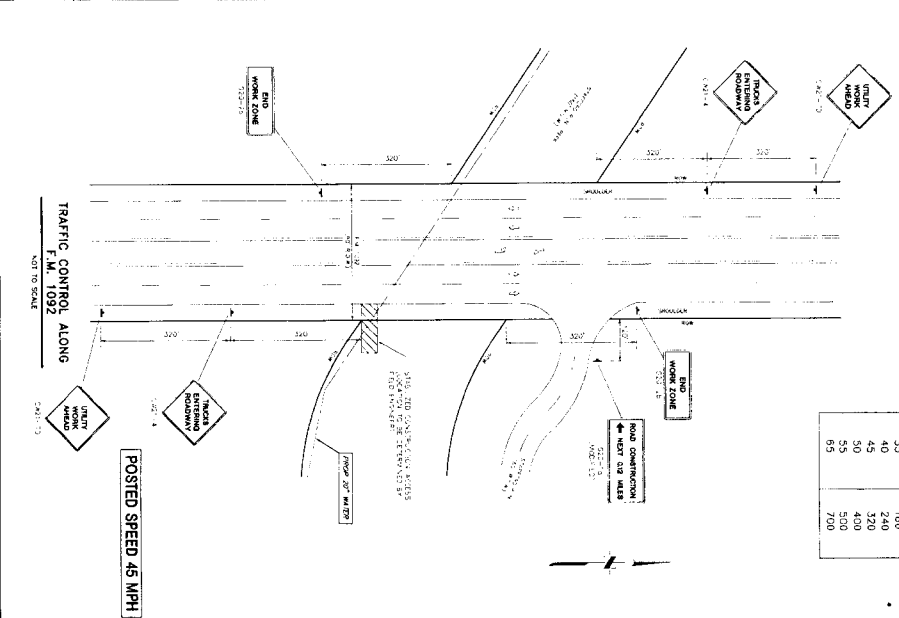
TRAFFIC CONTROL ALONG AVENUE E
NOT TO SCALE

POSTED SPEED 45 MPH
POSTED SPEED 30 MPH



TRAFFIC CONTROL ALONG WILLOW DRIVE
NOT TO SCALE

POSTED SPEED 30 MPH



TRAFFIC CONTROL ALONG F.M. 1092
NOT TO SCALE

POSTED SPEED 45 MPH

| Posted Speed or Distance (ft) | 30 or less | 35 | 40 | 45 | 50 | 55 | 60 |
|-------------------------------|------------|-----|-----|-----|-----|-----|-----|
| Space | 120 | 160 | 240 | 320 | 400 | 500 | 700 |

- NOTES:
- CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART 4 OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUD) - 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 THROUGH FRIDAY.
 - OFF DUTY POLICE OFFICERS/PLACEMENTS ARE REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED.
 - CONTRACTOR SHALL COVER THE EXCAVATION WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND ALLOW NORMAL TRAFFIC FLOW.
 - 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, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN AND SUBMIT ALTERNATE PLANS TO TRAFFIC SECTION OF HARD FOR APPROVAL. TEN WORKING DAYS PRIOR TO IMPLEMENTATION.
 - IF THE PROJECT IS WITHIN 400 FEET FROM A SIGNALIZED INTERSECTION, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE INFRASTRUCTURE DEPARTMENT SIGNAL DIVISION AT 281-533-7500 FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

LEGEND

STABILIZED CONSTRUCTION ACCESS
(TO BE DETERMINED BY FIELD ENGINEER)

OPEN TO TRAFFIC
SIGN WITH POST
TUBULAR MARKERS, CONES OR DRUMS

DATE: 11/15/10

PROJECT: FORT BEND COUNTY W.C.B.D. NO. 2

TRANSMISSION LINES - PHASE I

TRAFFIC CONTROL PLAN

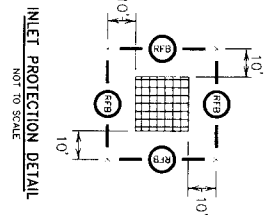
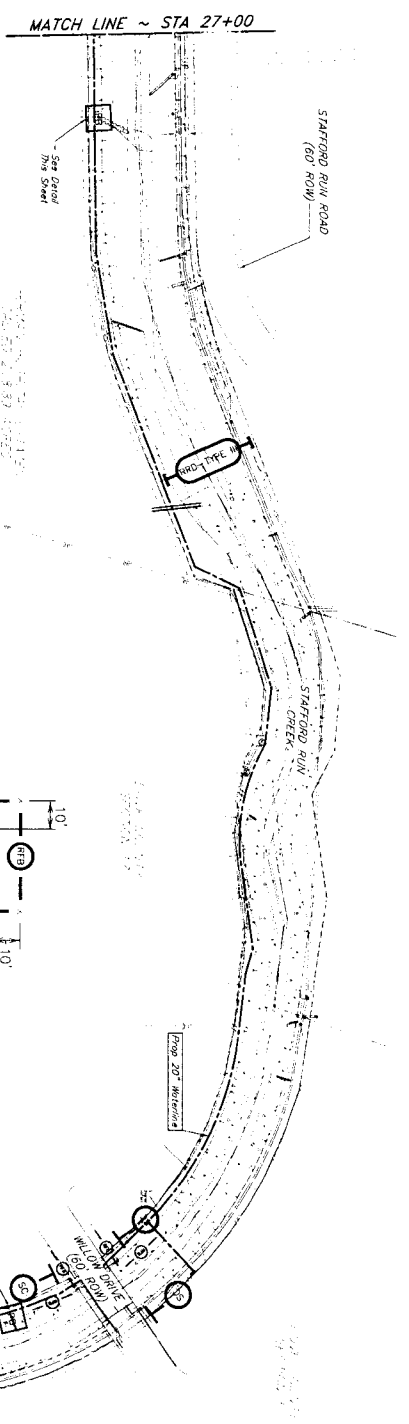
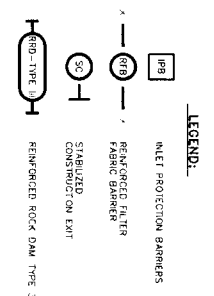
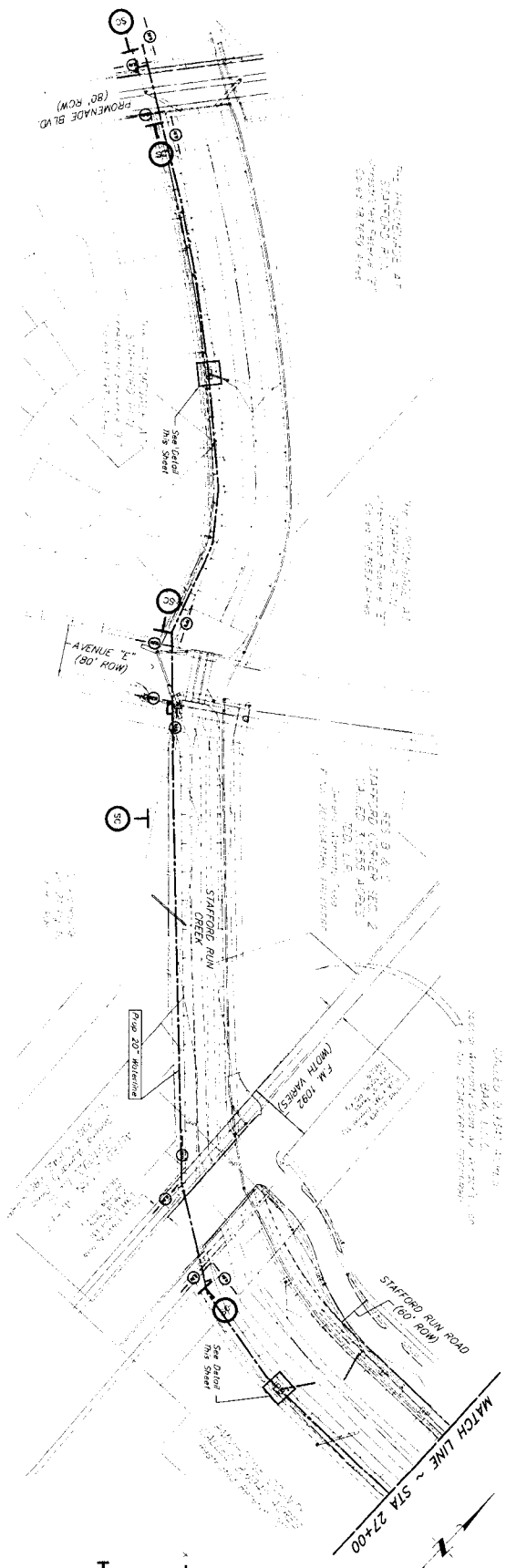
SCALE: 1" = 20' (PLAN) 1" = 10' (ELEVATION)

DATE: 11/15/10

BY: J. M. KENNEDY

FOR: J. M. KENNEDY

SHEET NO. 24



DATE 11/2/10

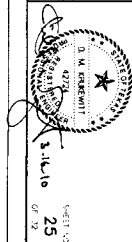
| | | | |
|-----|---------|-------------|-----|
| NO. | DATE | DESCRIPTION | BY |
| 1 | 11/2/10 | DESIGN | JAC |
| 2 | 11/2/10 | REVISION | JAC |

FORT BEND COUNTY W.C.A.D. No. 2
FORT BEND COUNTY, TEXAS

SURFACE WATER
TRANSMISSION LINES - PHASE 1
STORM WATER
POLLUTION PREVENTION
PLAN 1 OF 2

J. JONES & CARTER, INC.
ENGINEERS-PLANNERS-ARCHITECTS
14000 Katy Freeway, Suite 100
Houston, Texas 77050
Tel: 281.460.1100
Fax: 281.460.1101
www.jonesandcarter.com

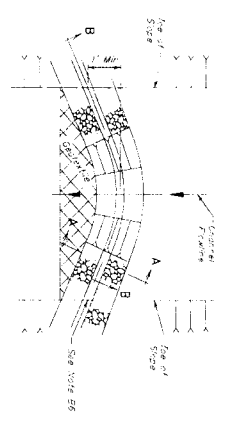
Scale: 1" = 20'
DATE: 11/2/10
DRAWN BY: JAC
CHECKED BY: JAC
DATE: 11/2/10
1:8 AC



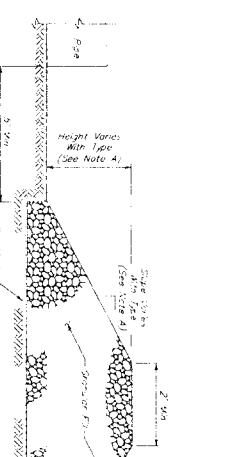
FLTER DAM NOTES:

1. MEASURE OF REINFORCED ROCK DAM
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99. MEASURE OF REINFORCED ROCK DAM
100. MEASURE OF REINFORCED ROCK DAM

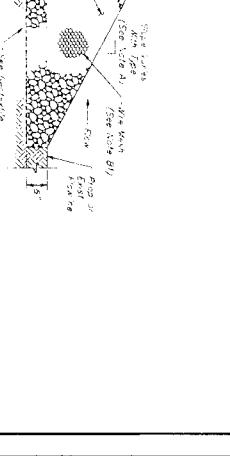
IN-CHANNEL, REINFORCED ROCK DAM PLAN VIEW



SECTION "A-A"

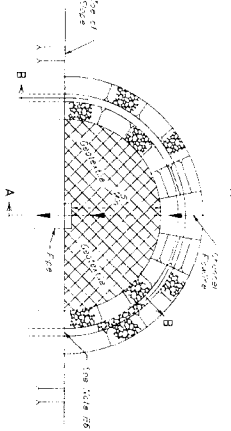


SECTION "B-B"

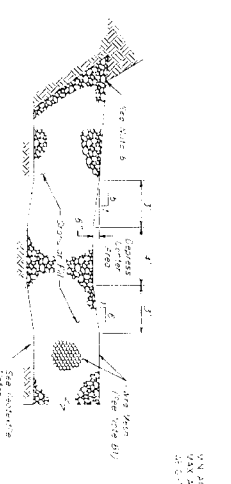


REINFORCED ROCK DAM DETAILS

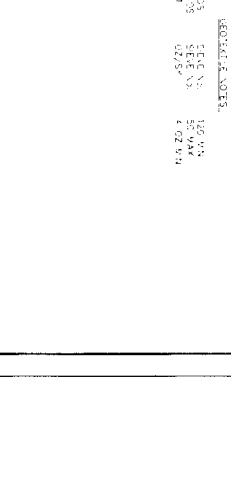
REINFORCED ROCK DAM AT OUTLET PIPE PLAN VIEW



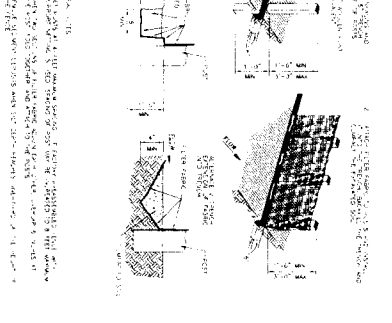
SECTION "A-A"



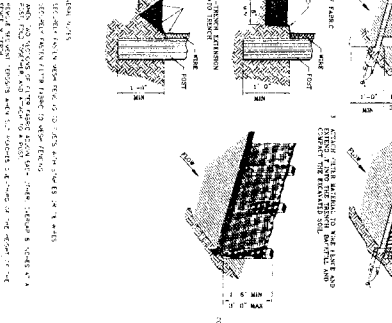
SECTION "B-B"



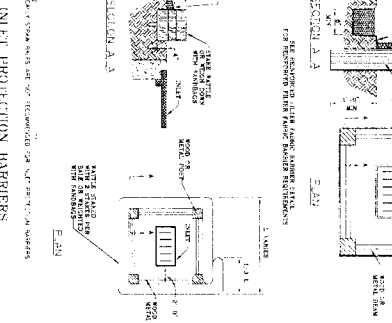
FLTER FABRIC LENCE



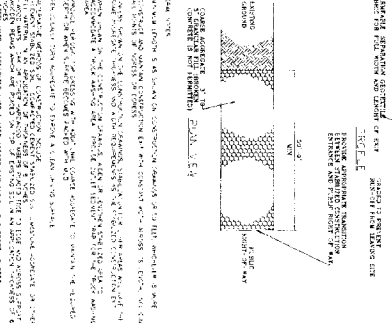
REINFORCED FILTER FABRIC BARRIER



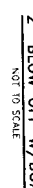
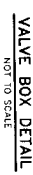
INLET PROJECTION BARRIERS



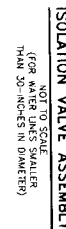
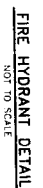
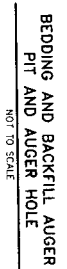
STABILIZED CONSTRUCTION ACCESS



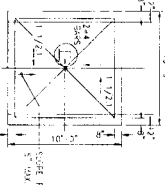
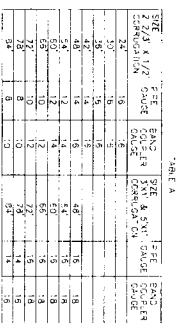
| | |
|----------------------------------|--|
| NO. 41210 | |
| FORT BEND COUNTY, TEXAS, No. 2 | |
| TRANSMISSION LINES - PHASE I | |
| STORM WATER | |
| POLLUTION PREVENTION | |
| DETAILS | |
| J.C. JONES & COMPANY | |
| ENGINEERS, ARCHITECTS, PLANNERS | |
| 1000 WEST 10TH STREET, SUITE 100 | |
| FORT WORTH, TEXAS 76102 | |
| SCALE - SEE SECTION | |
| DATE - JANUARY 1973 | |
| BY - J.C. JONES | |
| CHECKED BY - J.C. JONES | |
| APPROVED BY - J.C. JONES | |
| SHEET NO. 27 | |
| OF 32 | |



NOTES:

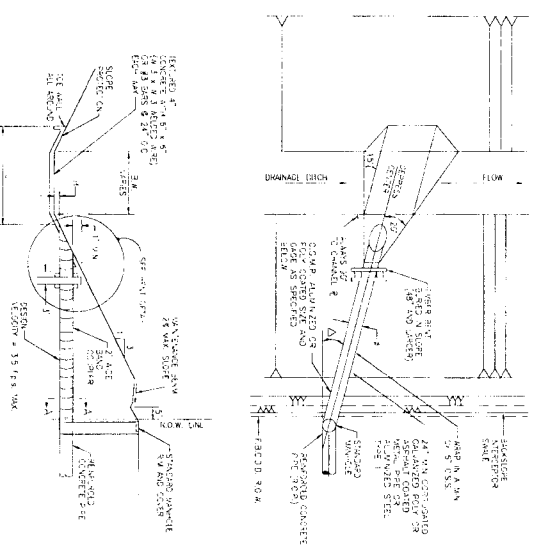
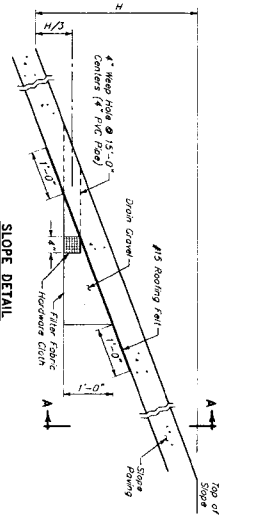
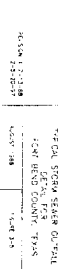
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STATE OF TEXAS
MATT B. SEALE
10480
PROFESSIONAL ENGINEER
3/16/10

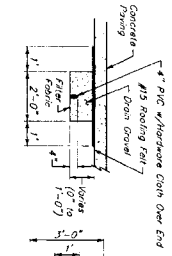


| | | |
|--|-----------|--|
| SYNOPSIS | 7-27-00 | |
| DATE | 2-9-02-07 | |
| TYPICAL SLOPE - 70% DETAIL FOR BLEND CONC'RY EXPOS | | |

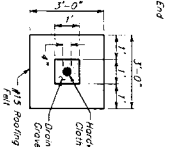
| SIZE | PRICE | SIZE | PRICE | BAND |
|---------------|---------------|---------------|---------------|---------------|
| 2 1/2" x 1/2" | 2 1/2" x 1/2" | 2 1/2" x 1/2" | 2 1/2" x 1/2" | 2 1/2" x 1/2" |
| 10 | 10 | 10 | 10 | 10 |
| 20 | 20 | 20 | 20 | 20 |
| 40 | 40 | 40 | 40 | 40 |
| 60 | 60 | 60 | 60 | 60 |
| 80 | 80 | 80 | 80 | 80 |
| 100 | 100 | 100 | 100 | 100 |
| 120 | 120 | 120 | 120 | 120 |
| 140 | 140 | 140 | 140 | 140 |
| 160 | 160 | 160 | 160 | 160 |
| 180 | 180 | 180 | 180 | 180 |
| 200 | 200 | 200 | 200 | 200 |

[illegible]

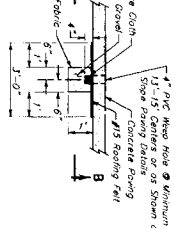
SLOPE DETAIL



SECTION "A-A"

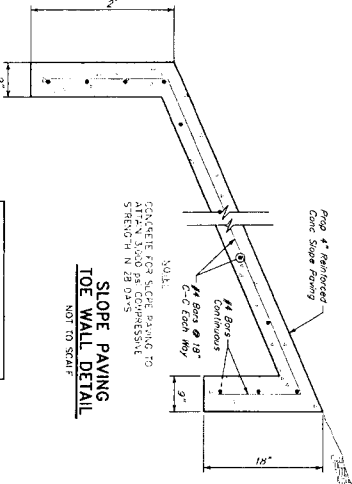
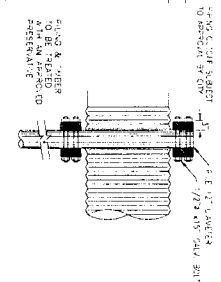
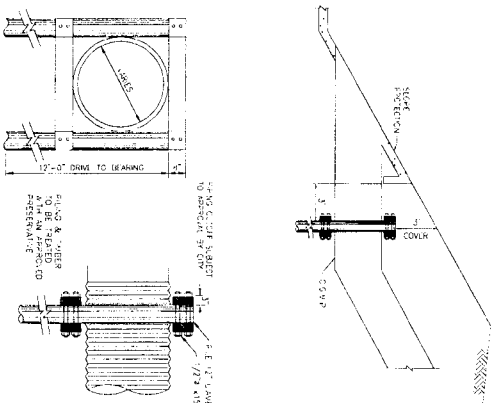


SECTION "B-B"



BOTTOM SLAB DETAIL

TYPE "B" HOLE DETAIL



**SLOPE PAVING
TOE WALL DETAIL**

CONCRETE FOR SLOPE PAVING TO
ATTAIN 3000 PSI COMPRESSIVE
STRENGTH IN 28 DAYS

| DRAIN GRAVEL | |
|--------------|---------|
| SIEVE SIZE | % FINER |
| 1" | 100 |
| 3/4" | 70-100 |
| 3/8" | 20-90 |
| No. 4 | 0-60 |
| No. 8 | 0 |

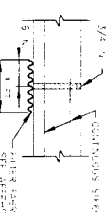
HARDWARE CLOTH

| | |
|---------------------------|-----|
| MAX WIDTH OF MESH OPENING | 1/4 |
| MIN WIDTH OF MESH OPENING | 1/8 |

FILTER FABRIC:

| | |
|-------------------------------|---------|
| FILTER FABRIC: | |
| NON - WOVEN GEOTEXTILE | |
| MAX EQUIVALENT OPENING SIEVE | No. 50 |
| MIN EQUIVALENT OPENING SIEVE | No. 120 |
| MIN WEIGHT (OZ/SY) | 6 |

SLOPE PAVING DETAILS

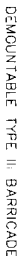
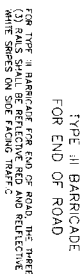


CONSTRUCTION JOINT

1. MATERIALS AND METHODS: 20 SUBJECTS PARTICIPATED IN THE STUDY. THE SUBJECTS WERE DIVIDED INTO TWO GROUPS: A CONTROL GROUP AND A TREATMENT GROUP. THE TREATMENT GROUP RECEIVED A COURSE OF 10 SESSIONS OF TENS TREATMENT OVER A PERIOD OF 2 WEEKS. THE CONTROL GROUP DID NOT RECEIVE ANY TENS TREATMENT.
2. SUBJECTS: 20 SUBJECTS PARTICIPATED IN THE STUDY. 10 WERE MALES AND 10 WERE FEMALES. THE SUBJECTS WERE DIVIDED INTO TWO GROUPS: A CONTROL GROUP AND A TREATMENT GROUP. THE TREATMENT GROUP RECEIVED A COURSE OF 10 SESSIONS OF TENS TREATMENT OVER A PERIOD OF 2 WEEKS. THE CONTROL GROUP DID NOT RECEIVE ANY TENS TREATMENT.
3. TENS TREATMENT: THE TENS TREATMENT WAS APPLIED TO THE LOWER BACK MUSCLES OF THE TREATMENT GROUP. THE TENS WERE APPLIED IN A RECTANGULAR PATTERN. THE TENS WERE APPLIED FOR 10 MINUTES PER SESSION, 5 TIMES A WEEK, FOR 2 WEEKS.
4. DATA COLLECTION: DATA WERE COLLECTED AT THREE TIME POINTS: BEFORE THE TENS TREATMENT, AFTER THE TENS TREATMENT, AND 2 WEEKS AFTER THE TENS TREATMENT.
5. DATA ANALYSIS: THE DATA WERE ANALYZED USING A TWO-WAY ANOVA TEST. THE RESULTS WERE PRESENTED IN THE FORM OF MEANS AND STANDARD DEVIATIONS.
6. RESULTS: THE RESULTS SHOWED THAT THE TENS TREATMENT HAD A SIGNIFICANT EFFECT ON THE LOWER BACK PAIN AND FUNCTION OF THE SUBJECTS. THE TENS TREATMENT GROUP SHOWED A SIGNIFICANT REDUCTION IN PAIN AND AN IMPROVEMENT IN FUNCTION COMPARED TO THE CONTROL GROUP.
7. CONCLUSION: THE STUDY CONCLUDED THAT TENS TREATMENT IS AN EFFECTIVE METHOD FOR THE TREATMENT OF LOWER BACK PAIN AND IMPROVEMENT OF FUNCTION. THE TENS TREATMENT GROUP SHOWED A SIGNIFICANT REDUCTION IN PAIN AND AN IMPROVEMENT IN FUNCTION COMPARED TO THE CONTROL GROUP.
8. FURTHER STUDIES: FURTHER STUDIES ARE NEEDED TO CONFIRM THE RESULTS OF THIS STUDY. FURTHER STUDIES SHOULD ALSO INVESTIGATE THE EFFECTS OF TENS TREATMENT ON OTHER MUSCULAR GROUPS AND ON LONG-TERM OUTCOMES.
9. REFERENCES: 1. GARDNER, J. W. (1997). THE EFFECTS OF TENS TREATMENT ON LOWER BACK PAIN AND FUNCTION. *Journal of Electromyography and Kinesiology*, 7(1), 1-10.
10. REFERENCES: 1. GARDNER, J. W. (1997). THE EFFECTS OF TENS TREATMENT ON LOWER BACK PAIN AND FUNCTION. *Journal of Electromyography and Kinesiology*, 7(1), 1-10.

[illegible]

SET 10
30
11

[illegible]

BARBERS ARE TO BE COATS MADE OF CLEAN MATERIALS, NOT OF WOOD, BUT OF METAL OR NOT STIRRED SHALL BE WHITE EXCEPT THE UNPAINTED GALVANIZED METAL OR ALUMINUM. THE UNPAINTED GALVANIZED METAL OR ALUMINUM COMPONENTS SHALL BE POLISHED. THE COATS SHALL BE PAINTED WITH A MINIMUM OF TWO COATS OF AN APPROVED BRAND OF WHITE PAINT TO SECURE THOROUGH COVERAGE AND A DURABLE FINISH COATING.

THE RELATIONSHIP BETWEEN THE UNPAINTED COATING AND THE UNPAINTED COATING SHALL BE MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN EACH BARBER IN A CLEAN AND GOOD CONDITION.

PARADES SHALL BE PERFORMED UPON COMPLETION OF THE WORK AND/OR THE ELIMINATION OF THE HAZARD ON ANY SECTION.

[illegible]

TRAFFIC CONES AND TUBULAR MARKERS SHALL BE A MIN OF 12 INCHES IN HEIGHT WITH A SCHED 40 BLACK STEEL TUBULAR MARKER. TUBULAR MARKERS SHALL BE IMPACT WITHOUT DAMAGE TO THEMSELVES OR TO VEHICLES. LARGER SIZES SHOULD BE USED ON FREEWAYS AND OTHER ROADWAYS WHERE SPEED ARE RELATIVELY HIGH OR WHERE THERE ARE OBSTACLES TO COLLISION. REFLECTORIZED CONES SHOULD BE USED ON FREEWAYS AND OTHER ROADWAYS WHERE THERE ARE OBSTACLES TO COLLISION. PREDOMINANT COLOR ON CONES AND TUBULAR MARKERS, THEY SHOULD BE KEPT CLEAN AND READY FOR MAXIMUM TARGET VALUE FOR NIGHTTIME USE. THEY SHALL BE WHITE. CONES SHALL BE 18 INCHES IN DIAMETER. LIGHTING DEVICES FOR MAX VISIBILITY. REFLECTORIZED MATERIAL SHALL HAVE A SMOOTH, SEALED OUTER SURFACE WHICH WILL DISPLAY THE SAME APPROX COLOR



DEMOUNTABLE

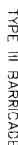
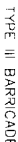
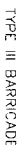


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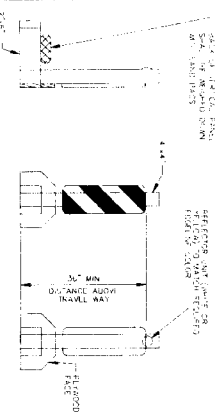
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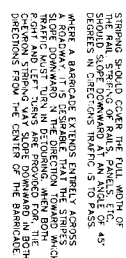
VERTICAL PANELS ARE NORMALLY USED AS CHANNELIZING DEVICES TO INDICATE TANGENT OR NEARLY TANGENT ROADWAY ALIGNMENT WHERE GOOD TARGET VALUE OF A DEVICE IS NEEDED IN DAYTIME AS WELL AS AT NIGHTTIME. IN ADDITION, VERTICAL PANELS SHOULD BE USED AT THE EDGE OF SHOULDER DROP-OFFS AND OTHER SUCH AREAS AS LANE TRANSITIONS WHERE POSITIVE DAY AND NIGHT DELINEATION MAY BE REQUIRED. VERTICAL PANELS SHOULD BE MOUNTED BACK TO BACK IF USED AT THE EDGE OF CUTS ADJACENT TO TWO-WAY TWO-LANE HOVWAYS. STRIPS SHOULD ALWAYS SLOPE DOWNWARD TOWARD THE TRAVELED WAY.



OTHER SIMILAR SUPPORTS MAY BE USED WHEN APPROVED
OR DIRECTED BY THE COM DEPT OF TRAFFIC AND
TRANS-PORTATION



FOR ALL TYPES OF BARRICADES WITH RAILS LESS THAN 3'-0" LONG, STRIPES 4" WIDE SHALL BE USED. IDENTIFICATION MARKINGS MAY BE SHOWN ONLY ON BACK SIDE OF BARRICADE RAILS.



WHERE A BARRICADE EXTENDS ENTIRELY ACROSS A ROADWAY, IT MUST BE SUBDIVIDED INTO SECTIONS BY A ROW OF TRAFFIC CONES OR TRAFFIC SIGNS. TRAFFIC MUST TURN IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE. STRIPING SHOULD COVER THE FULL WIDTH OF THE ROAD, STRIPING OF RAILS, PANELS, ETC., SHOULD SLOPE DOWNWARD AT AN ANGLE OF 45 DEGREES IN DIRECTIONS TRAFFIC IS TO PASS.

NG13 41151/10

FOR BEND COUNTY W.C.&I.D. No. 2

**SURFACE WATER
TRANSMISSION LINES - PHASE I**

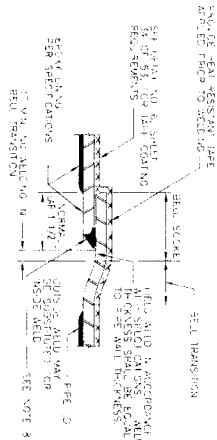
BARRICADE
STANDARDS

J. JONES & CARTER, INC.
ENGINEERS • PLANNERS • SURVEYORS
P.O. Box 100, Fort Worth, Texas 76101

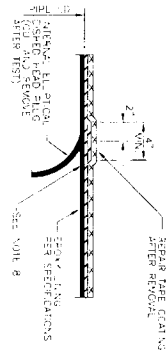
0335 GARDEN ST., STE. 103 HOUSTON, TEXAS 77001 (713) 777-5300

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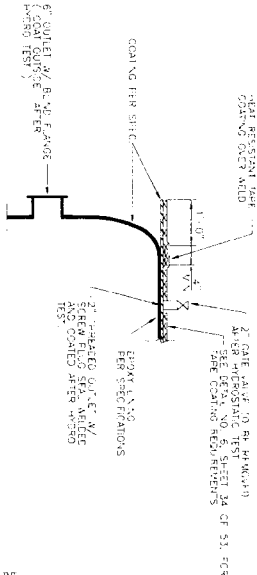




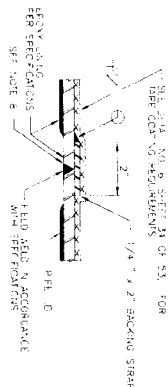
LAP-WELD FIELD JOINT-STEEL PIPE
NOT TO SCALE



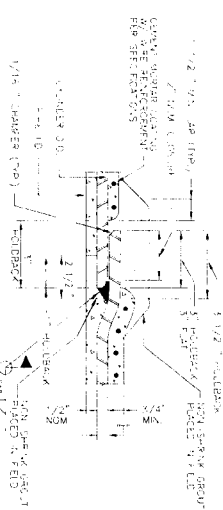
INTERNAL ELLIPTICAL DISHED HEAD PLUG REMOVAL STEEL PIPE
NOT TO SCALE



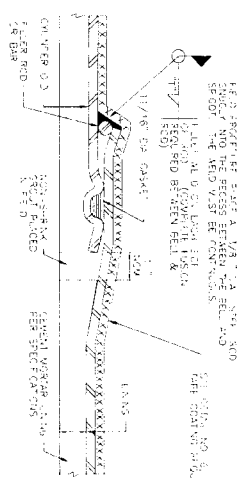
INTERNAL ELLIPTICAL DISHED HEAD PLUG STEEL PIPE
NOT TO SCALE



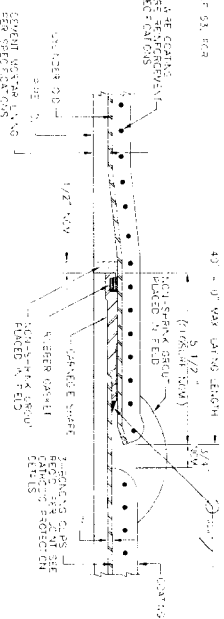
BUT WELD FIELD JOINT - STEEL PIPE (TAPE COATED)
NOT TO SCALE



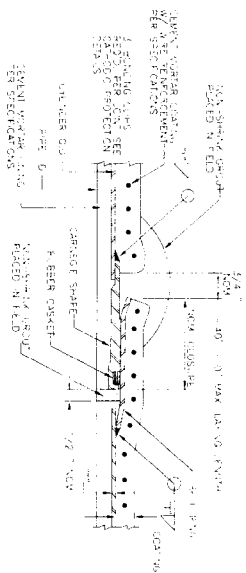
LAP-WELD FIELD JOINT STEEL PIPE WITH CEMENT MORTAR COATING
NOT TO SCALE



FIELD WELDED O-RING JOINT
NOT TO SCALE



ROLLED JOINT STEEL PIPE
NOT TO SCALE



CARNEGIE JOINT - STEEL PIPE
NOT TO SCALE

NOTES:

1. ALL STEEL PIPE SHALL BE GRADE 50 AND USE OF FIELD ATTACHMENTS SHALL BE APPROVED BY ENGINEER AND PIPE MANUFACTURER (SEE DETAIL NO. 9, THIS SHEET FOR DIMENSIONS) REFER TO DETAIL NO. 4 FOR STANDARD WELDED JOINTS.
2. ALL STEEL PIPE SHALL BE GRADE 50 AND USE OF FIELD ATTACHMENTS SHALL BE APPROVED BY ENGINEER AND PIPE MANUFACTURER (SEE DETAIL NO. 9, THIS SHEET FOR DIMENSIONS) REFER TO DETAIL NO. 4 FOR STANDARD WELDED JOINTS.
3. ALL STEEL PIPE SHALL BE GRADE 50 AND USE OF FIELD ATTACHMENTS SHALL BE APPROVED BY ENGINEER AND PIPE MANUFACTURER (SEE DETAIL NO. 9, THIS SHEET FOR DIMENSIONS) REFER TO DETAIL NO. 4 FOR STANDARD WELDED JOINTS.
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2011 4/15/10

| NO. | DATE | REVISIONS |
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| 1 | 2011 4/15/10 | ISSUED |

PORT BEND COUNTY WELDED NO. 2 SURFACE WATER TRANSMISSION LINES - PHASE I STEEL PIPE DETAILS

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| JONES & CARTER ENGINEERS-PLANNERS-SURVEYORS 505 S. 10th Street, Suite 100, Fort Bend County, TX 77457 | DATE: 4/15/10 DRAWN BY: JAC/ML CHECKED BY: JAC/ML DATE: 4/15/10 SCALE: AS SHOWN SHEET NO.: 32 OF 32 |
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