

12T

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 24 day of AUGUST, 2010, before the Fort Bend Commissioners Court came on to be heard and reviewed the accompanying notice of REDDICO CONSTRUCTION COMPANY, INC.

Job Location OLD VILLAGE LANE, SPANISH GRANT DRIVE, TOWNWEST BLVD, DITCH VII-A-1 AND DITCH VII-A-1a

Dated 08/10/10 BOND NO. 230 85 76

Permit No. 83804

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 Prestage, duly put and carried, it is ORDERED, ADJUGED 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.

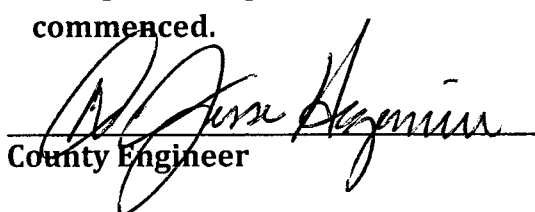
Notes:

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


County Engineer

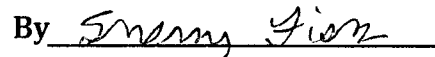
By

Drainage District Engineer/Manager

Presented to Commissioners Court
and approved.

Recorded in Volume 8-24-10
Minutes of Commissioners Court.

Clerk of Commissioners Court

By 
Deputy

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

AUTHORIZED

BOND NO 230 85 76

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, Reddico Construction Company, Inc. whose address is 10083 FM 1484, Conroe, Texas 77303, Texas, hereinafter called the Principal, and Insurance Company of the West, a Corporation existing under and by virtue of the laws of the State of California and authorized to do an indemnifying business in the State of Texas, and whose principal office is located at 11455 El Camino Real, San Diego, CA 92130 whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought within said State is Jim Miller and whose address is 6575 W Loop S, #230, Bellaire, Texas 77401, 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 Sixty-nine* Dollars (\$269,207.05) 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. *Thousand, Two Hundred Seven and 05/100 Dollars---

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;

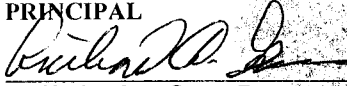
NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable, conduit and/or pole line activity (including, but not limited to the laying, construction, maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along roads, streets and highways 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 5th day of August, 2010.

Reddico Construction Company, Inc.
PRINCIPAL


BY Michael A. Gruy, Executive Vice President

Insurance Company of the West
SURETY


BY Nancy T. Barry, Attorney In Fact

ICW GROUP
Power of Attorney
Insurance Company of the West
Explorer Insurance Company **Independence Casualty and Surety Company**

KNOW ALL MEN BY THESE PRESENTS: That Insurance Company of the West, a Corporation duly organized under the laws of the State of California, Explorer Insurance Company, a Corporation duly organized under the laws of the State of California, and Independence Casualty and Surety Company, a Corporation duly organized under the laws of the State of Texas, (collectively referred to as the "Companies"), do hereby appoint

STEVEN W BERRY, NANCY T. BERRY, MORRIS D. PLAGENS, JR., KIMBERLY J. SMITH, BARBARA A. BURCHAM

their true and lawful Attorney(s)-in-Fact with authority to date, execute, sign, seal, and deliver on behalf of the Companies, fidelity and surety bonds, undertakings, and other similar contracts of suretyship, and any related documents.

In witness whereof, the Companies have caused these presents to be executed by its duly authorized officers this 2nd day of January, 2008.



INSURANCE COMPANY OF THE WEST
EXPLORER INSURANCE COMPANY
INDEPENDENCE CASUALTY AND SURETY COMPANY

Jeffrey D. Sweeney

Jeffrey D. Sweeney, Assistant Secretary

State of California } ss.

County of San Diego

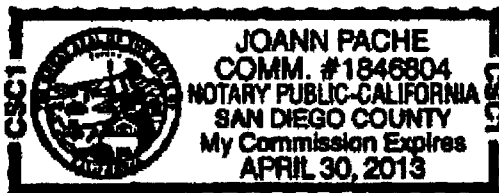
J. Douglas Browne

J. Douglas Browne, Senior Vice President

On May 21, 2009, before me, JoAnn Pache, Notary Public, personally appeared J. Douglas Browne and Jeffrey D. Sweeney, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument, the entity upon behalf of which the persons acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.



JoAnn Pache

JoAnn Pache, Notary Public

RESOLUTIONS

This Power of Attorney is granted and is signed, sealed and notarized with facsimile signatures and seals under authority of the following resolutions adopted by the respective Boards of Directors of each of the Companies:

"RESOLVED: That the President, an Executive or Senior Vice President of the Company, together with the Secretary or any Assistant Secretary, are hereby authorized to execute Powers of Attorney appointing the person(s) named as Attorney(s)-in-Fact to date, execute, sign, seal, and deliver on behalf of the Company, fidelity and surety bonds, undertakings, and other similar contracts of suretyship, and any related documents.

RESOLVED FURTHER: That the signatures of the officers making the appointment, and the signature of any officer certifying the validity and current status of the appointment, may be facsimile representations of those signatures; and the signature and seal of any notary, and the seal of the Company, may be facsimile representations of those signatures and seals, and such facsimile representations shall have the same force and effect as if manually affixed. The facsimile representations referred to herein may be affixed by stamping, printing, typing, or photocopying."

CERTIFICATE

I, the undersigned, Assistant Secretary of Insurance Company of the West, Explorer Insurance Company, and Independence Casualty and Surety Company, do hereby certify that the foregoing Power of Attorney is in full force and effect, and has not been revoked, and that the above resolutions were duly adopted by the respective Boards of Directors of the Companies, and are now in full force.

IN WITNESS WHEREOF, I have set my hand this 5th day of August, 2010

Jeffrey D. Sweeney

Jeffrey D. Sweeney, Assistant Secretary

To verify the authenticity of this Power of Attorney you may call 1-800-877-1111 and ask for the Surety Division. Please refer to the Power of Attorney Number, the above named individual(s) and details of the bond to which the power is attached. For information or filing claims, please contact Surety Claims, ICW Group, 11455 El Camino Real, San Diego, CA 92130-2045 or call (858) 350-2400.

1 IMPORTANT NOTICE

To obtain information or make a complaint:

2 You may contact your Agent at 713-569-0237.

3 You may call Insurance Company of the West/Independence Casualty & Surety Company's toll-free telephone number for information or to make a complaint at:

1-800-877-1111

4 You may also write to Insurance Company of the West/Independence Casualty & Surety Company at:

11455 El Camino Real
San Diego, CA 92130-2045

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) 475-1771
Web: <http://www.tdi.state.tx.us>
E-mail: ConsumerProtection@tdi.state.tx.us

7 PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should contact the Agent 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 su (title) al (telephone number).

Usted puede llamar al numero de telefono gratis de Insurance Company of the West/Independence Casualty & Surety Company's para informacion o para someter una queja al:

1-800-877-1111

Usted tambien puede escribir a Insurance Company of the West/Independence Casualty & Surety Company al:

11455 El Camino Real
San Diego, CA 92130

Puede Comunicarse con el Departamento de Seguros de Texas para obtener informacion acerca de companias, coberturas, derechos o quejas al:

1-800-252-3439

Puede escribir al Departamento de Seguros de Texas:

P. O. Box 149104
Austin, TX 78714-9104
Fax: (512) 475-1771
Web: <http://www.tdi.state.tx.us>
E-mail: ConsumerProtection@tdi.state.tx.us

DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el (agente) 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.

**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. 83804 PCT. No. 3
 BOND No. 230 85 76

Formal notice is hereby given that _____
 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
Old Village Ln	FBC Drainage Ditch	60'	X			
Spanish Grant Dr	FBC Drainage Ditch	60'	X			
Townwest Blvd	FBC Drainage Ditch	80'	X			

Along Roads and/or Drainage Ditches

Road or Ditch Name	Distance & Direction From Nearest Intersection	To	Distance
FBC Drainage Ditch	250' North of Old Village Lane	Old Richmond Road	5,600'

General Description

Installataion of 12" Water Line for Fort Bend County Water Authority

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: Reddico Construction Company, Inc.

BRD AGENT and/or OWNER
 (Signature)

NAME & TITLE Ryan Redd, Project Manager
 (Please Print)

DATE 8/4/2010

ADDRESS 10083 FM 1484
 (Street/P.O. Box)

Conroe TX 77303
 City State Zip

TELEPHONE NO: 936-441-9500
 (accessible 24 hrs/day, 7 days/week)

Does project
 comply with Fort
 Bend County
 Outdoor Lighting
 Ordinance?

Yes ()

No ()

**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. _____ PCT. No. _____

BOND No. _____

Formal notice is hereby given that _____
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
FBC Drain Ditch	FBC Drainage Ditch	80'	X			X
Old Towne Lane	FBC Drainage Ditch	60'	X			

Along Roads and/or Drainage Ditches

Road or Ditch Name	Distance & Direction From Nearest Intersection	To	Distance

General Description

Installataion of 12" Water Line for Fort Bend County Water Authority

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: Reddico Construction Company, Inc.

AGENT and/or OWNER

(Signature)

NAME & TITLE Ryan Redd, Project Manager

(Please Print)

DATE 8/4/2010

ADDRESS 10083 FM 1484

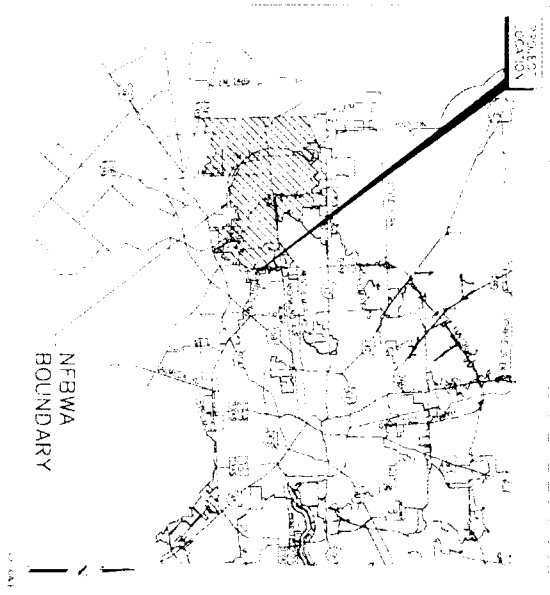
(Street/P.O. Box)

Conroe TX 77303

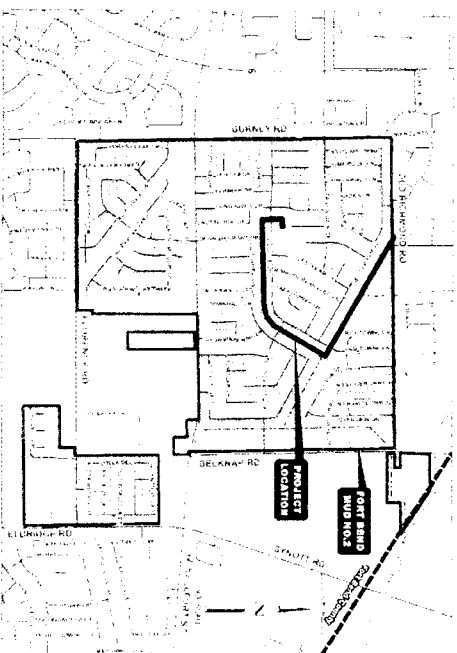
City State Zip

TELEPHONE NO: 936-441-9500

(accessible 24 hrs/day, 7 days/week)



LOCATION MAP



VICINITY MAP

KEY MAP 528 S.T.W&X ZIPCODE 77498
GEMS 4753 B,D

DIRECTORS

PRECI~~N~~CT

AVANCELL
ROBERT JARLEY
BRUCE JAY
WILSON J. JARLEY
ROBERT PATON
PETER POLLOCK
PAT HERRI

ISSUE DATE: DECEMBER, 2009

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIGIT
(713)223-4567 (IN HOUSTON)
(NEW STATEWIDE NUMBER OUTSIDE HOUSTON)
1-800-545-6005

UNITED STATES PATENT OFFICE
WILLIAM A. KENNEDY, INVENTOR, CONVECTION DIVISION (RE-ENTRY)
NO. 75,363, (420) 48 LETTERS-PATENT GRANTED IN THIS OFFICE

U.S. NAVY

ACCUSED NO. 10-1003 NICKALAS, PA. NO. 44-100302, DATED JANUARY 13, 1954, SUBMITTED BY THE FEDERAL BUREAU OF INVESTIGATION, AGENT T. L. ROBERTS, SHOWN ON PLATE P. AND SET WITH A ZONE 1A, IDENTIFYING AREA IDENTIFIED TO BE OF TYPE OF MORTAR FUSE OF PLAIN

Attest _____
JESSE HEGGNER, P.E.
FORT BEND COUNTY ENGINEER
DATE 2/25/10

DEPT BLVD DEANINCE DISTRICT CONDOMINIUM
APPROVAL URMACHED FEBRUARY 4, 2010 BY
BRYANNE CALDWELL.

Figure 1 displays a sequence of 16 small images arranged in a 4x4 grid, illustrating the stages of a bird's nest construction. The images show a bird, likely a sparrow, building a nest using twigs and mud. The sequence progresses from the initial egg-laying to the completed nest with a bird sitting on it.

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

PATE ENGINEERS
2911 10th St. S.E.
Atlanta, GA 30316
404/525-8800

DATE JOB NO. 187100100



121-109

CITY OF HOLSTON

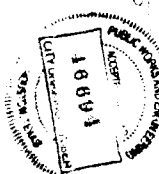
2/11/12

W.C. Cawel-2-4-10

4-15-2010

5

~~CONFIDENTIAL~~



1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.

STREET NAME FOR MAIL BOX NO. 2
OFFICE OF NAVAL MATERIALS DIVISION
ATTENTION OF CONTRACT RESEARCH MATERIAL
SECTION PHONE # 781-730-5126

NAME OF PERSON TO CONTACT

[illegible]

1. THE CONCEPT OF A "WORLD SYSTEM" IS NOT A NEW ONE. IT HAS BEEN USED BY HISTORIANS AND GEOGRAPHERS SINCE THE 19TH CENTURY. THE CONCEPT OF A "WORLD SYSTEM" IS NOT A NEW ONE. IT HAS BEEN USED BY HISTORIANS AND GEOGRAPHERS SINCE THE 19TH CENTURY.

CAUTION: UNDERGROUND GAS FACILITIES

Figure 1. A schematic diagram of the experimental setup. The subject is seated in a chair, viewing a screen displaying a target. The target is a small object (e.g., a ball) that is launched from a fixed point. The subject's hand is positioned to catch the target. The distance between the launch point and the target is labeled as L . The distance between the launch point and the subject's hand is labeled as d . The distance between the subject's hand and the target is labeled as x . The subject's hand is positioned at a distance d from the launch point. The target is launched from a fixed point at a distance L from the launch point. The subject's hand is positioned to catch the target at a distance x from the launch point.

CONSTRUCTION NOTES

1. "SECRET" IS PRINTED ON MANY OF THE PAGES OF THE DOCUMENT, BUT NOT ON ALL. IT IS PRINTED ON THE FRONT COVER, BUT NOT ON THE BACK COVER. IT IS PRINTED ON THE FRONT COVER OF THE FRONT COVER, BUT NOT ON THE BACK COVER. IT IS PRINTED ON THE FRONT COVER OF THE FRONT COVER, BUT NOT ON THE BACK COVER.
2. "SECRET" IS PRINTED ON MANY OF THE PAGES OF THE DOCUMENT, BUT NOT ON ALL. IT IS PRINTED ON THE FRONT COVER, BUT NOT ON THE BACK COVER. IT IS PRINTED ON THE FRONT COVER OF THE FRONT COVER, BUT NOT ON THE BACK COVER. IT IS PRINTED ON THE FRONT COVER OF THE FRONT COVER, BUT NOT ON THE BACK COVER.
3. "SECRET" IS PRINTED ON MANY OF THE PAGES OF THE DOCUMENT, BUT NOT ON ALL. IT IS PRINTED ON THE FRONT COVER, BUT NOT ON THE BACK COVER. IT IS PRINTED ON THE FRONT COVER OF THE FRONT COVER, BUT NOT ON THE BACK COVER. IT IS PRINTED ON THE FRONT COVER OF THE FRONT COVER, BUT NOT ON THE BACK COVER.
4. "SECRET" IS PRINTED ON MANY OF THE PAGES OF THE DOCUMENT, BUT NOT ON ALL. IT IS PRINTED ON THE FRONT COVER, BUT NOT ON THE BACK COVER. IT IS PRINTED ON THE FRONT COVER OF THE FRONT COVER, BUT NOT ON THE BACK COVER. IT IS PRINTED ON THE FRONT COVER OF THE FRONT COVER, BUT NOT ON THE BACK COVER.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES, INCLUDING BUT NOT LIMITED TO THE DEPARTMENT OF TRANSPORTATION, THE ENVIRONMENTAL PROTECTION AGENCY, AND THE FEDERAL AVIATION ADMINISTRATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES, INCLUDING BUT NOT LIMITED TO THE DEPARTMENT OF TRANSPORTATION, THE ENVIRONMENTAL PROTECTION AGENCY, AND THE FEDERAL AVIATION ADMINISTRATION.

[illegible][illegible]

NOTE: CONTRACTOR TO RESTORE
EXIST. DITCH TO ORIGINAL
CONDITION OR BETTER.

OLD VILLAGE LANE
(60' ROW)

MATCH LINE STA 5+00.00 (SEE SHEET 7)

MATCH LINE STA 2+00.00 (SEE SHEET 6)

PROP. 20 L.F. TRENCHLESS
CONSTRUCTION
BEGIN STA. 2+43.44
END STA. 3+13.44

CRITICAL LOCATE
SEE SPECIFICATION 02317

PROP. 12" WATER
SEE DETAIL 4, SHEET 18

VENT PIPE #/BOLLARDS
SEE SHEET 22

PROP. 12" WATER
SEE DETAIL 4, SHEET 18

7'-46" BRDS
STA. 4+07.22

PROP. 2" COMBINATION AIR VALVE ASSEMBLY
#/VENT PIPING AND SERVICE MANHOLE
STA. 3+23.13, 10.00' RT
SEE DETAIL 3, SHEET 20

1-12" G.V. #/BOX
STA. 3+18.11, 10.00' RT
SEE SHEET 22

MATCH LINE STA 2+00.00 (SEE SHEET 6)

BEGIN TRENCHLESS CONSTRUCTION
STA. 2+43.44

PROP. 20 L.F. TRENCHLESS CONSTRUCTION

END TRENCHLESS CONSTRUCTION
STA. 4+13.44

PROP. 2" COMBINATION AIR VALVE
ASSEMBLY #/VENT PIPING
AND SERVICE MANHOLE
STA. 3+23.13, 10.00' RT.

6" MIN. COVER

PROP. 12" WATER LINE

MATCH LINE STA 5+00.00 (SEE SHEET 7)



PATE ENGINEERS

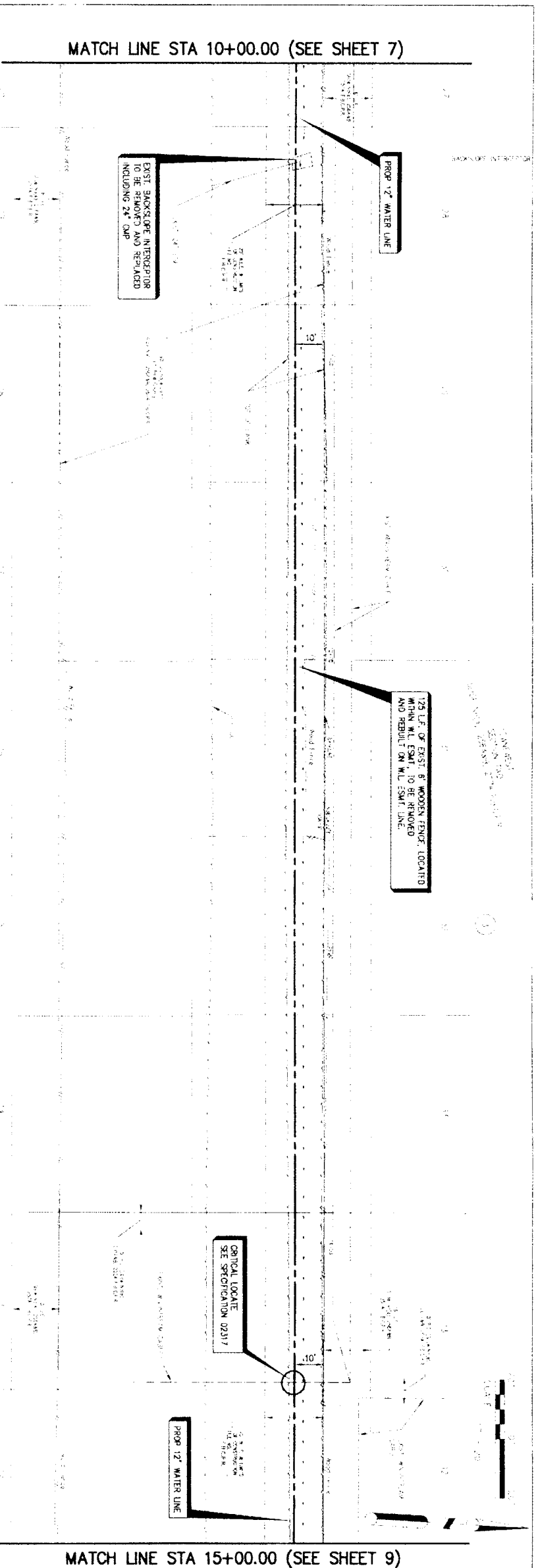
PALE JOB NO. 187100100
NFBWA- FBCMUD NO. 2

PLAN AND PROFILE
12" WATER LINE
STA. 2+00.00 TO STA. 5+00.00

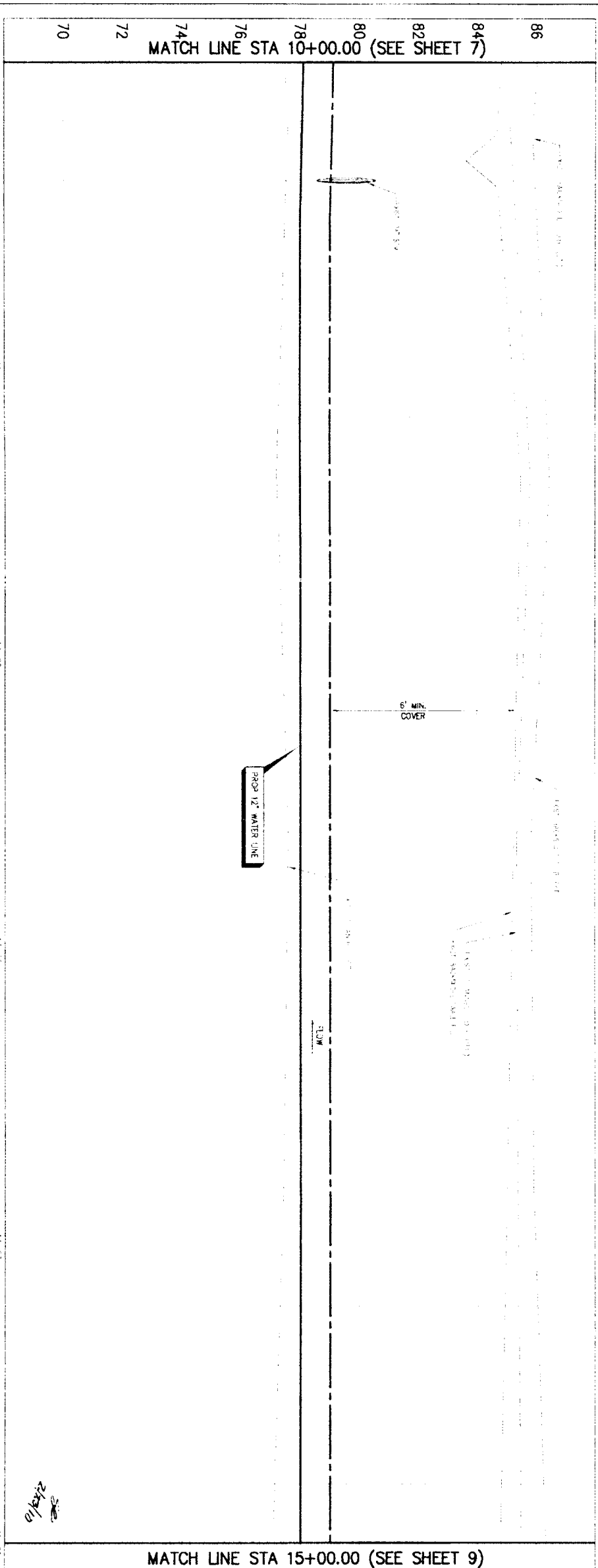
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PALE JOB NO. 187100100
NFBWA- FBCMUD NO. 2
DATE: 11/11/10
BY: [Signature]



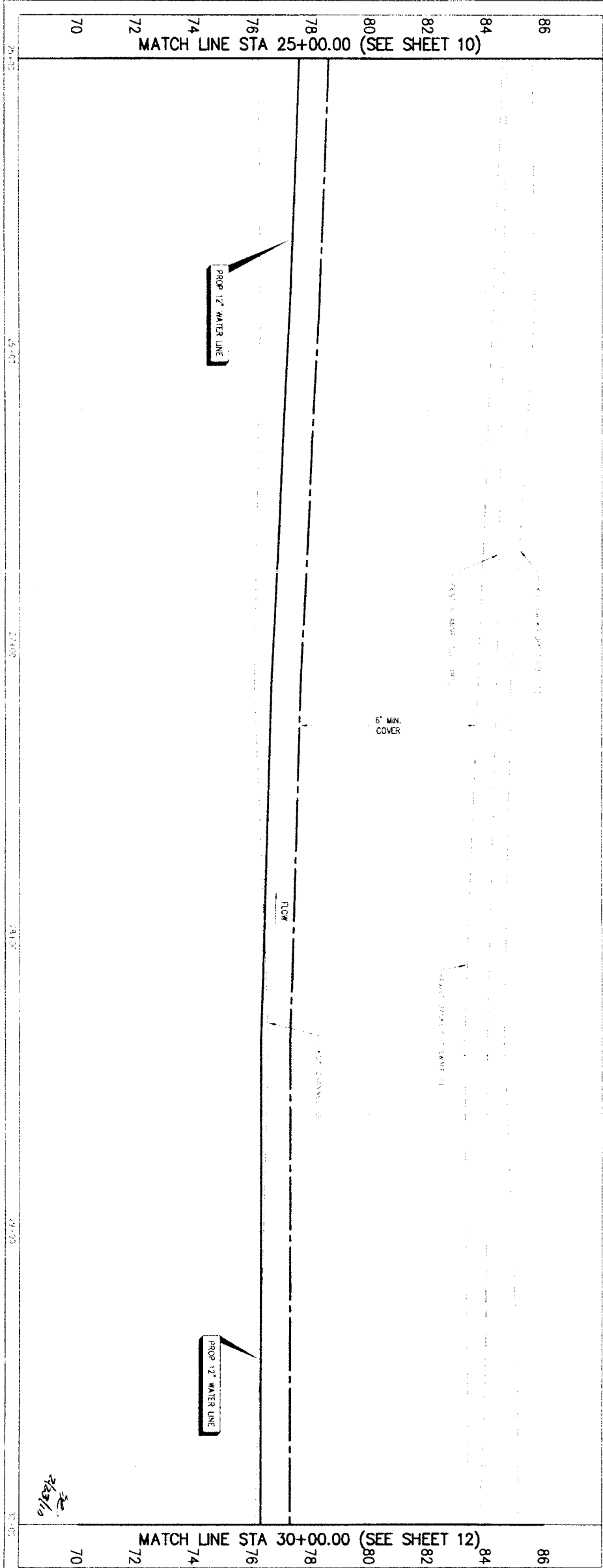


REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	ISSUED FOR CONSTRUCTION
3	ISSUED FOR AS-BUILT
4	ISSUED FOR FINAL
5	ISSUED FOR RECORD
6	ISSUED FOR FINAL
7	ISSUED FOR FINAL
8	ISSUED FOR FINAL
9	ISSUED FOR FINAL
10	ISSUED FOR FINAL
11	ISSUED FOR FINAL
12	ISSUED FOR FINAL
13	ISSUED FOR FINAL
14	ISSUED FOR FINAL
15	ISSUED FOR FINAL
16	ISSUED FOR FINAL
17	ISSUED FOR FINAL
18	ISSUED FOR FINAL
19	ISSUED FOR FINAL
20	ISSUED FOR FINAL
21	ISSUED FOR FINAL
22	ISSUED FOR FINAL
23	ISSUED FOR FINAL
24	ISSUED FOR FINAL
25	ISSUED FOR FINAL
26	ISSUED FOR FINAL
27	ISSUED FOR FINAL
28	ISSUED FOR FINAL
29	ISSUED FOR FINAL
30	ISSUED FOR FINAL
31	ISSUED FOR FINAL
32	ISSUED FOR FINAL
33	ISSUED FOR FINAL
34	ISSUED FOR FINAL
35	ISSUED FOR FINAL
36	ISSUED FOR FINAL
37	ISSUED FOR FINAL
38	ISSUED FOR FINAL
39	ISSUED FOR FINAL
40	ISSUED FOR FINAL
41	ISSUED FOR FINAL
42	ISSUED FOR FINAL
43	ISSUED FOR FINAL
44	ISSUED FOR FINAL
45	ISSUED FOR FINAL
46	ISSUED FOR FINAL
47	ISSUED FOR FINAL
48	ISSUED FOR FINAL
49	ISSUED FOR FINAL
50	ISSUED FOR FINAL
51	ISSUED FOR FINAL
52	ISSUED FOR FINAL
53	ISSUED FOR FINAL
54	ISSUED FOR FINAL
55	ISSUED FOR FINAL
56	ISSUED FOR FINAL
57	ISSUED FOR FINAL
58	ISSUED FOR FINAL
59	ISSUED FOR FINAL
60	ISSUED FOR FINAL
61	ISSUED FOR FINAL
62	ISSUED FOR FINAL
63	ISSUED FOR FINAL
64	ISSUED FOR FINAL
65	ISSUED FOR FINAL
66	ISSUED FOR FINAL
67	ISSUED FOR FINAL
68	ISSUED FOR FINAL
69	ISSUED FOR FINAL
70	ISSUED FOR FINAL
71	ISSUED FOR FINAL
72	ISSUED FOR FINAL
73	ISSUED FOR FINAL
74	ISSUED FOR FINAL
75	ISSUED FOR FINAL
76	ISSUED FOR FINAL
77	ISSUED FOR FINAL
78	ISSUED FOR FINAL
79	ISSUED FOR FINAL
80	ISSUED FOR FINAL
81	ISSUED FOR FINAL
82	ISSUED FOR FINAL
83	ISSUED FOR FINAL
84	ISSUED FOR FINAL
85	ISSUED FOR FINAL
86	ISSUED FOR FINAL
87	ISSUED FOR FINAL
88	ISSUED FOR FINAL
89	ISSUED FOR FINAL
90	ISSUED FOR FINAL
91	ISSUED FOR FINAL
92	ISSUED FOR FINAL
93	ISSUED FOR FINAL
94	ISSUED FOR FINAL
95	ISSUED FOR FINAL
96	ISSUED FOR FINAL
97	ISSUED FOR FINAL
98	ISSUED FOR FINAL
99	ISSUED FOR FINAL
100	ISSUED FOR FINAL

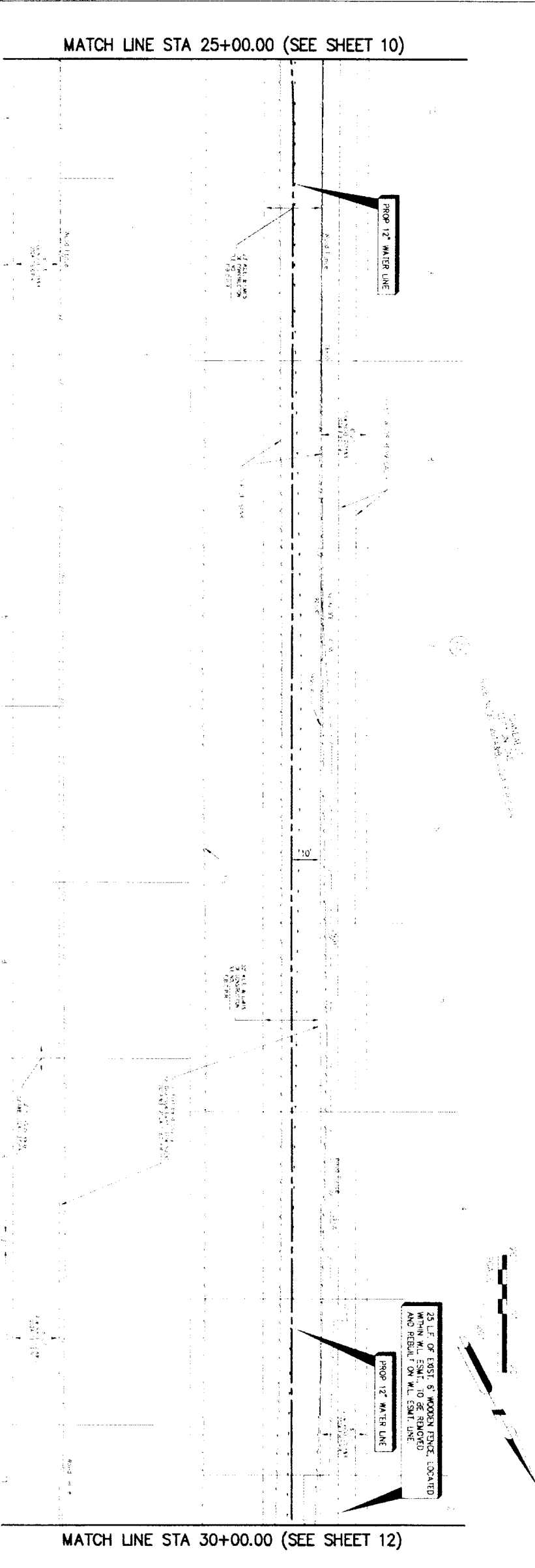


REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	ISSUED FOR CONSTRUCTION
3	ISSUED FOR AS-BUILT
4	ISSUED FOR FINAL
5	ISSUED FOR FINAL
6	ISSUED FOR FINAL
7	ISSUED FOR FINAL
8	ISSUED FOR FINAL
9	ISSUED FOR FINAL
10	ISSUED FOR FINAL
11	ISSUED FOR FINAL
12	ISSUED FOR FINAL
13	ISSUED FOR FINAL
14	ISSUED FOR FINAL
15	ISSUED FOR FINAL
16	ISSUED FOR FINAL
17	ISSUED FOR FINAL
18	ISSUED FOR FINAL
19	ISSUED FOR FINAL
20	ISSUED FOR FINAL
21	ISSUED FOR FINAL
22	ISSUED FOR FINAL
23	ISSUED FOR FINAL
24	ISSUED FOR FINAL
25	ISSUED FOR FINAL
26	ISSUED FOR FINAL
27	ISSUED FOR FINAL
28	ISSUED FOR FINAL
29	ISSUED FOR FINAL
30	ISSUED FOR FINAL
31	ISSUED FOR FINAL
32	ISSUED FOR FINAL
33	ISSUED FOR FINAL
34	ISSUED FOR FINAL
35	ISSUED FOR FINAL
36	ISSUED FOR FINAL
37	ISSUED FOR FINAL
38	ISSUED FOR FINAL
39	ISSUED FOR FINAL
40	ISSUED FOR FINAL
41	ISSUED FOR FINAL
42	ISSUED FOR FINAL
43	ISSUED FOR FINAL
44	ISSUED FOR FINAL
45	ISSUED FOR FINAL
46	ISSUED FOR FINAL
47	ISSUED FOR FINAL
48	ISSUED FOR FINAL
49	ISSUED FOR FINAL
50	ISSUED FOR FINAL
51	ISSUED FOR FINAL
52	ISSUED FOR FINAL
53	ISSUED FOR FINAL
54	ISSUED FOR FINAL
55	ISSUED FOR FINAL
56	ISSUED FOR FINAL
57	ISSUED FOR FINAL
58	ISSUED FOR FINAL
59	ISSUED FOR FINAL
60	ISSUED FOR FINAL
61	ISSUED FOR FINAL
62	ISSUED FOR FINAL
63	ISSUED FOR FINAL
64	ISSUED FOR FINAL
65	ISSUED FOR FINAL
66	ISSUED FOR FINAL
67	ISSUED FOR FINAL
68	ISSUED FOR FINAL
69	ISSUED FOR FINAL
70	ISSUED FOR FINAL
71	ISSUED FOR FINAL
72	ISSUED FOR FINAL
73	ISSUED FOR FINAL
74	ISSUED FOR FINAL
75	ISSUED FOR FINAL
76	ISSUED FOR FINAL
77	ISSUED FOR FINAL
78	ISSUED FOR FINAL
79	ISSUED FOR FINAL
80	ISSUED FOR FINAL
81	ISSUED FOR FINAL
82	ISSUED FOR FINAL
83	ISSUED FOR FINAL
84	ISSUED FOR FINAL
85	ISSUED FOR FINAL
86	ISSUED FOR FINAL
87	ISSUED FOR FINAL
88	ISSUED FOR FINAL
89	ISSUED FOR FINAL
90	ISSUED FOR FINAL
91	ISSUED FOR FINAL
92	ISSUED FOR FINAL
93	ISSUED FOR FINAL
94	ISSUED FOR FINAL
95	ISSUED FOR FINAL
96	ISSUED FOR FINAL
97	ISSUED FOR FINAL
98	ISSUED FOR FINAL
99	ISSUED FOR FINAL
100	ISSUED FOR FINAL

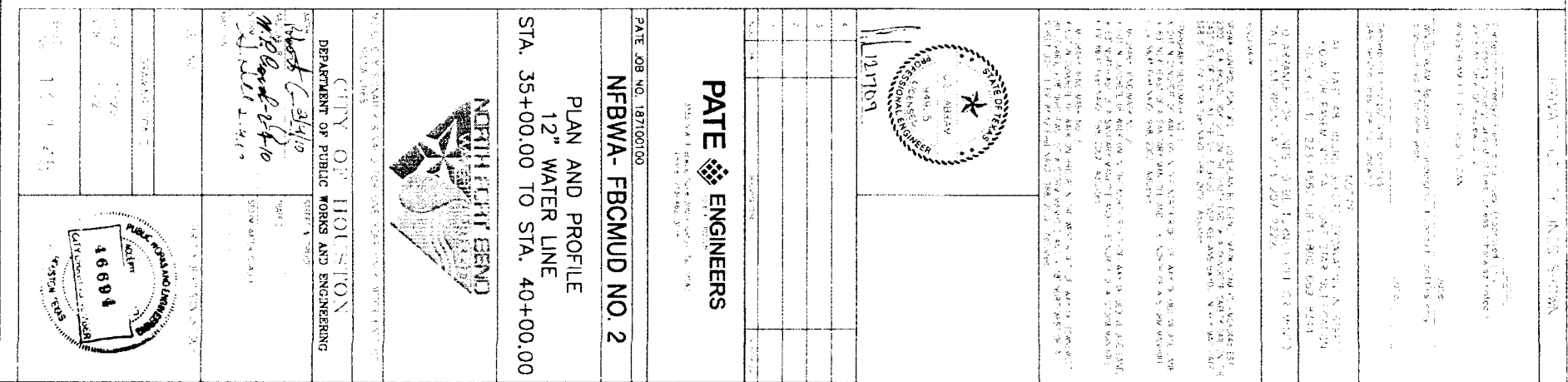
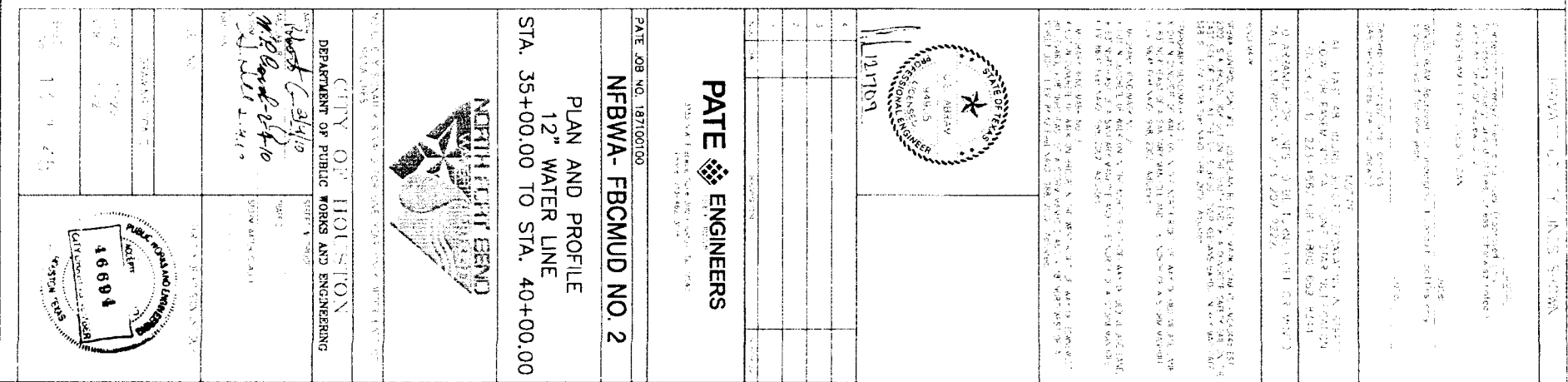
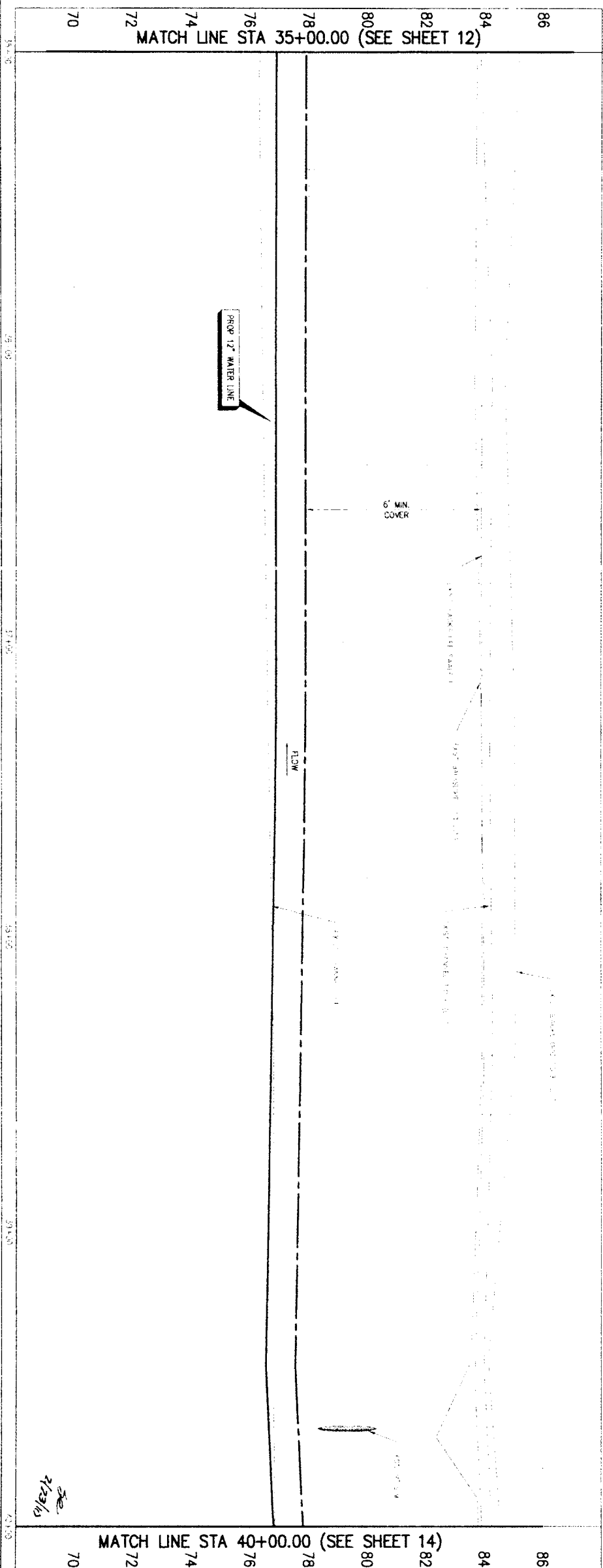
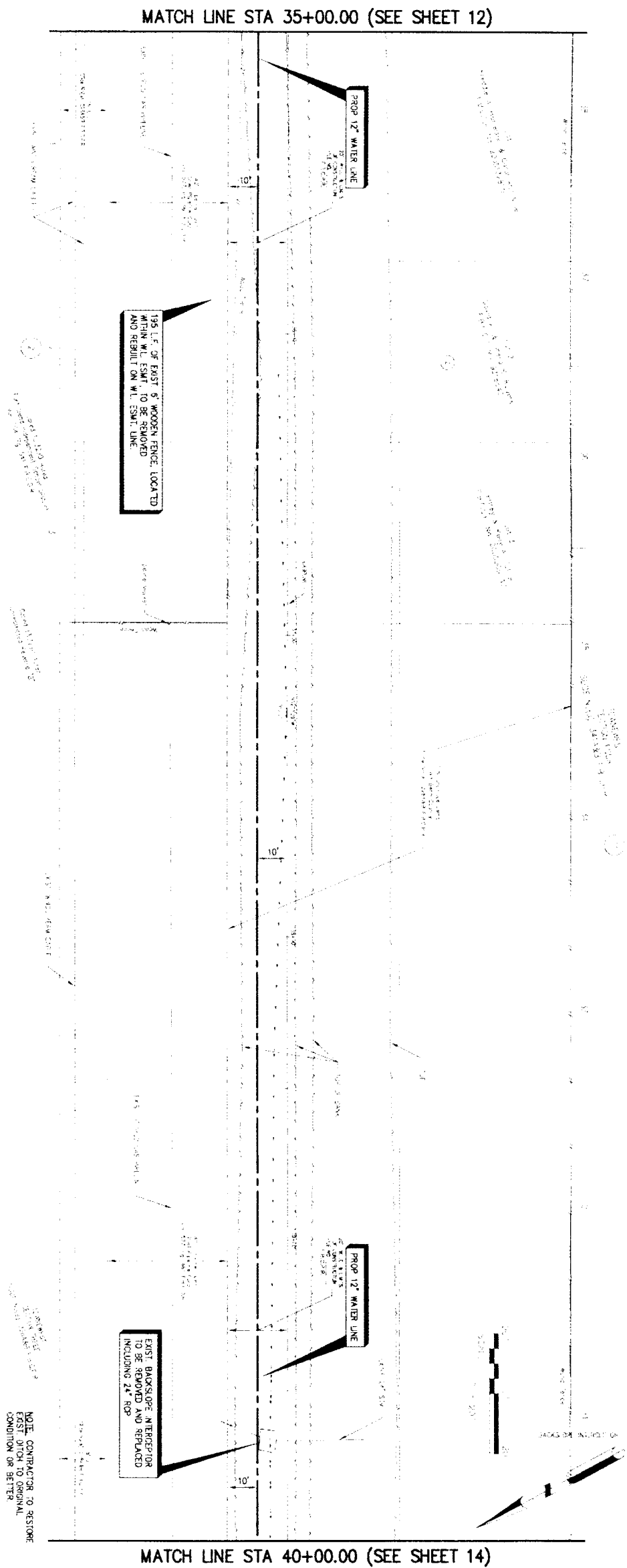
AS NOTED ON THE PLAN AND PROFILE SHEETS, THE CITY ENGINEER HAS REVIEWED THE DESIGN AND FOUND IT TO BE IN ACCORDANCE WITH THE CITY ENGINEERING DEPARTMENT STANDARDS AND SPECIFICATIONS. THE CITY ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DESIGN AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED OR THE ADEQUACY OF THE DESIGN FOR THE INTENDED PURPOSE. THE CITY ENGINEER'S REVIEW IS NOT A SUBSTITUTE FOR THE DESIGNER'S RESPONSIBILITY FOR THE DESIGN AND THE CONTRACTOR'S RESPONSIBILITY FOR THE CONSTRUCTION.

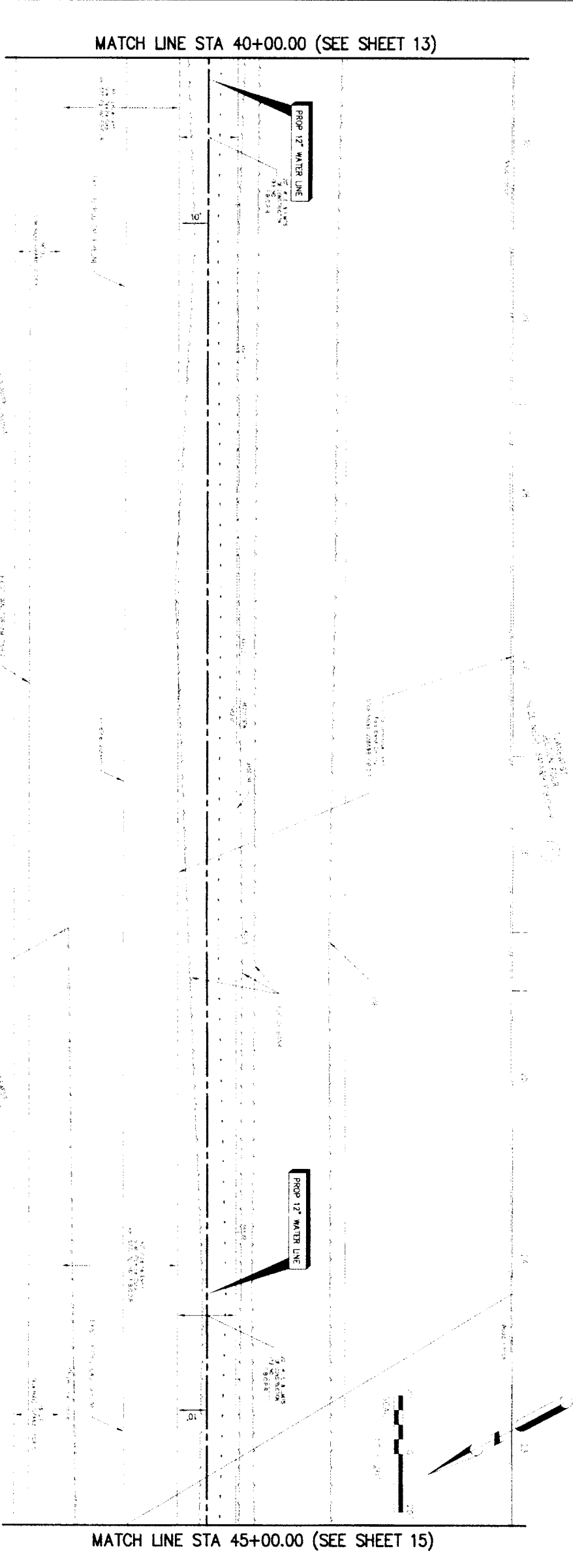


PATE ENGINEERS 124709	
PATE JOB NO. 18700100	
NFBWA-FBCMUD NO. 2	
PLAN AND PROFILE 12" WATER LINE STA. 25+00.00 TO STA. 30+00.00	
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING 10/15/2010 J. B. BROWN J. B. BROWN	

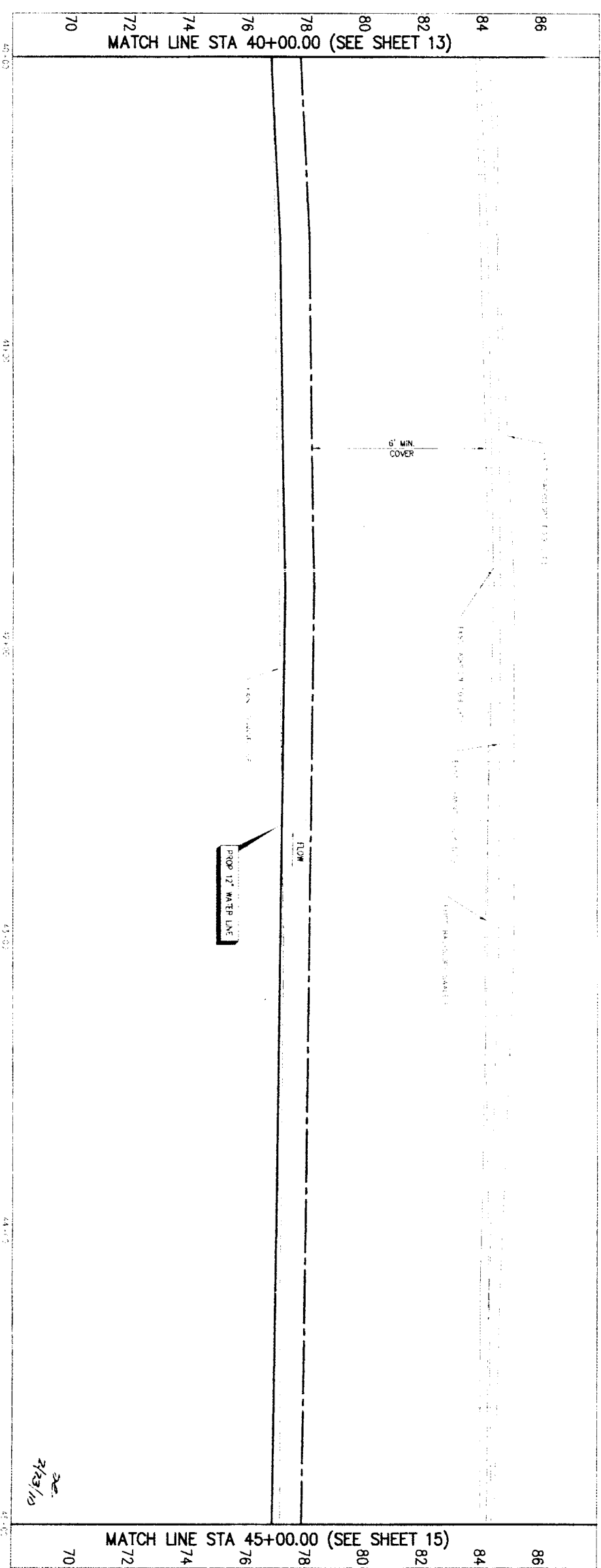


STATE OF TEXAS 124709	
PATE JOB NO. 18700100	
NFBWA-FBCMUD NO. 2	
PLAN AND PROFILE 12" WATER LINE STA. 25+00.00 TO STA. 30+00.00	
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING 10/15/2010 J. B. BROWN J. B. BROWN	

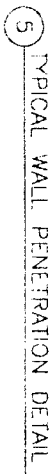
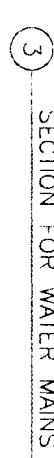
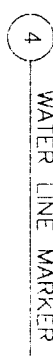
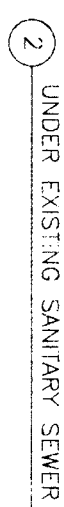




PROJECT NO. 197100100	
NFBWA-FBCMUD NO. 2	
PLAN AND PROFILE 12\"/>	
STA. 40+00.00 TO STA. 45+00.00	
NORTH 	
PATE ENGINEERS 121104	
DATE: 12/10/19	
DRAWN BY: [Signature]	
CHECKED BY: [Signature]	
APPROVED BY: [Signature]	
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
PROJECT NO. 197100100	
SHEET NO. 13	
TOTAL SHEETS: 15	



PROJECT NO. 197100100	
NFBWA-FBCMUD NO. 2	
PLAN AND PROFILE 12\"/>	
STA. 40+00.00 TO STA. 45+00.00	
NORTH 	
PATE ENGINEERS 121104	
DATE: 12/10/19	
DRAWN BY: [Signature]	
CHECKED BY: [Signature]	
APPROVED BY: [Signature]	
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
PROJECT NO. 197100100	
SHEET NO. 13	
TOTAL SHEETS: 15	



121709

[illegible]

NFBWA- FBCMUD NO. 2

STANDARD WATER LINE DETAILS



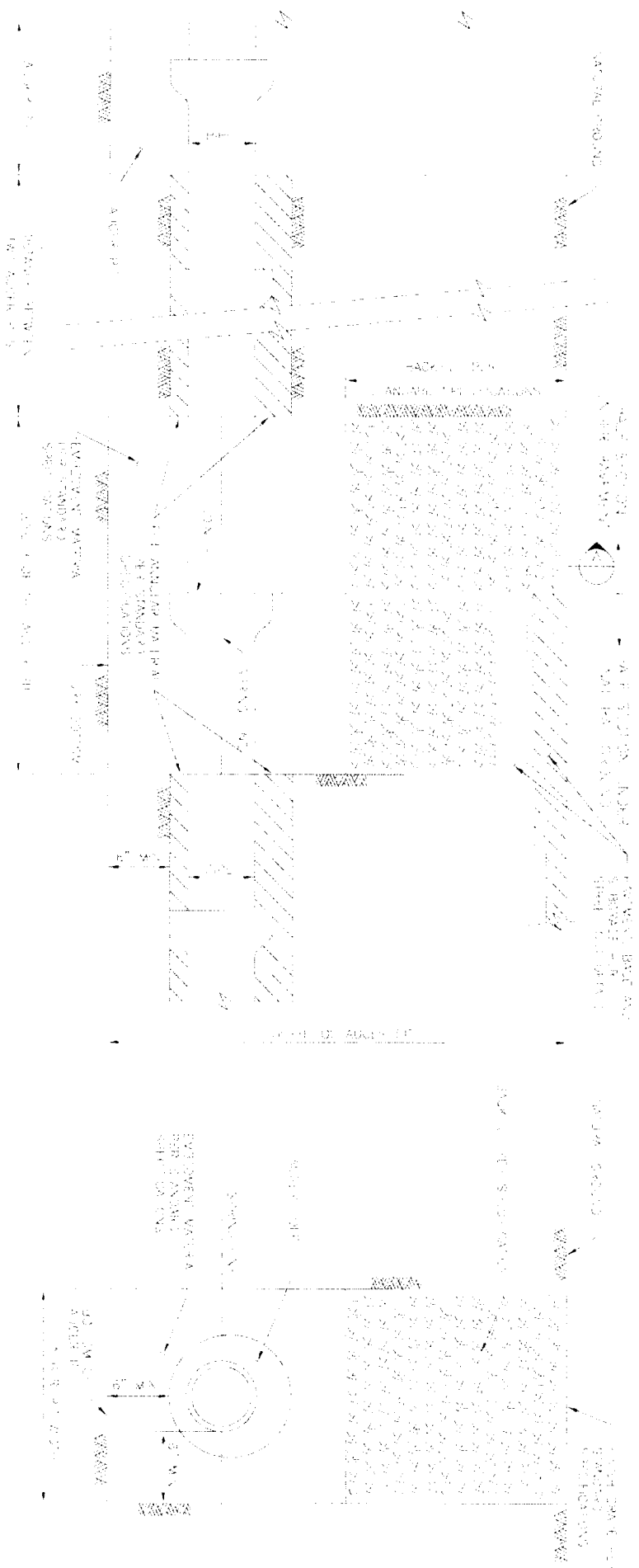
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

3/11/10
Book C-8
M. P. 22-410
A. L. 2-1-10

REC'D - 10/10/1968

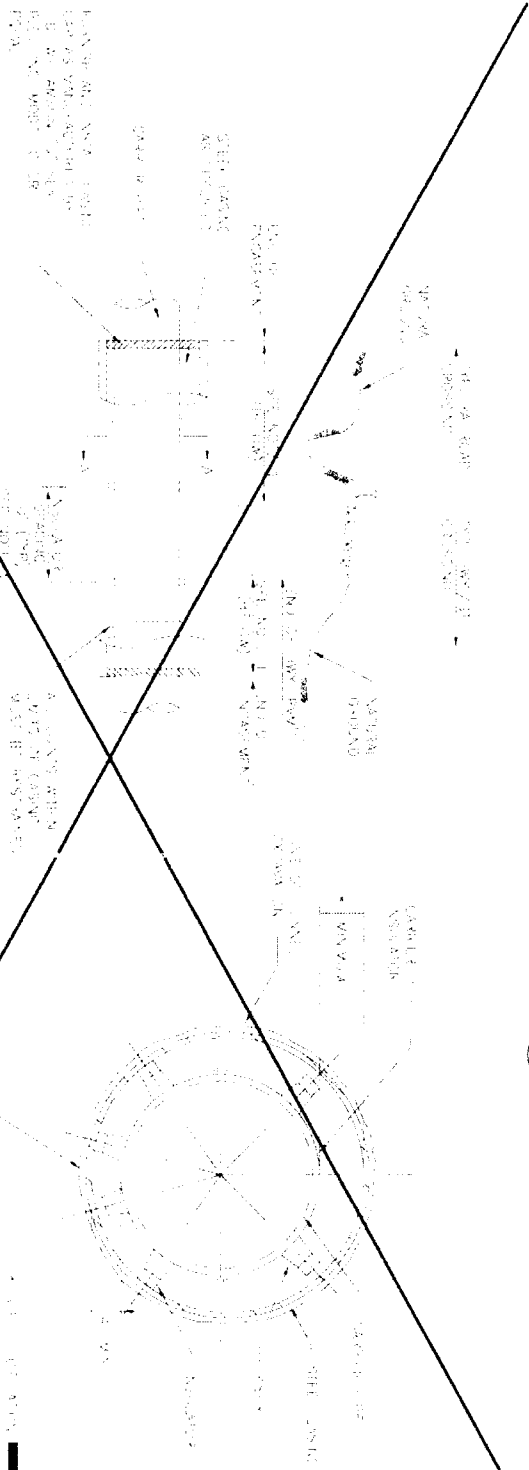
46804





1 ELEVATION

A SECTION VIEW



1 BEDDING AND BACKFILL
AUGER PIT & AUGER HOLE
N.T.S.



2 CASING DETAIL

3 TUNNEL DETAIL



1			
2			
3			
4			

PATE ENGINEERS

PATE JOB NO. 187100100
NFBWA-FBCMUD NO. 2

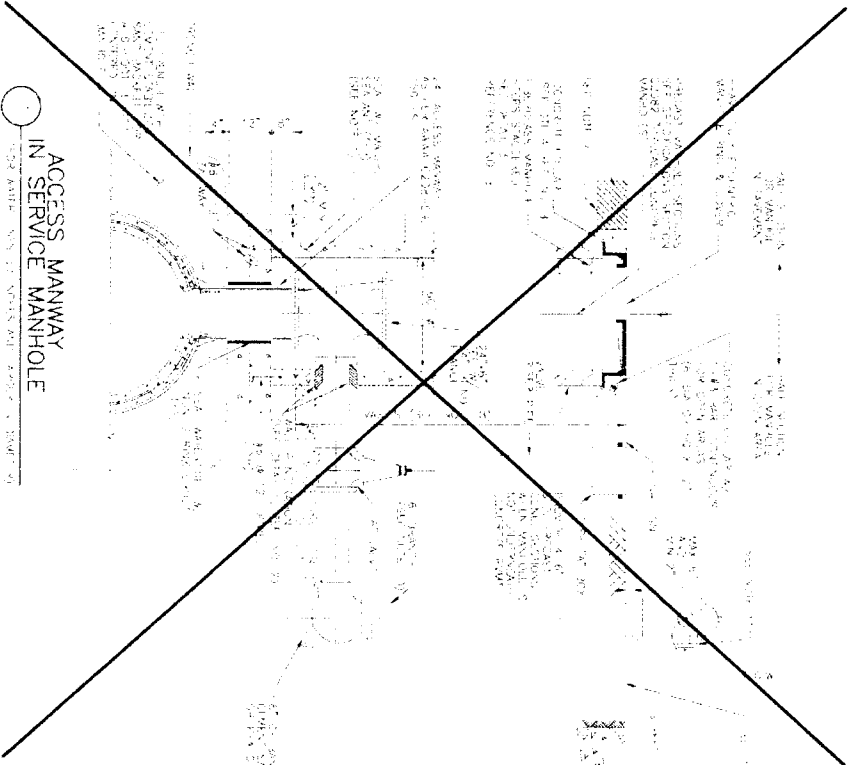
TUNNEL AND CASING DETAILS



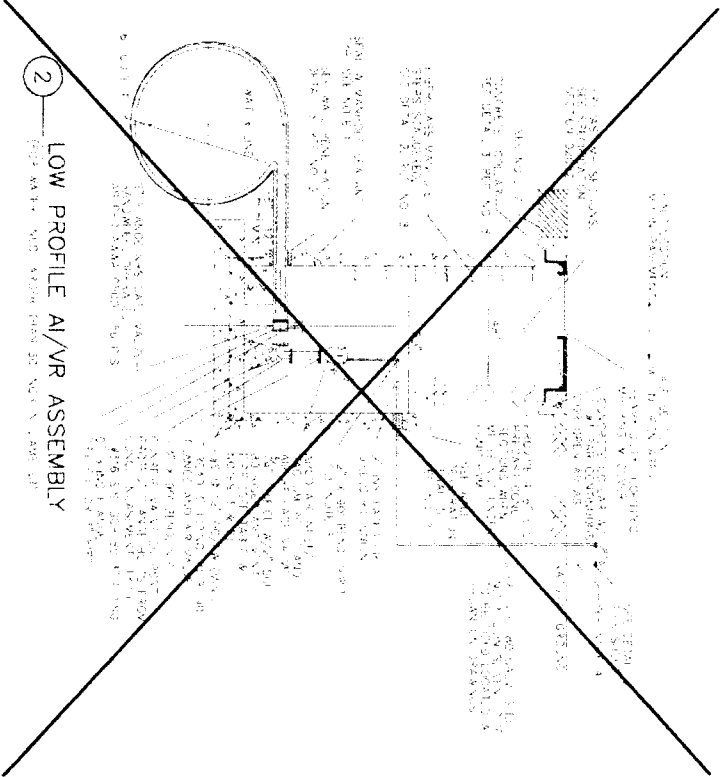
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
16085-2410
16085-2410

DATE	16085-2410
BY	16085-2410
CHK	16085-2410
APP	16085-2410

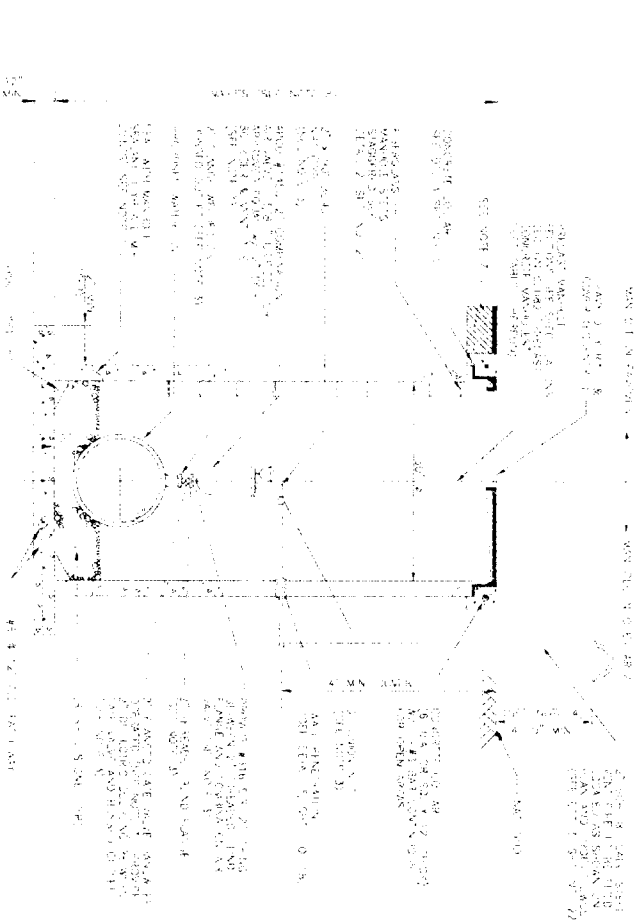
2/23/10



ACCESS MANWAY
IN SERVICE MANHOLE

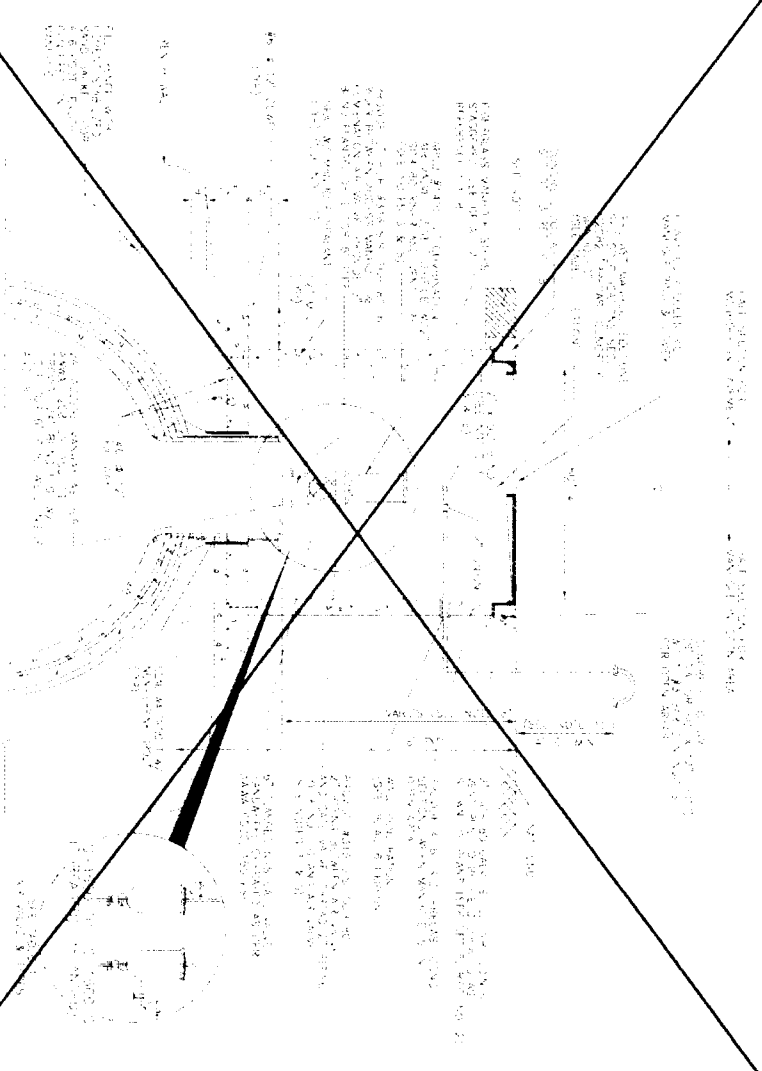


2 LOW PROFILE AIR/VR ASSEMBLY



COMBINATION AIR VALVE ASSEMBLY
IN SERVICE MANHOLE

3



COMBINATION AIR VALVE
ASSEMBLY IN SERVICE MANHOLE

4

1. THE FOLLOWING ARE THE SPECIFICATIONS FOR THE AIR VALVE ASSEMBLY TO BE INSTALLED IN THE SERVICE MANHOLE.

2. THE AIR VALVE ASSEMBLY SHALL BE OF THE LOW PROFILE TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.

3. THE AIR VALVE ASSEMBLY SHALL BE OF THE COMBINATION TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.

4. THE AIR VALVE ASSEMBLY SHALL BE OF THE LOW PROFILE TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.

5. THE AIR VALVE ASSEMBLY SHALL BE OF THE COMBINATION TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.

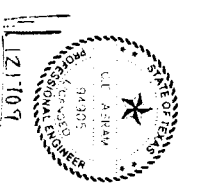
6. THE AIR VALVE ASSEMBLY SHALL BE OF THE LOW PROFILE TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.

7. THE AIR VALVE ASSEMBLY SHALL BE OF THE COMBINATION TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.

8. THE AIR VALVE ASSEMBLY SHALL BE OF THE LOW PROFILE TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.

9. THE AIR VALVE ASSEMBLY SHALL BE OF THE COMBINATION TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.

10. THE AIR VALVE ASSEMBLY SHALL BE OF THE LOW PROFILE TYPE AND SHALL BE INSTALLED IN THE SERVICE MANHOLE IN THE MANNER SHOWN ON THE ATTACHED DRAWING.



1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

PATE ENGINEERS

11111A Street, Suite 100, Houston, Texas 77030

PATE JOB NO. 18700100

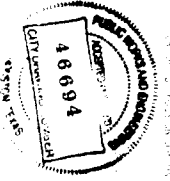
NFBWA-FBCMUD NO. 2

COMBINATION AIR VALVE AND
DETAILS

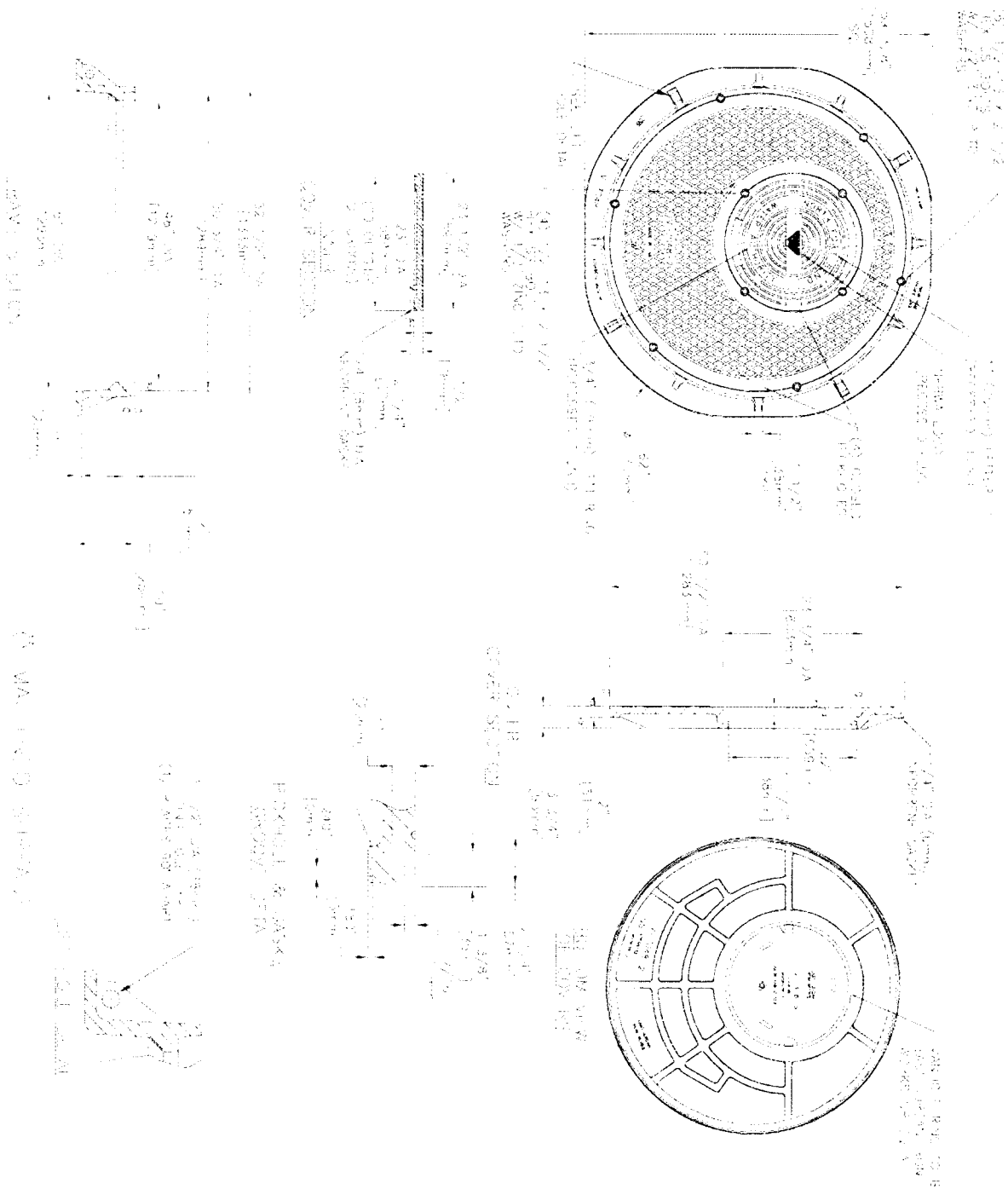


CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

Project 5-2/1/10
M. B. G. 2/1/10
J. B. G. 2/1/10

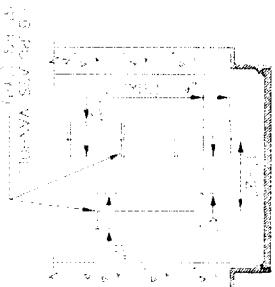


3/23/10

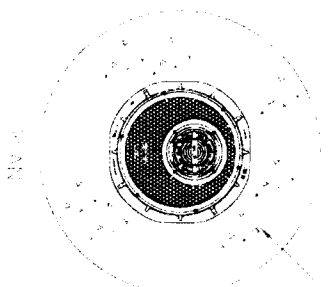


1 HEAVY DUTY MANHOLE RING AND COVER

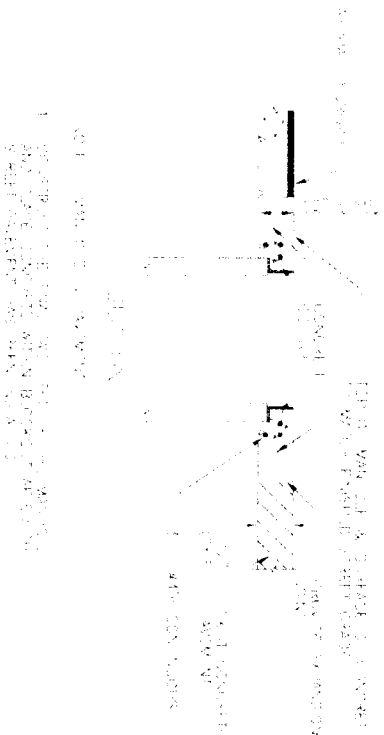
2 MANHOLE STEP DETAIL



1. MINIMUM 15\"/>
2. MINIMUM 15\"/>
3. MINIMUM 15\"/>
4. MINIMUM 15\"/>
5. MINIMUM 15\"/>



3 MANHOLE IN PAVEMENT



PATE ENGINEERS

HEAVY DUTY MANHOLE RING AND COVER DETAILS

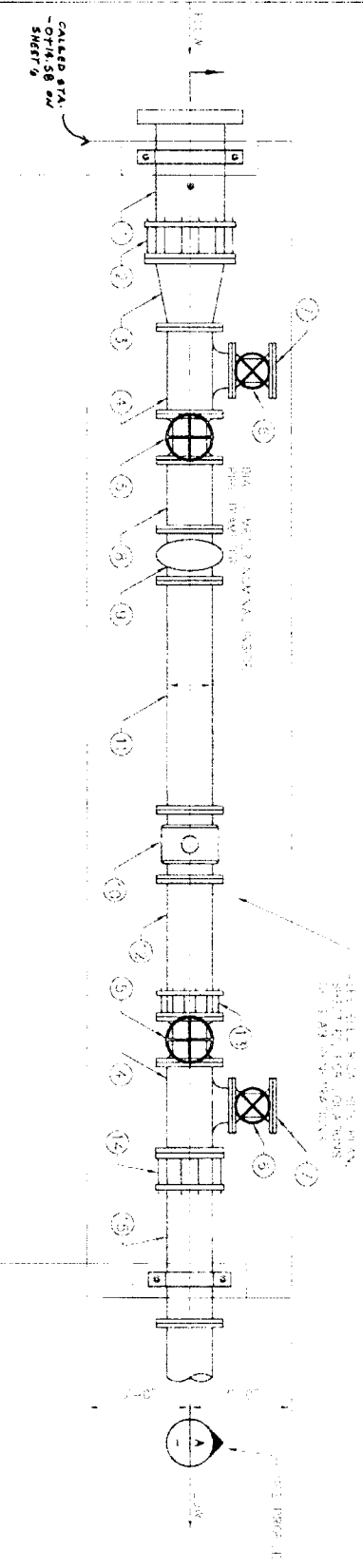


CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

APPROVED
3/14/10
3/14/10
3/14/10



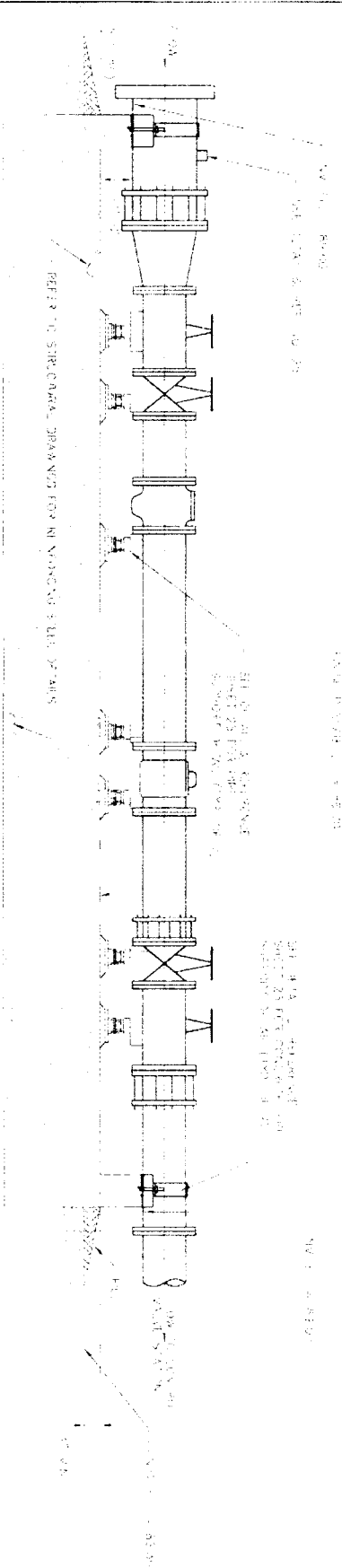
3/23/10



SLAB ON GRADE METER STATION		
PIPE RUN SIZE = METER NOMINAL INSIDE DIAMETER DIA. (INCH) =	DIA. = 8 INCH	
ITEM	DESCRIPTION	FITTING SIZE (NO.)
1	PIPE (DAMPER) # 2" GALV. PIPE	2
2	FLANGED GROUND ADAPTER WITH RESTRAINTS (DAMPER)	2
3	REDUCER	YES
4	EE W/ADAPT TO ADAPTER RUN X RUN X BRANCH	BRANCH
5	VALVE GATE 3" (SEE NOTE 9) (DAMPER)	4
6	VALVE GATE 3" (SEE NOTE 9) (DAMPER)	6
7	1" DIA. FLANGE (GATE)	6
8	PIPE SPOOL (DAMPER)	4
9	SPRINKLER ADAPTER	3
10	FLANGE 1/2" DIA. (ELECTROVALVE TO WATER SUPPLY)	5
11	PIPE SPOOL (DAMPER) LENGTH (5' X DIA) MINIMUM	5
12	PIPE SPOOL (DAMPER) LENGTH (5' X DIA) MINIMUM	6
13	FLANGE 1/2" DIA. (ELECTROVALVE TO WATER SUPPLY)	5
14	FLANGE 1/2" DIA. (ELECTROVALVE TO WATER SUPPLY)	6
15	PIPE (DAMPER)	4

1 PLAN - SLAB ON GRADE METER STATION

SHEET 105

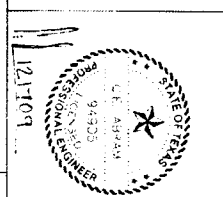


A SLAB ON GRADE METER STATION

SHEET 105

NOTES:

- (1) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (2) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (3) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (4) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (5) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (6) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (7) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (8) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (9) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (10) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (11) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (12) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (13) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (14) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.
- (15) METER SHALL BE PROVIDED BY A QUALIFIED ENGINEER. (SEE NOTE 10) FOR METER DATA AND TESTS.



PATE ENGINEERS

DATE JOB NO. 187100100

NFBWA-FBCMUD NO. 2

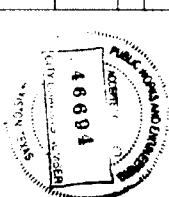
METERING STATION LAYOUT



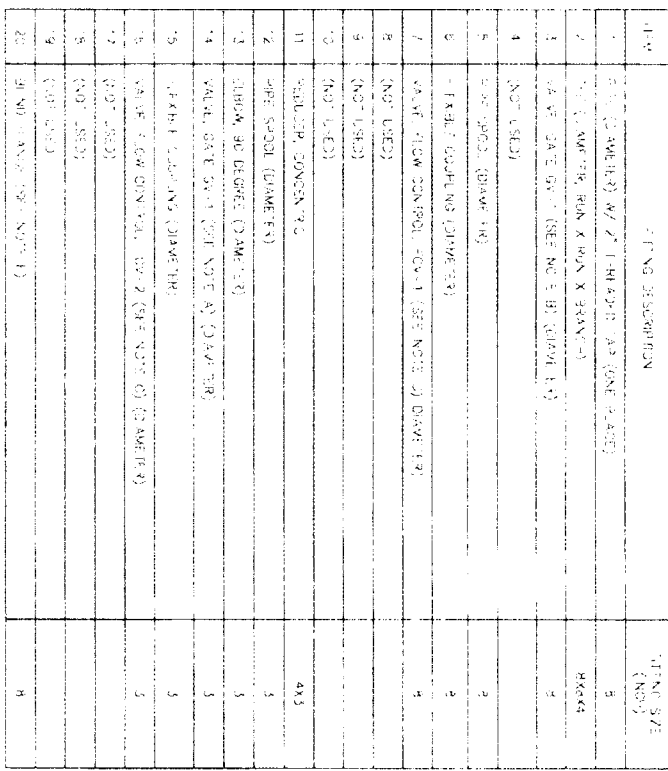
CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

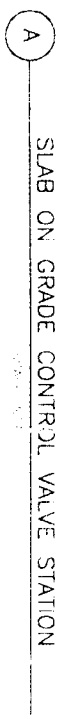
DATE: 10/26/2010
BY: [Signature]
CHECKED BY: [Signature]



2/23/10



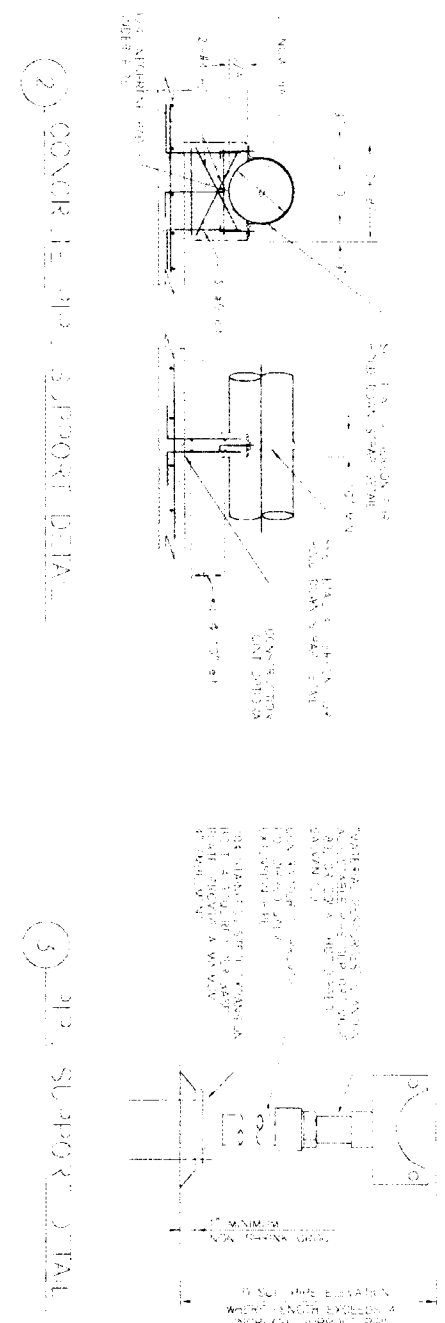
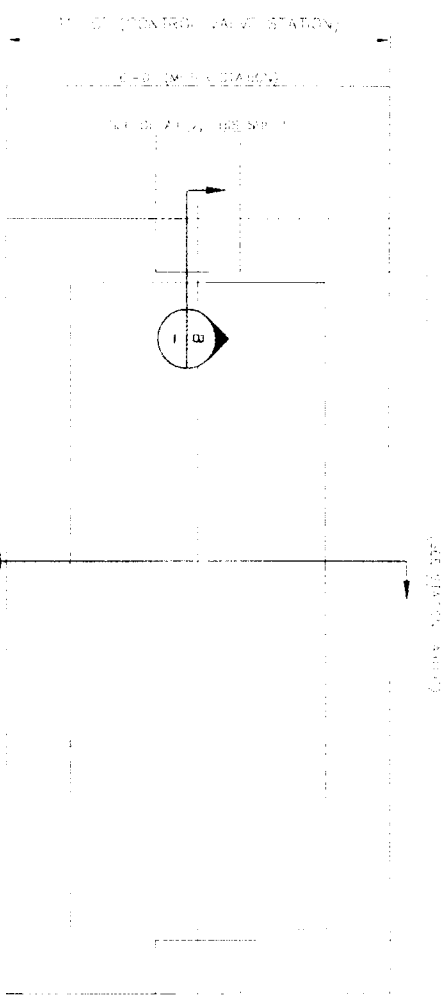
- 1 PLAN -- SLAB ON GRADE CONTROL VALVE STATION



1898 6 3/11/10
M. E. Grand 24-10
A. M. 2 11 10



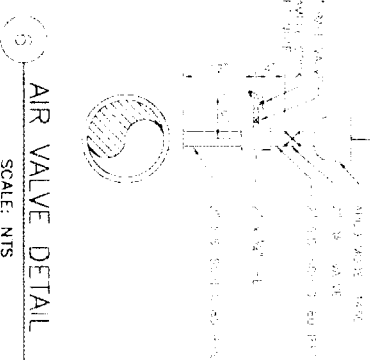
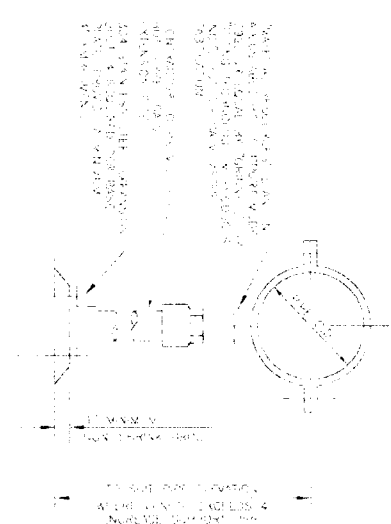
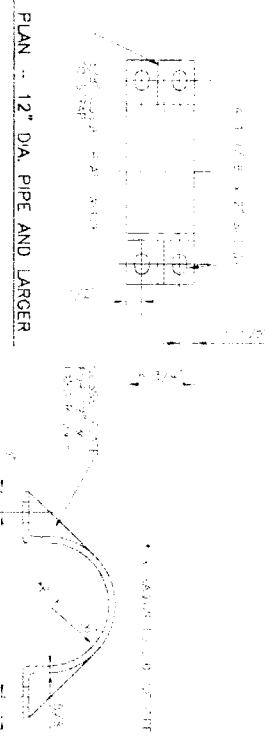
2/5/3/10



PLAN - METER AND CONTROL VALVE STRUCTURAL
SCALE: NTS

2. CONCRETE PIPE, 3. PROPOSED DETAIL

5. SUPPORT DETAIL



PLAN - 12" DIA. PIPE AND LARGER

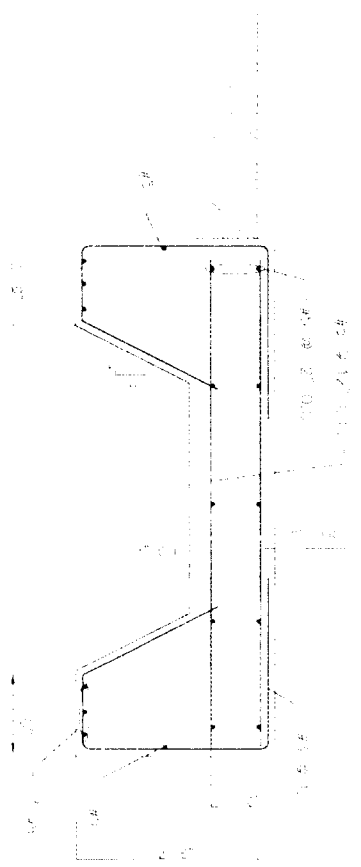
7. AIR VALVE DETAIL
SCALE: NTS

6. PIPE SUPPORT DETAIL W/STRAP

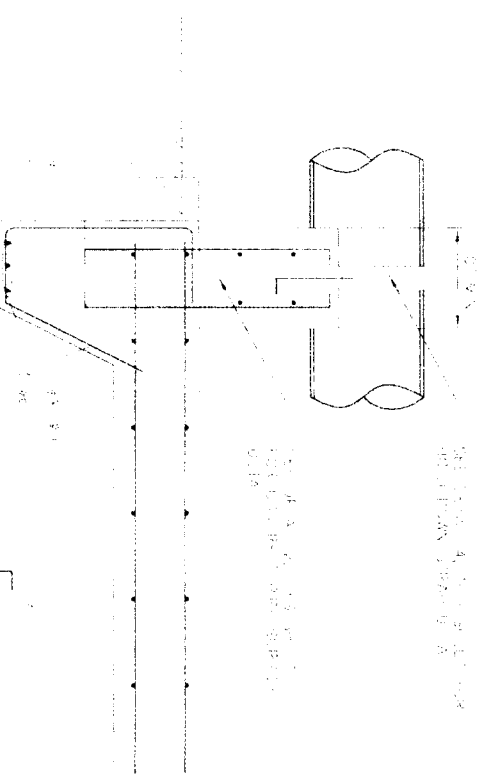
7. AIR VALVE DETAIL

PLAN - 4" TO 10" DIA. PIPE

4. HOLED DOWN STRAP DETAIL

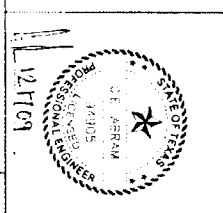


A. STRUCTURAL DETAIL
SCALE: NTS



B. STRUCTURAL DETAIL
SCALE: NTS

- NOTES:
1. SEE SHEET A FOR DETAILS OF ALL OTHERS.
 2. SEE SHEET B FOR DETAILS OF ALL OTHERS.
 3. SEE SHEET C FOR DETAILS OF ALL OTHERS.
 4. SEE SHEET D FOR DETAILS OF ALL OTHERS.



PATE ENGINEERS

PATE JOB NO. 18700100
NFBWA-FBCMUD NO. 2

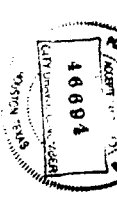
**METERING STATION AND
CONTROL VALVE STRUCTURAL**



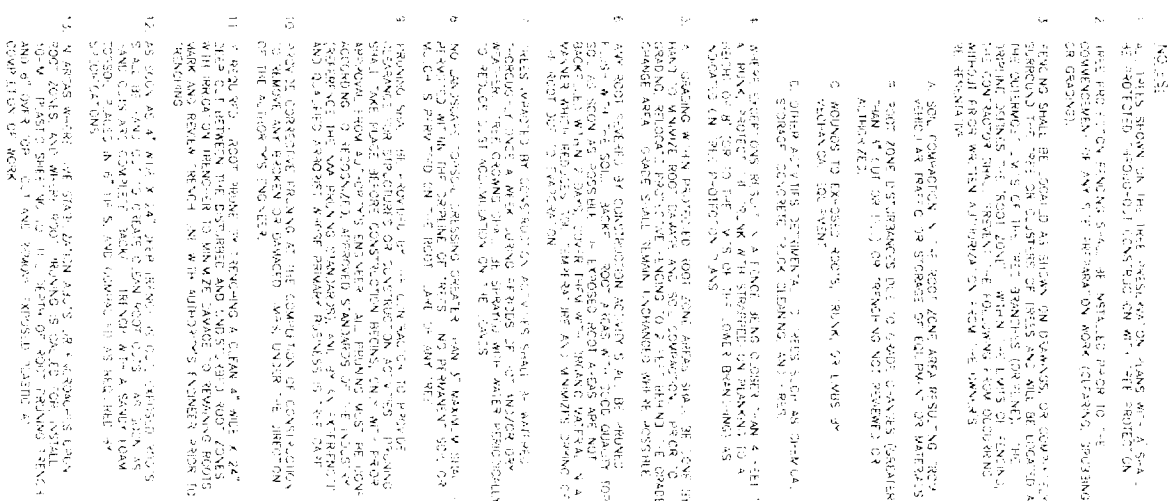
**CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING**

DESIGNED BY: *Robert C. Smith*
CHECKED BY: *Robert C. Smith*
DATE: *11/10/10*

PROJECT NO.: *18700100*
SHEET NO.: *1*



2/23/10



ΔT	$N_0 \cdot C_{H_2O} / P \cdot A$	T_m	C_{H_2O}
1			
2			
3			
4			



PATE  **ENGINEERS**
1111 11th Street
San Francisco, CA 94103
415.774.2200

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

PATE JOB NO. 187100100

NFBWA- FBCMUD NO. 2

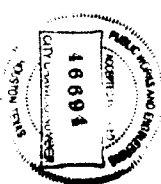
TREE PROTECTION PLAN

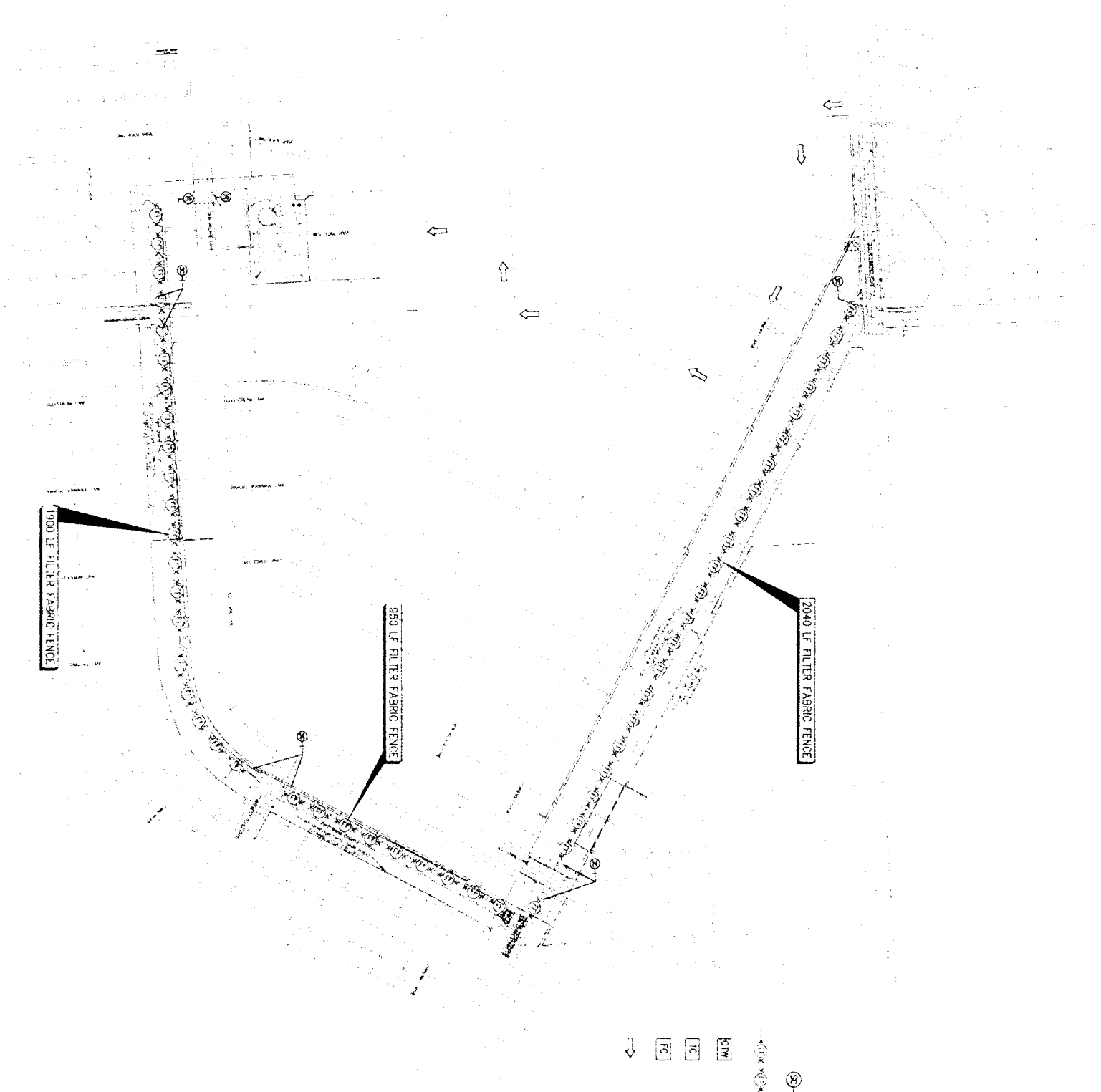


CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

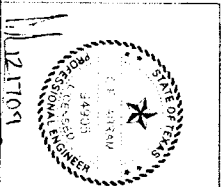
12006 61110
M. E. Ernest - 2-4-10
J. N. N. 2-4-10

[illegible]



LEGEND

- STABILIZED CONSTRUCTION ACCESS
- FILTER FABRIC FENCE
- CONCRETE TRUCK WASHOUT (TO BE LOCATED BY CONTRACTOR)
- TANK CONTAINER (TO BE LOCATED BY CONTRACTOR)
- FUEL OIL CELL (TO BE LOCATED BY CONTRACTOR)
- ACCESS ROUTE TO WATER PLANT



PATE ENGINEERS

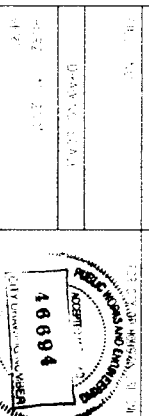
PATE JOB NO. 187100100
NFBWA-FBCMUD NO. 2

STORMWATER POLLUTION
PREVENTION PLAN



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

10/10/01
10/10/01
10/10/01



7/1/01

1	1. FILTER FABRIC FENCE. A cross-section showing a fence with filter fabric on one side, used for erosion control.	2	2. INLET PROTECTION BARRIERS FOR STAGE II INLETS. A plan view showing a barrier structure at an inlet.	5	5. STABILIZED CONSTRUCTION ACCESS. A plan view showing a stabilized access path for construction equipment.
3	3. REINFORCED FILTER FABRIC BARRIER. A cross-section showing a reinforced barrier with filter fabric.	4	4. INLET PROTECTION BARRIERS FOR STAGE I INLETS. A plan view showing a barrier structure at an inlet.	5	5. STABILIZED CONSTRUCTION ACCESS. A plan view showing a stabilized access path for construction equipment.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. EROSION CONTROL SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
2. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
4. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
5. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
6. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
7. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
8. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
9. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
10. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
11. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
12. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
13. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
14. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
15. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
16. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
17. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
18. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
19. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
20. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.



PATE ENGINEERS
 10000 WESTHELL DRIVE, SUITE 100
 HOUSTON, TEXAS 77036

DATE: JOB NO. 197100100
 NFBWA-FBCMUD NO. 2

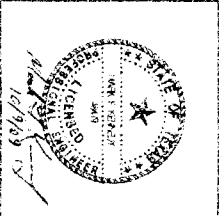
SWPPP DETAILS



CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

10/10/01
 10/10/01





NOTES:

1. ALL VALVES FAIL CLOSE
2. GAST COMPONENTS SHOWN HERE ARE TWO EXISTING DISTRICT GASTS AND ONE NEW GAST'S MATCH SIGNAL SPILLERS & GAST SELECTOR SWITCHES TO DISGAST'S ANTICIPATED LEAKAGE NUMBER OF GASTS. FURNISH GAST'S TO BE FURNISH EXISTING DISTRICT.
3. ALL HEAT TRACES ARE 5 FT. BE LOW DOWN MAX MANTAIN. CONTRACTOR TO PROVIDE VALVE & TRANSMITTER INSULATION, HOT BOX OR INSULATION BRACKETS IN A FASHION TO ALLOW EASY OF OPERATION & CALIBRATION. LONG TERM WEATHERPROOF DURABILITY W/ FREEZE PROTECTION THROUGH OVERHEATING.

LEGEND:

- MA - 1/2" - 1/4" TYPICAL BLOCK
- 1/2" - 1/4" TYPICAL BLOCK
- 1/2" - 1/4" TYPICAL BLOCK
- 1/2" - 1/4" TYPICAL BLOCK



BROWN & GAY
Brown & Gay Engineers, Inc.
10777 Audubon, Suite 200, Houston, TX 77032
Tel: (281) 558-7000 Fax: (281) 558-0700
www.browngay.com
TYPE: AUTOMATICALLY PRINTED

Brymcon, Inc.

10777 Audubon, Suite 200, Houston, TX 77032
Tel: (281) 558-7000 Fax: (281) 558-0700
www.browngay.com

CONTROL DIAGRAM
SHEET 2



CITY OF HOUSTON

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

10777 Audubon, Suite 200, Houston, TX 77032

NOTES:

2. SET COMPONENTS SHOWN HERE
ARE INDICATING DISTRICT
AGENTS AND TWO HIGHTS
MATCH ONLY SELECTS &
GET SELECTOR SWITCH PLAYS
TO SELECTS AND CALLED
1. TIGHT NUMBER OF CTS
WHEATHER SELECTOR TO THE
FIGHTS EXACTLY POSSIBLE.
3. ALL GREAT SPACE TAKE IS IN
THE 150 SECTOR AND VAX VAXIAN
CONTRACTOR TO PRIVATE VAX V
& HANSEYTER INSULATION, CO.
BOX OF INSULATION BAYERS
A PLATON TO A. G. W. CASE
D. SPRAYON & CALVEATION,
CND TEST MEASUREMENT
DICKINSON M/ FIELD PRO-
TECTOR WHEATHER VAXIAN

CA-3531

129 3A

04-98 - STD 1-2000A BLOOM

FORMA 3006

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group.

NO.	DATE	NAME	AGE	SEX	REL.	RES.	REMARKS
1	1900	...	...	...	...	...	...
2	1900	...	...	...	...	...	...
3	1900	...	...	...	...	...	...
4	1900	...	...	...	...	...	...
5	1900	...	...	...	...	...	...
6	1900	...	...	...	...	...	...
7	1900	...	...	...	...	...	...
8	1900	...	...	...	...	...	...
9	1900	...	...	...	...	...	...
10	1900	...	...	...	...	...	...
11	1900	...	...	...	...	...	...
12	1900	...	...	...	...	...	...
13	1900	...	...	...	...	...	...
14	1900	...	...	...	...	...	...
15	1900	...	...	...	...	...	...
16	1900	...	...	...	...	...	...
17	1900	...	...	...	...	...	...
18	1900	...	...	...	...	...	...
19	1900	...	...	...	...	...	...
20	1900	...	...	...	...	...	...
21	1900	...	...	...	...	...	...
22	1900	...	...	...	...	...	...
23	1900	...	...	...	...	...	...
24	1900	...	...	...	...	...	...
25	1900	...	...	...	...	...	...
26	1900	...	...	...	...	...	...
27	1900	...	...	...	...	...	...
28	1900	...	...	...	...	...	...
29	1900	...	...	...	...	...	...
30	1900	...	...	...	...	...	...
31	1900	...	...	...	...	...	...
32	1900	...	...	...	...	...	...
33	1900	...	...	...	...	...	...
34	1900	...	...	...	...	...	...
35	1900	...	...	...	...	...	...
36	1900	...	...	...	...	...	...
37	1900	...	...	...	...	...	...
38	1900	...	...	...	...	...	...
39	1900	...	...	...	...	...	...
40	1900	...	...	...	...	...	...
41	1900	...	...	...	...	...	...
42	1900	...	...	...	...	...	...
43	1900	...	...	...	...	...	...
44	1900	...	...	...	...	...	...
45	1900	...	...	...	...	...	...
46	1900	...	...	...	...	...	...
47	1900	...	...	...	...	...	...
48	1900	...	...	...	...	...	...
49	1900	...	...	...	...	...	...
50	1900	...	...	...	...	...	...
51	1900	...	...	...	...	...	...
52	1900	...	...	...	...	...	...
53	1900	...	...	...	...	...	...
54	1900	...	...	...	...	...	...
55	1900	...	...	...	...	...	...
56	1900	...	...	...	...	...	...
57	1900	...	...	...	...	...	...
58	1900	...	...	...	...	...	...
59	1900	...	...	...	...	...	...
60	1900	...	...	...	...	...	...
61	1900	...	...	...	...	...	...
62	1900	...	...	...	...	...	...
63	1900	...	...	...	...	...	...
64	1900	...	...	...	...	...	...
65	1900	...	...	...	...	...	...
66	1900	...	...	...	...	...	...

**BROWN
& GAY**
CORPORATION
INC.

Brown & Gay Engineers, Inc.
1917 Northshore Drive, Van Nuys, CA 91411
Tel: 818/709-6720 Fax: 818/709-6701
E-mail: bge@brownandgay.com
www.brownandgay.com

THE NATIONAL ARCHITECTURE

Brymcon, Inc.

Electrical Engineering
1015 Rappaport Ave. # 425
Darien, CT 06412 (203) 261-1966

CONTROL DIAGRAM

SHEET 3



CITY OF HOUSTON

[illegible]

217 (26710)

1000

Mr. Gault 2-9-10

St. Lawrence

Abstract

FIGURE 1

100

[illegible]

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}}$

10

10

[illegible]

1

33 45

100

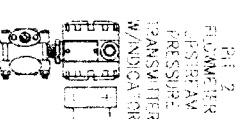


46694

ALL VALUES IN PERCENT

- ## LEGEND

10-11-2014



2/23/10

36 45

Electrical Engineering
IEEE Registration No. 6372
3220 4th Ave. E. 1st Fl. 98104-3220
Seattle, WA 98104-3220

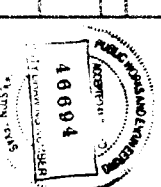
CONTROL DIAGRAM
SHEET 6

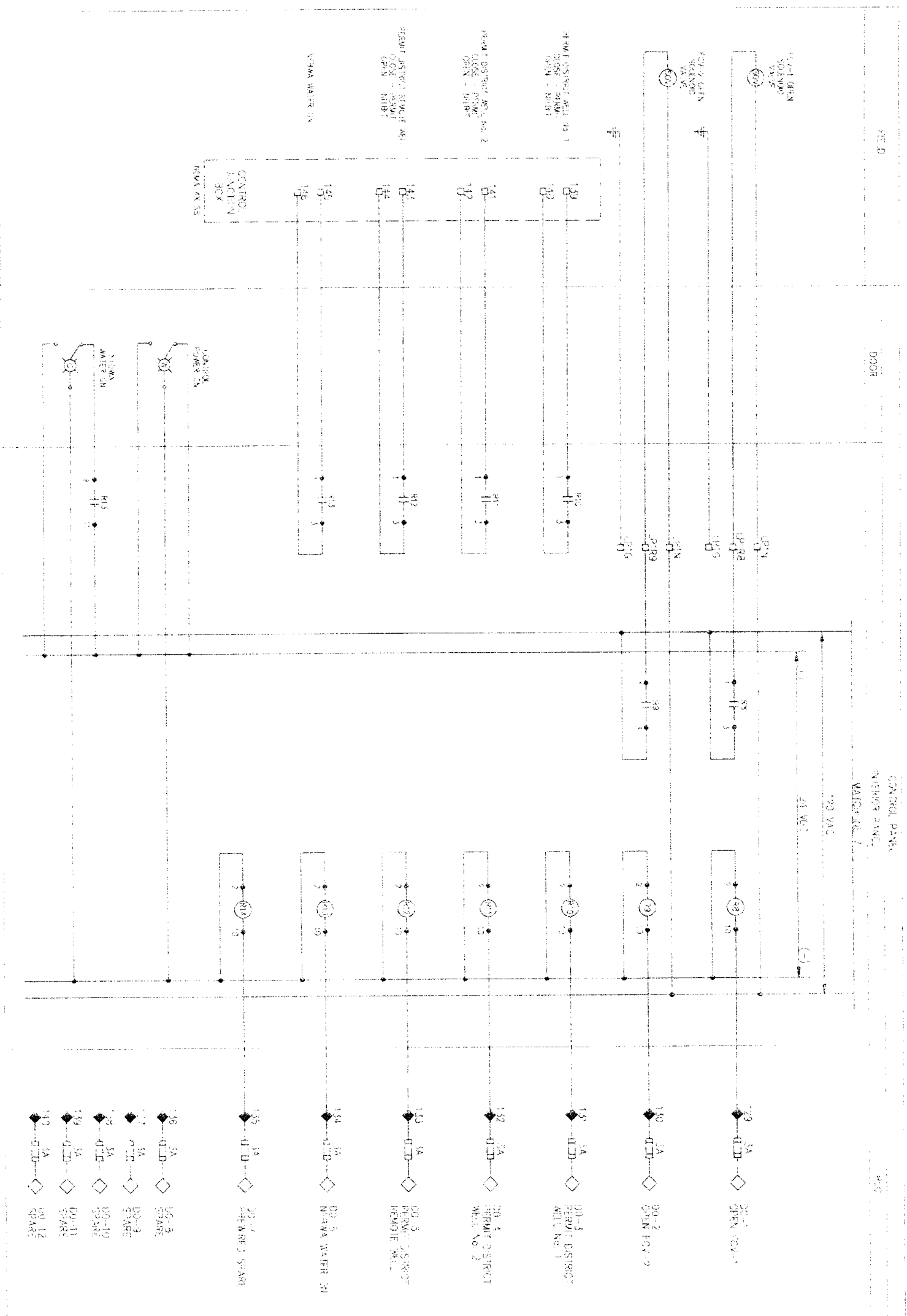


CITY OF HOUSTON

EXPERIMENT OF FIELD WORKS AND EXPERIMENT

Robert (2/7/72)
M.E. Grand-2400
A. H. H. H. H.



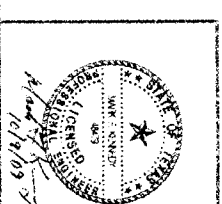
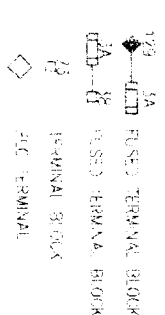


NOTES:

1. ALL VALUES MUST BE CLOSE TO 0.50 COMPONENTS SHOWN HERE ARE TWO EXISTING DISTRICTS AND TWO NEW DISTRICTS. GASTS AND TAD HAVE 0.50'S. MATCH BOUND SPILLERS & G51 25.00 OR 50.00 VOTES TO DISTRICTS ANNOTATED. VOTING NUMBER OF GASTS PRESENT OR PLACED TO THE TABLES EXHIBIT POSSIBLE.

3. ALL HEAT PACE TABLES TO BE 150 DEGREE MAX VANTAN CONTRACTION TO PROVE VALVE & TRANSFER INSULATION IN BOX OR INSULATION BLANKETS IN A FASHION TO ALLOW EASE OF OPERATION & COMPARISON OF THESE MATERIALS FOR DURABILITY W/ - REXTEZ. PROOF REQUIRED BEFORE OVERHEATING.

1502



DATE	NO	NAME	AGE	SEX	REL	RES	REMARKS
1944	1	...	...	...	...	...	...
1944	2	...	...	...	...	...	...
1944	3	...	...	...	...	...	...
1944	4	...	...	...	...	...	...
1944	5	...	...	...	...	...	...
1944	6	...	...	...	...	...	...
1944	7	...	...	...	...	...	...
1944	8	...	...	...	...	...	...
1944	9	...	...	...	...	...	...
1944	10	...	...	...	...	...	...
1944	11	...	...	...	...	...	...
1944	12	...	...	...	...	...	...
1944	13	...	...	...	...	...	...
1944	14	...	...	...	...	...	...
1944	15	...	...	...	...	...	...
1944	16	...	...	...	...	...	...
1944	17	...	...	...	...	...	...
1944	18	...	...	...	...	...	...
1944	19	...	...	...	...	...	...
1944	20	...	...	...	...	...	...
1944	21	...	...	...	...	...	...
1944	22	...	...	...	...	...	...
1944	23	...	...	...	...	...	...
1944	24	...	...	...	...	...	...
1944	25	...	...	...	...	...	...
1944	26	...	...	...	...	...	...
1944	27	...	...	...	...	...	...
1944	28	...	...	...	...	...	...
1944	29	...	...	...	...	...	...
1944	30	...	...	...	...	...	...
1944	31	...	...	...	...	...	...
1944	32	...	...	...	...	...	...
1944	33	...	...	...	...	...	...
1944	34	...	...	...	...	...	...
1944	35	...	...	...	...	...	...
1944	36	...	...	...	...	...	...
1944	37	...	...	...	...	...	...
1944	38	...	...	...	...	...	...
1944	39	...	...	...	...	...	...
1944	40	...	...	...	...	...	...
1944	41	...	...	...	...	...	...
1944	42	...	...	...	...	...	...
1944	43	...	...	...	...	...	...
1944	44	...	...	...	...	...	...
1944	45	...	...	...	...	...	...
1944	46	...	...	...	...	...	...
1944	47	...	...	...	...	...	...
1944	48	...	...	...	...	...	...
1944	49	...	...	...	...	...	...
1944	50	...	...	...	...	...	...
1944	51	...	...	...	...	...	...
1944	52	...	...	...	...	...	...
1944	53	...	...	...	...	...	...
1944	54	...	...	...	...	...	...
1944	55	...	...	...	...	...	...
1944	56	...	...	...	...	...	...
1944	57	...	...	...	...	...	...
1944	58	...	...	...	...	...	...
1944	59	...	...	...	...	...	...
1944	60	...	...	...	...	...	...
1944	61	...	...	...	...	...	...
1944	62	...	...	...	...	...	...
1944	63	...	...	...	...	...	...
1944	64	...	...	...	...	...	...
1944	65	...	...	...	...	...	...
1944	66	...	...	...	...	...	...

BROWN & GAY
ENGINEERS, INC.

Brown & Gay Engineers, Inc.
6677 Westline, Suite 400 Houston, TX 77032
Tel. (281) 554-7900 Fax (281) 554-7921
Telex 154000 and 154001
TYPE REQUISITION NO. 17-0036

Brymcon, Inc.

Electrical Engineering
1600 E. Redwood Ave. • 101-373
• 1001-323-5066
• 1001-323-5066

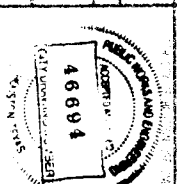
CONTROL DIAGRAM
SHEET 11

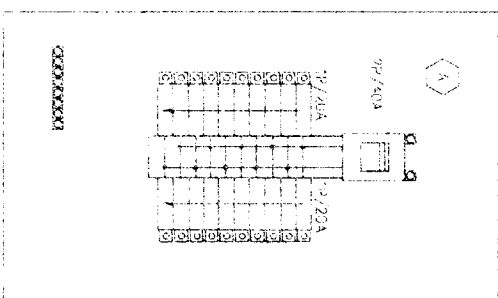
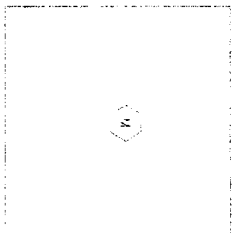
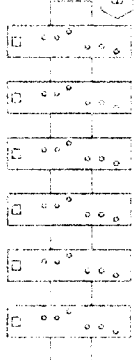
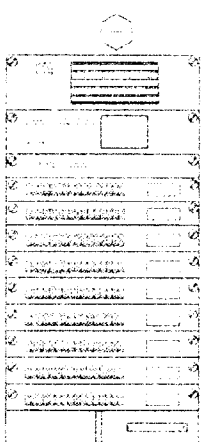
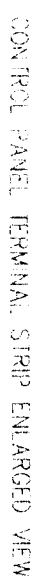
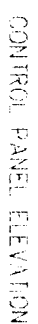
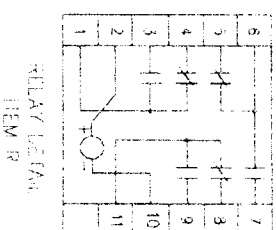


CITY OF HOUSTON

WOMEN FOR WOMEN

Book 6 - 2/1/11
M. L. Rand - 2-4-10
J. H. L. - 2-1-11



[illegible][illegible][illegible]

WILLIAM HENRY

**BROWN
& GAY**

Brymcon, Inc.

ELECTRICAL
CONTROL PANEL
LAYOUT

CITY OF HOUSTON

[illegible]

Robert Gilpin
M.E. Good-2-9-10

