

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 12 day of JUNE, 20 12, before the Fort Bend Commissioners Court came on to be heard and reviewed the accompanying notice of HURTADO CONSTRUCTION COMPANY

Job Location WEST BELLFORT, LONG MEADOW FARM PARKWAY, MASON ROAD

Dated 5/28/12 Bond No. 58S203055, Permit No. 84158

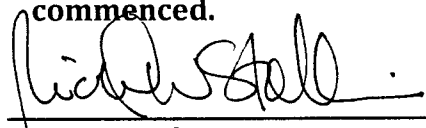
to make use of certain Fort Bend County property subject to, "A Revised Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction 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 Statues. Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, 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

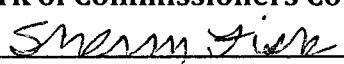
Mail notices to: Permit Administrator
Fort Bend County Engineering
P.O. Box 1449
Rosenberg, Texas 77471
281-633-7500

- 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 6-12-12
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 58S203055

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, Hurtado Construction Company whose address is 2115 Center Street, Richmond, TX 77469, Texas, hereinafter called the Principal, and West American Insurance Company, a Corporation existing under and by virtue of the laws of the State of Indiana and authorized to do an indemnifying business in the State of Texas, and whose principal office is located at 350 E. 96th Street, Indianapolis, IN 46240, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought within said State is Jeremy Medeiros and whose address is 1600 N. Collins Blvd #3000, Richardson, TX 75080, 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** ^{NINETY SIX THOUSAND SEVEN HUNDRED SEVENTY SIX & 50/100} Dollars (\$96,776.50) current, lawful money of the United States of America, to be paid to said Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, to which payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us, our heirs, executors, administrators, successors, assigns, and legal representatives, jointly and severally, by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the above bounden principal contemplates laying, constructing, maintaining and/or repairing one or more cables, conduits, and/or pole lines in, under, across and/or along roads, streets and highways 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 24th day of May, 2012.

Hurtado Construction Company

PRINCIPAL

BY 

West American Insurance Company

SURETY

BY Jacqueline Kirk, Attorney in Fact 

IMPORTANT NOTICE

**TO OBTAIN INFORMATION OR MAKE A COMPLAINT:
YOU MAY CONTACT THE TEXAS DEPARTMENT OF INSURANCE
TO OBTAIN INFORMATION ON COMPANIES, COVERAGES,
RIGHTS OR COMPLAINTS AT:**

1-800-252-3439

YOU MAY WRITE THE TEXAS DEPARTMENT OF INSURANCE:

**P. O. BOX 149104
AUSTIN, TEXAS 78714-9104
FAX #(512) 475-1771**

PREMIUM OR CLAIM DISPUTES:

**SHOULD YOU HAVE A DISPUTE CONCERNING YOUR PREMIUM
OR ABOUT A CLAIM, YOU SHOULD CONTACT THE AGENT OR
COMPANY FIRST. IF THE DISPUTE IS NOT RESOLVED, YOU MAY
CONTACT THE TEXAS DEPARTMENT OF INSURANCE.**

ATTACH THIS NOTICE TO YOUR POLICY

**THIS NOTICE IS FOR INFORMATION ONLY AND DOES NOT BECOME
A PART OR CONDITION OF THE ATTACHED DOCUMENT.**

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

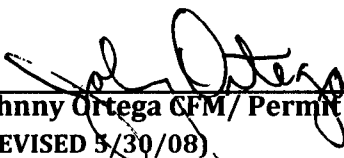
PERMIT APPLICATION REVIEW FORM FOR CABLE, CONDUIT, AND POLE LINE ACTIVITY IN FORT BEND COUNTY

PERMIT NO. 034158

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

- (1) Complete Application Form.
- a. Name of road, street, and/or drainage ditch affected.
 - b. Vicinity map showing course of direction.
 - c. Plans and specifications.
- (2) Bond:
- District Attorney, approval when applicable.
 - Perpetual bond currently posted.
No. _____
Amount _____
 - Performance bond submitted.
No. 58S203055
Amount \$96,776.50
 - 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) _____
Drainage District Approval when applicable

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



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

05/29/2012

Date

**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. 405
 PERMIT No. 84158 PCT. No. 3
 BOND No. 589203055

Formal notice is hereby given that HURTADO CONSTRUCTION COMPANY
 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
West Bellfort	1200' East of Grand Parkway and West Bellfort	80 Linear Feet	:	:	:	Cased
Mason Road	40' North of Intersection of Mason Road and West Bellfort	100 Linear Feet	:	:	:	Cased
Waterview Estates Trail	40' North of Intesection of West Bellfort and Waterview Estates	107 Linear Feet	:	:	:	Cased
Oxford Chase Trail	150' North of West Bellfort and Oxford Chase Trail	80 Linear Feet	:	:	:	Cased

Along Roads and/or Drainage Ditches

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

General Description

Installation of 16 Inch, 20 Inch, 24 Inch PVC Waterline for North Fort Bend 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: HURTADO CONSTRUCTION COMPANY
 AGENT and/or OWNER

[Signature]
 (Signature)

NAME & TITLE BERNARD C. VANDERSON
 (Please Print)

DATE 05/25/12

ADDRESS 2115 CENTER STREET
 (Street/P.O. Box)

RICHMOND TEXAS 77469
 City State Zip

TELEPHONE NO: 281 562 5717
 (accessible 24 hrs/day, 7 days/week)

Does project
 comply with Fort
 Bend County
 Outdoor Lighting
 Ordinance?
 Yes ()
 No ()

PC →

**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. 405
 PERMIT No. 84158 PCT. No. 3
 BOND No. 589203055

Formal notice is hereby given that HURTADO CONSTRUCTION COMPANY
 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
Long Meadow Farm Parkway	600' West of Long Meadow Farm Parkway and Winston Ranch Pkwy	120 Linear Feet	:	:	:	Cased
West Bellfort	West Bellfort and Winston Ranch Parkway	160 Linear Feet	:	:	:	Cased
West Bellfort	500' East of West Bellfort and Winston Ranch Parkway	84 Linear Feet	:	:	:	Cased

Along Roads and/or Drainage Ditches

Road or Ditch Name	Distance & Direction From Nearest Intersection	To	Distance
West Bellfort	From Winston Ranch Parkway and West Bellfort, traveling East Approximately 500': <u>20" WATERLINE</u>		<u>325'</u>

General Description

Installation of 16 Inch, 20 Inch, 24 Inch PVC Waterline for North Fort Bend Water Authority in the county of Fort Bend.

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: HURTADO CONSTRUCTION COMPANY
 AGENT and/or OWNER


 (Signature)

NAME & TITLE BENJAMIN C. VASQUEZ
 (Please Print)

DATE 05/25/12

ADDRESS 2115 CENTER STREET
 (Street/P.O. Box)

RICHMOND TEXAS 77469
 City State Zip

TELEPHONE NO: 281 802 8217
 (accessible 24 hrs/day, 7 days/week)

Does project comply with Fort Bend County Outdoor Lighting Ordinance?
Yes ()
No ()

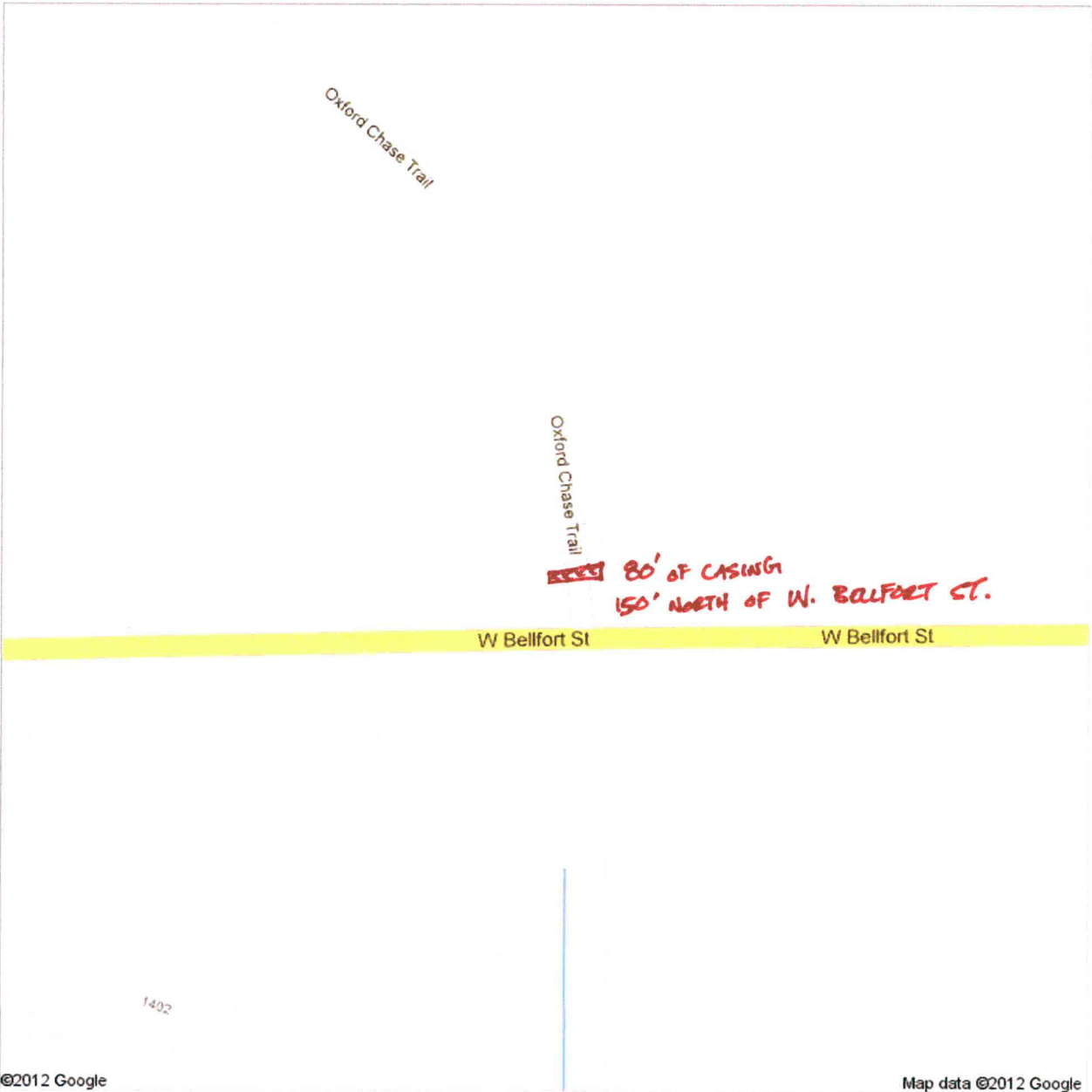


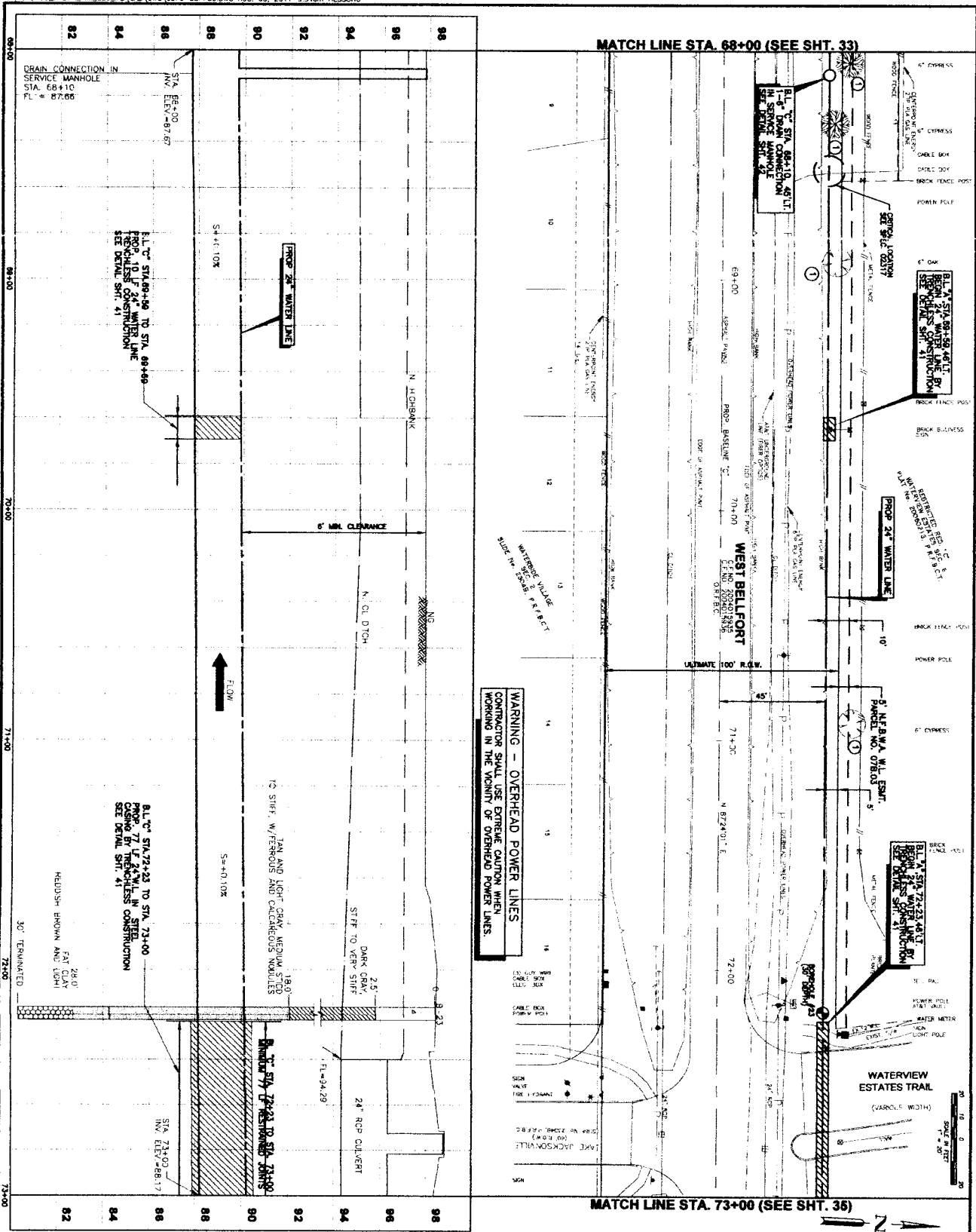
Address Long Meadow Farms, TX 77406

You can enter notes here

Get Google Maps on your phone

Text the word "GMAPS" to 466453





WARNING - OVERHEAD POWER LINES
 CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THE VICINITY OF OVERHEAD POWER LINES.

PRIVATE UTILITY LINES SHOWN
 DATE: 8-4-11
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

NOTICE
 AT LEAST 14 HOURS BEFORE EXCAVATING IN STREET OR UNDERGROUND, THE CONTRACTOR SHALL NOTIFY THE UTILITY LOCATOR CENTER (ULC) AT (713) 223-4447 OR 1-800-488-8344 TO ARRANGE FOR LINES TO BE THINED OFF OR MARKED. CALL CENTERPOINT AT 713-207-7777.

NOTE
 SHOWN TO REMOVE EXISTING TREE. SET TO BE REPLACED WITH 24" RCP CULVERT AND 24" RCP CULVERT. PROTECT EXISTING TREE. (SEE SPEC. SECTION 05110) REPLACE ALL EXISTING SOANS IN CONSTRUCTION (CIP).



W.E. Miller
 engineers
 12121 Wilshire Lane
 Suite 200
 Houston, Texas 77078
 (713) 461-9600
 FAX: (713) 461-9600
 TEXAS REGISTRATION NO. 1-487

HFBMA SEGMENT 7B
PLAN & PROFILE
BASELINE "C"
ALONG WEST BELLFORT
FROM STA. 68+00 TO STA. 73+00



CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 11-000000-0000
 SHEET NO. 34 of 84

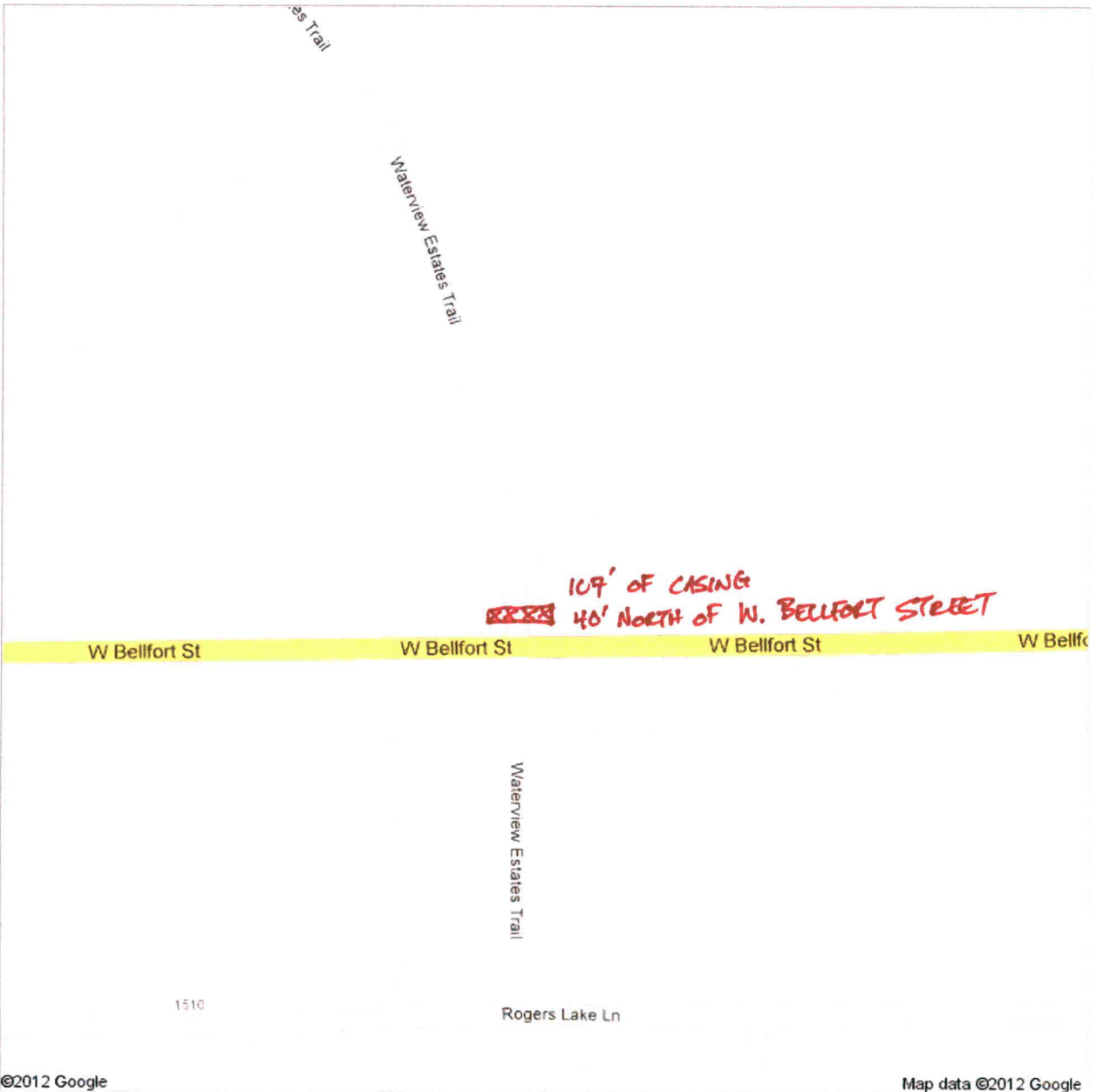


Address Long Meadow Farms, TX 77406

You can enter notes here

Get Google Maps on your phone

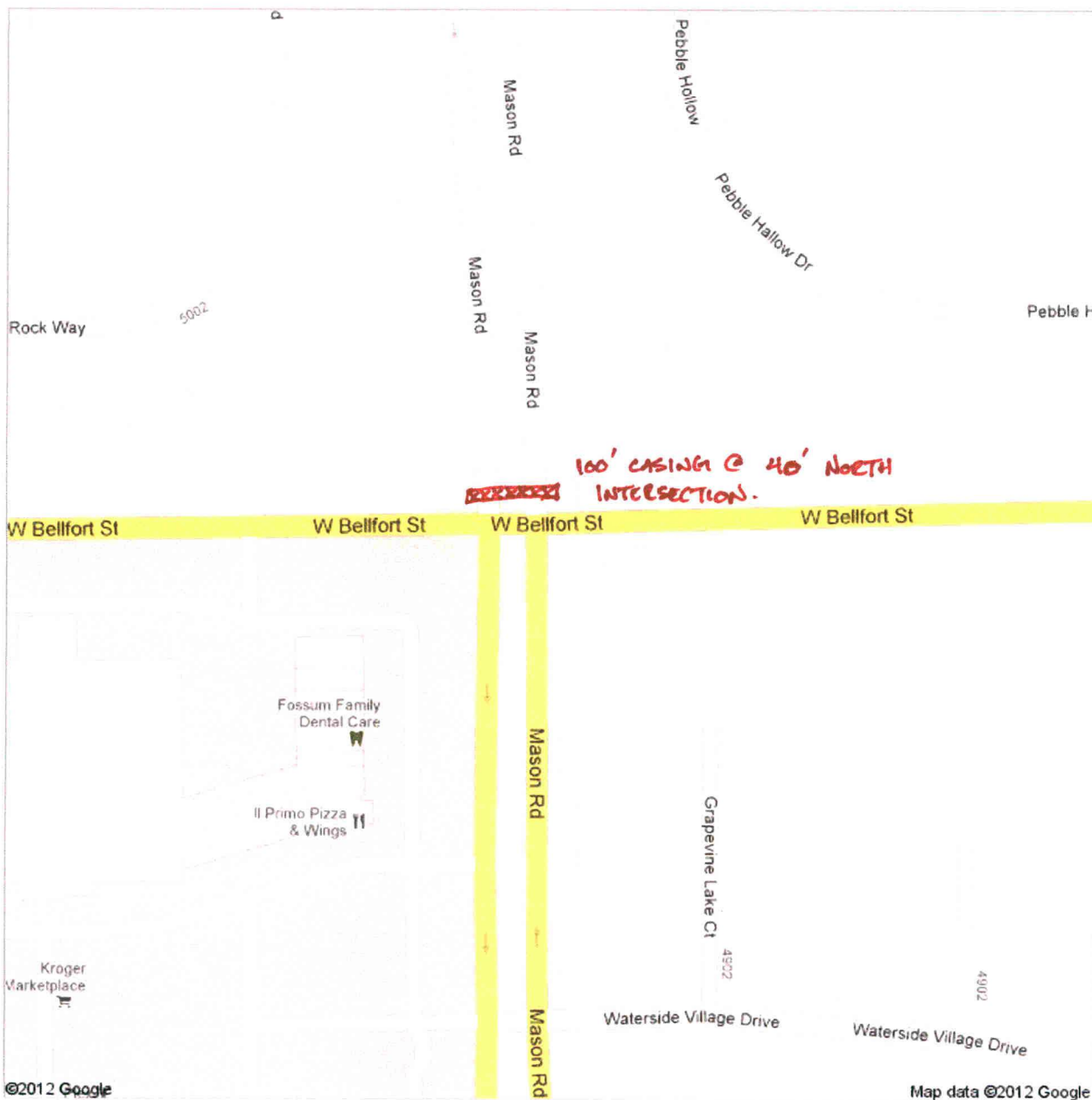
Text the word "GMAPS" to 466453





Address Long Meadow Farms, TX 77406

Intersection of Mason Road and West Belfort Street



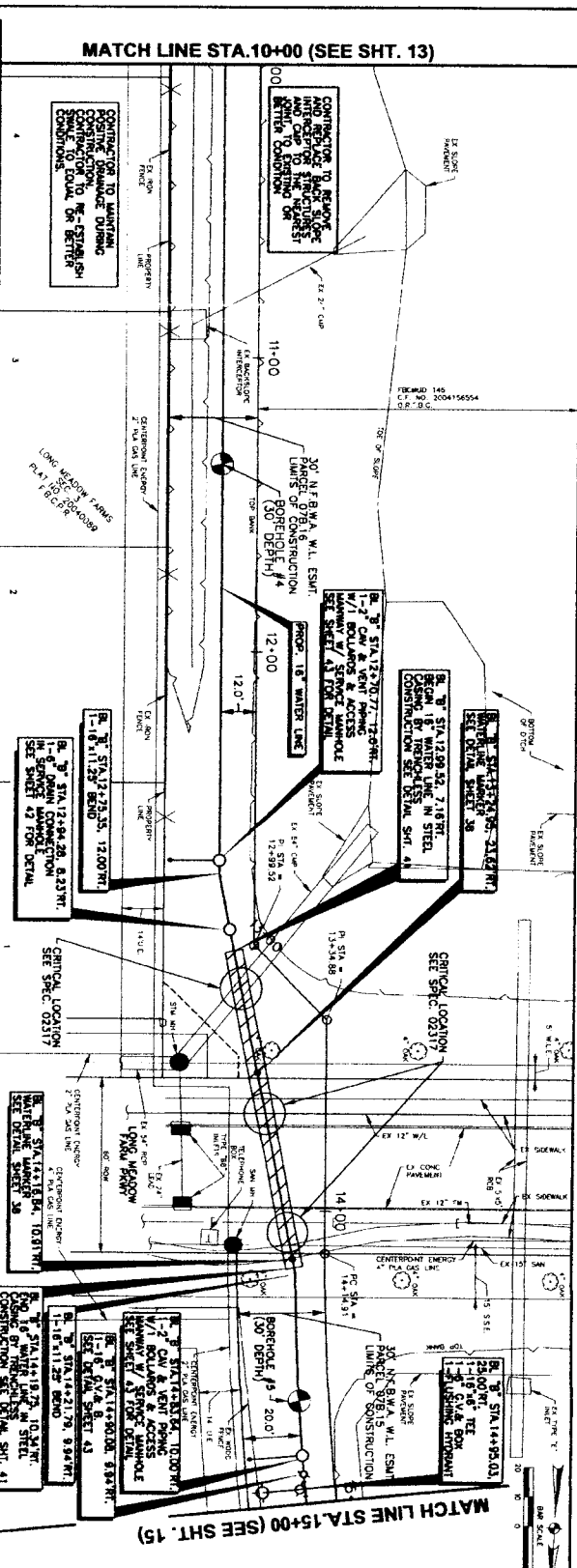
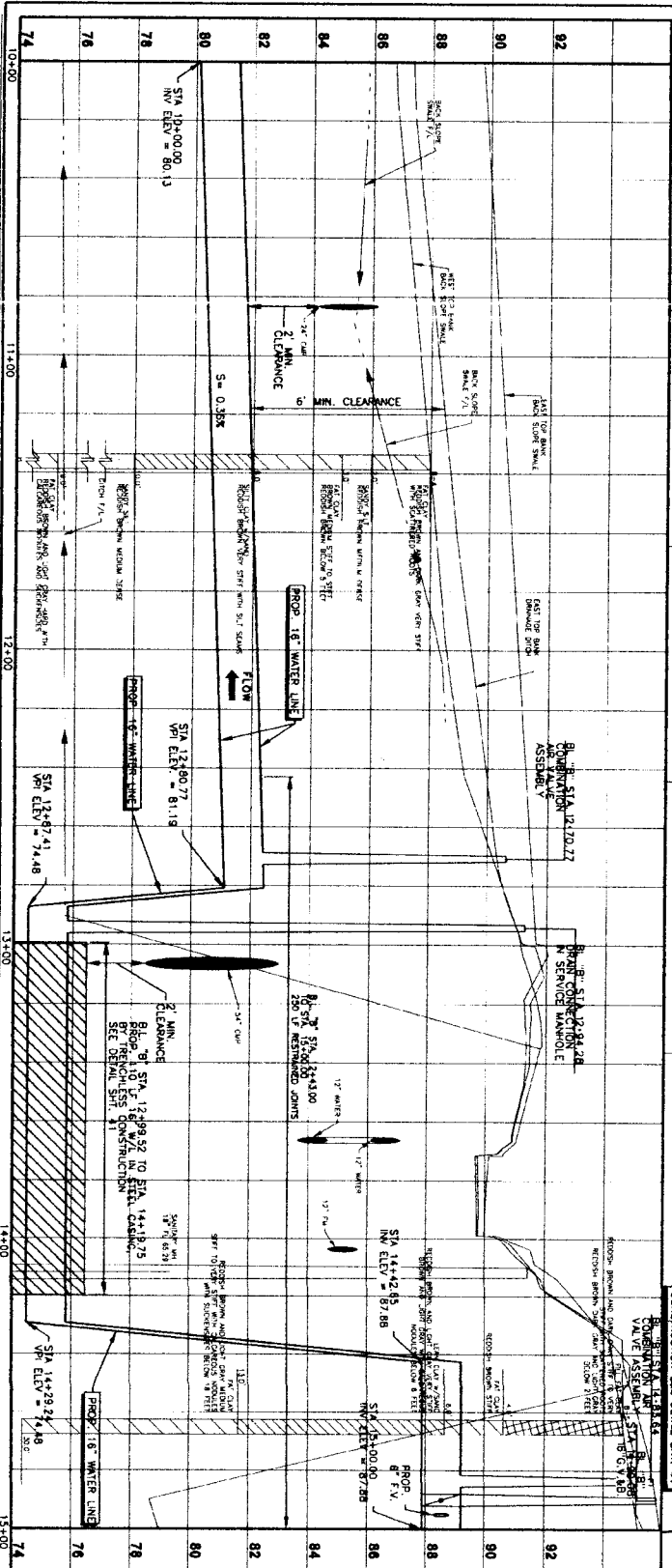


Address **Long Meadow Farms, TX 77406**

1200' East of Grand Parkway 99 and West Belfort Street



MATCH LINE STA.10+00 (SEE SHT. 13)



PRIVATE UTILITY LINES SHOWN

DATE: 9-1-11

BY: [Signature]

FOR THE CITY OF HOUSTON

1. REMOVE AND REGRADE EXISTING TREES (SEE SPEC. SECTION 02015)

2. PROTECT EXISTING TREE (SEE SPEC. SECTION 01042)

3. REMOVAL LINES, SPURRING LINES AND VALVES FIRST SHALL BE DONE AND CAPED WITH 18\"/>

4. AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EXCAVATIONS CALL ONE STAR INDICATION CENTER (713) 223-4567 OR 1-800-688-8344

CALL CENTER (713) 223-4567

NOTE: ALL EXCAVATIONS AT 10' DEPTH SHALL BE PROTECTED BY SHIELDING.

PLAN AND PROFILE

BASELINE "B"

ALONG DRAINAGE DITCH

FROM STA. 10+00 TO STA. 15+00

NORTH FORT BEND

INFWA SEGMENT 7B

Engineering and Surveying
 9800 Westheimer Avenue, Suite 400
 Houston, Texas 77036
 (713) 770-0000
 COSTELLO, INC.
 HOUSTON, TEXAS

NOTE: CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND LOCATIONS BEFORE CONSTRUCTION.

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 9-1-11

BY: [Signature]

FOR THE CITY OF HOUSTON

1. REMOVE AND REGRADE EXISTING TREES (SEE SPEC. SECTION 02015)

2. PROTECT EXISTING TREE (SEE SPEC. SECTION 01042)

3. REMOVAL LINES, SPURRING LINES AND VALVES FIRST SHALL BE DONE AND CAPED WITH 18\"/>

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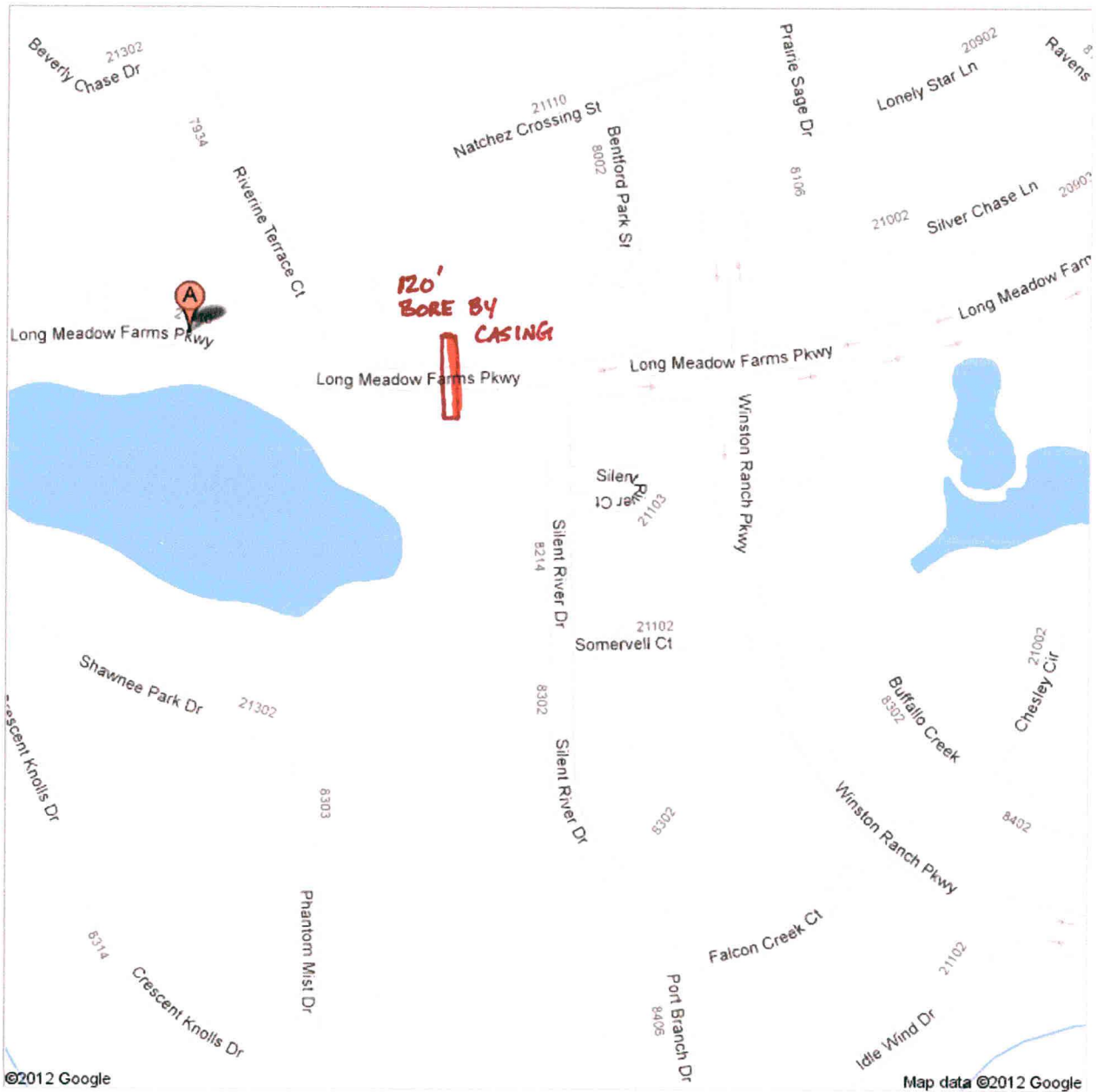
CALL CENTER (713) 223-4567

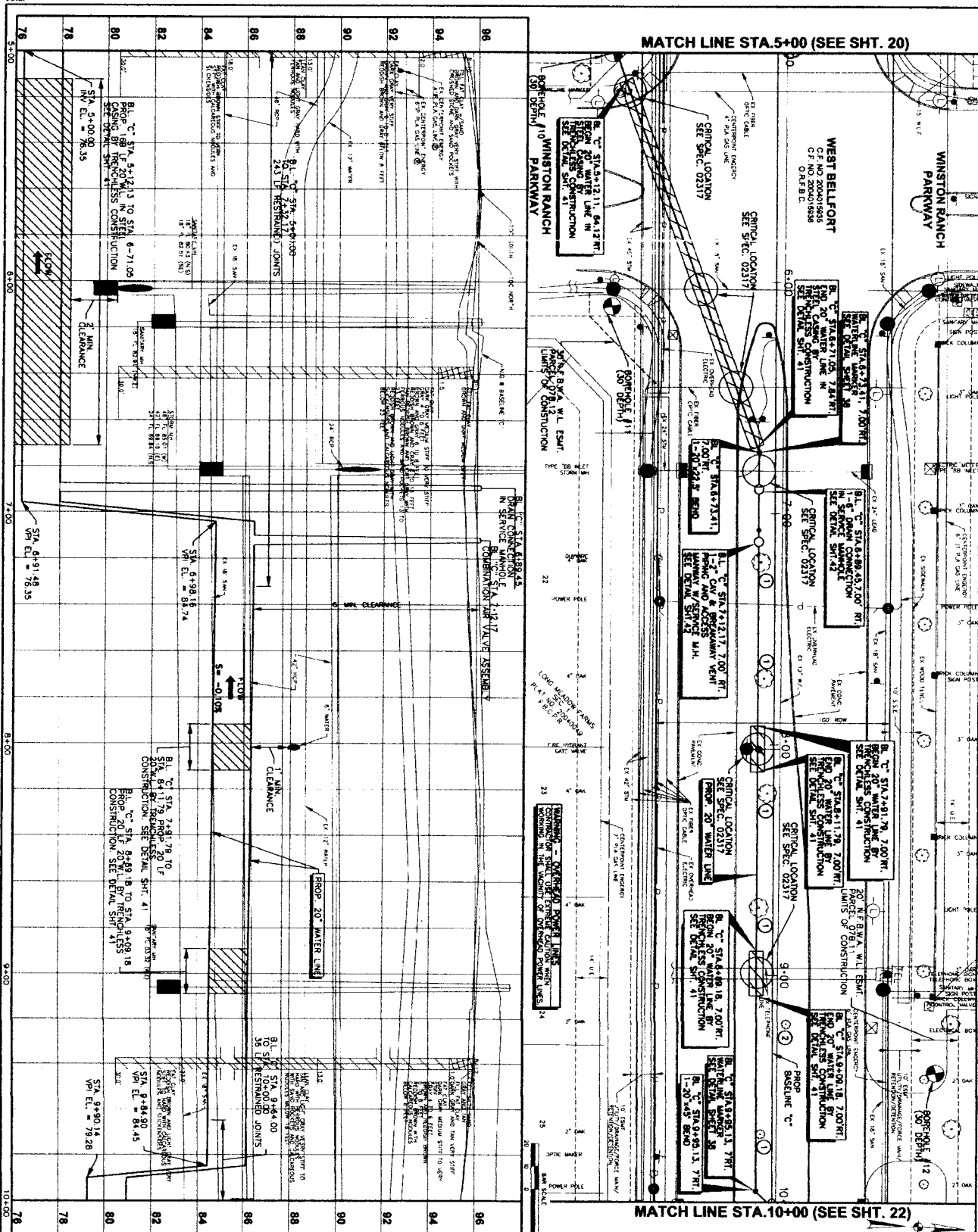
NOTE: ALL EXCAVATIONS AT 10' DEPTH SHALL BE PROTECTED BY SHIELDING.



Address **21015 Long Meadow Farms Pkwy**
Richmond, TX 77406

600' WEST OF LONG MEADOW FARMS PARKWAY AND WINSTON RANCH PARKWAY





MATCH LINE STA.5+00 (SEE SHT. 20)

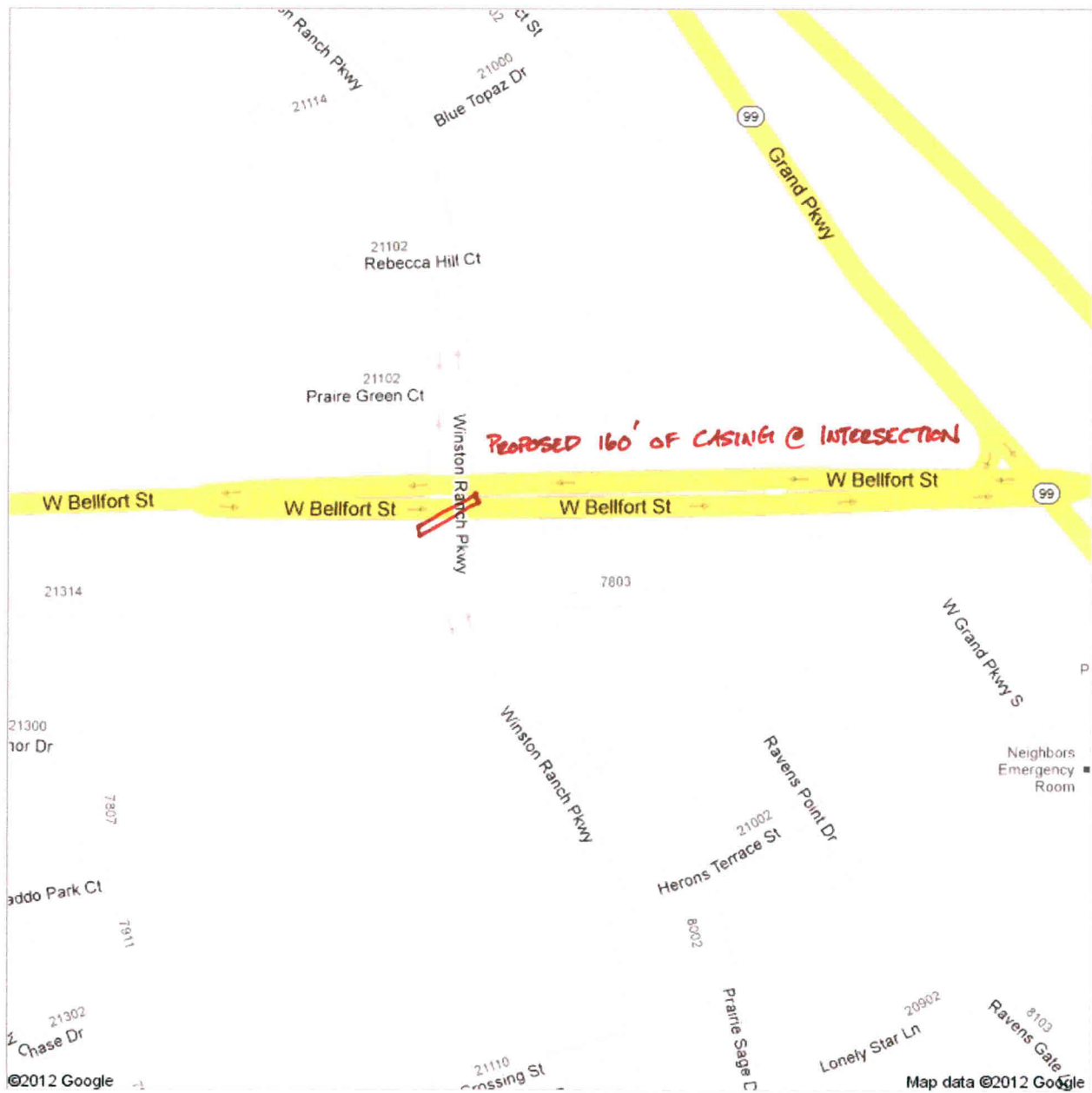
MATCH LINE STA.10+00 (SEE SHT. 22)

<p>PRIVATE UTILITY LINES SHOWN</p> <p>DATE: 8/2/11</p> <p>BY: [Signature]</p>	
<p>NOTICE: AT LEAST 48 HOURS BEFORE EXAMINING IN STREET OR UNDERGROUND, CONTACT THE UTILITY LOCATOR SERVICE AT (713) 251-4597 OR (713) 251-4597. THE UTILITY LOCATOR SERVICE IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED.</p>	
<p>NOTE: (REFER TO ① ON PLAN)</p> <p>1. USE GRADE TO REPORT EXISTING TREE SET TO 50% AND REPORT TO THE UTILITY LOCATOR SERVICE (SECTION 02317)</p> <p>2. PROTECT EXISTING TREE. (SEE SPEC. SECTION 01560)</p> <p>3. IMPROVE EXISTING TREE. (SEE SPEC. SECTION 01560)</p> <p>4. REMOVE AND REPAIR CURB WITHIN THE RIGHT-OF-WAY OF THE UTILITY LOCATOR SERVICE. (SEE SPEC. SECTION 01560)</p> <p>5. REMOVE AND REPAIR CURB WITHIN THE RIGHT-OF-WAY OF THE UTILITY LOCATOR SERVICE. (SEE SPEC. SECTION 01560)</p> <p>6. DANGER TO UNLICENSED AREA IS INDICATED.</p>	
<p>PLANNED AND SURVEYED FOR THE CITY OF HOUSTON</p> <p>DATE: 1-2-09</p> <p>BY: [Signature]</p>	
<p>DRAWING SCALE: 1"=20'</p> <p>FILE NO: [Blank]</p> <p>FOR CITY OF HOUSTON USE ONLY</p>	
<p>SHEET NO. 21 OF 84</p>	
<p>CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING</p>	
<p>NFBWA SEGMENT 7B ALONG WEST BELLFORT FROM STA. 5+00 TO STA. 10+00</p>	
<p>Costello, Inc. Engineering and Surveying 1719 West Loop West, Suite 200 Houston, Texas 77056 Phone: (713) 783-8788 Fax: (713) 783-2860</p>	

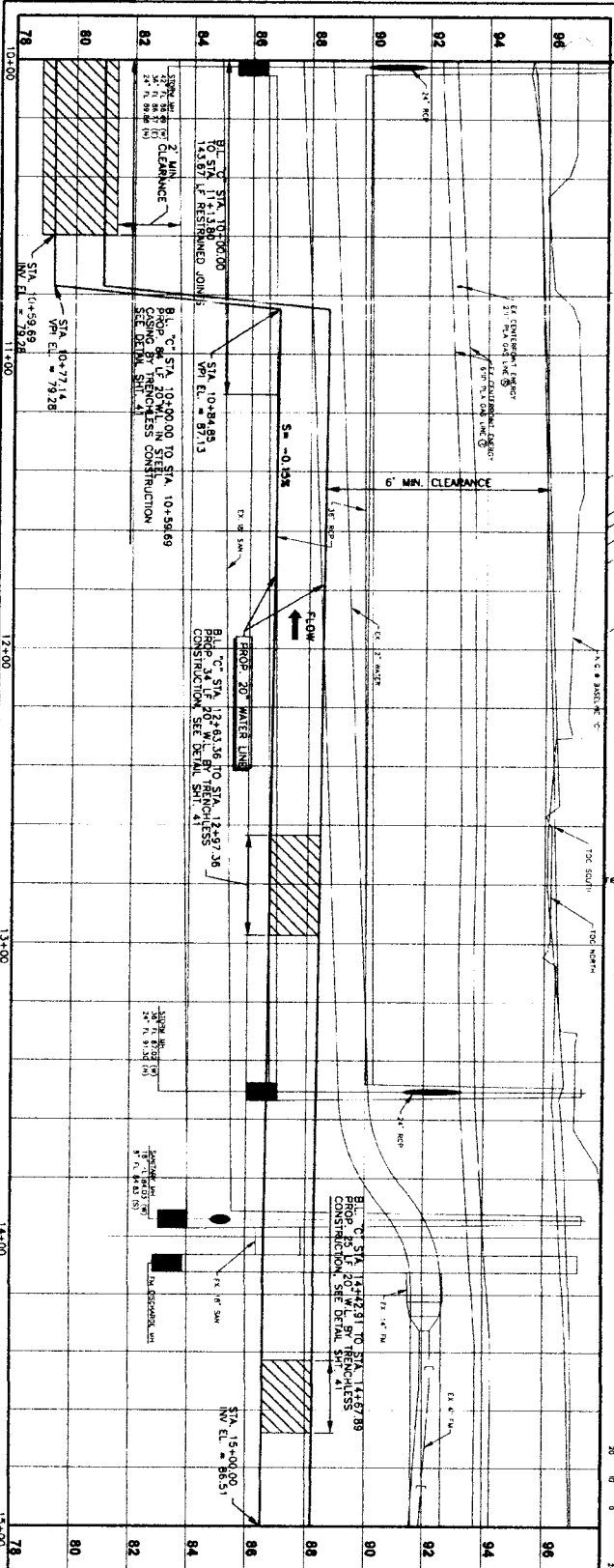


Address Long Meadow Farms, TX 77406

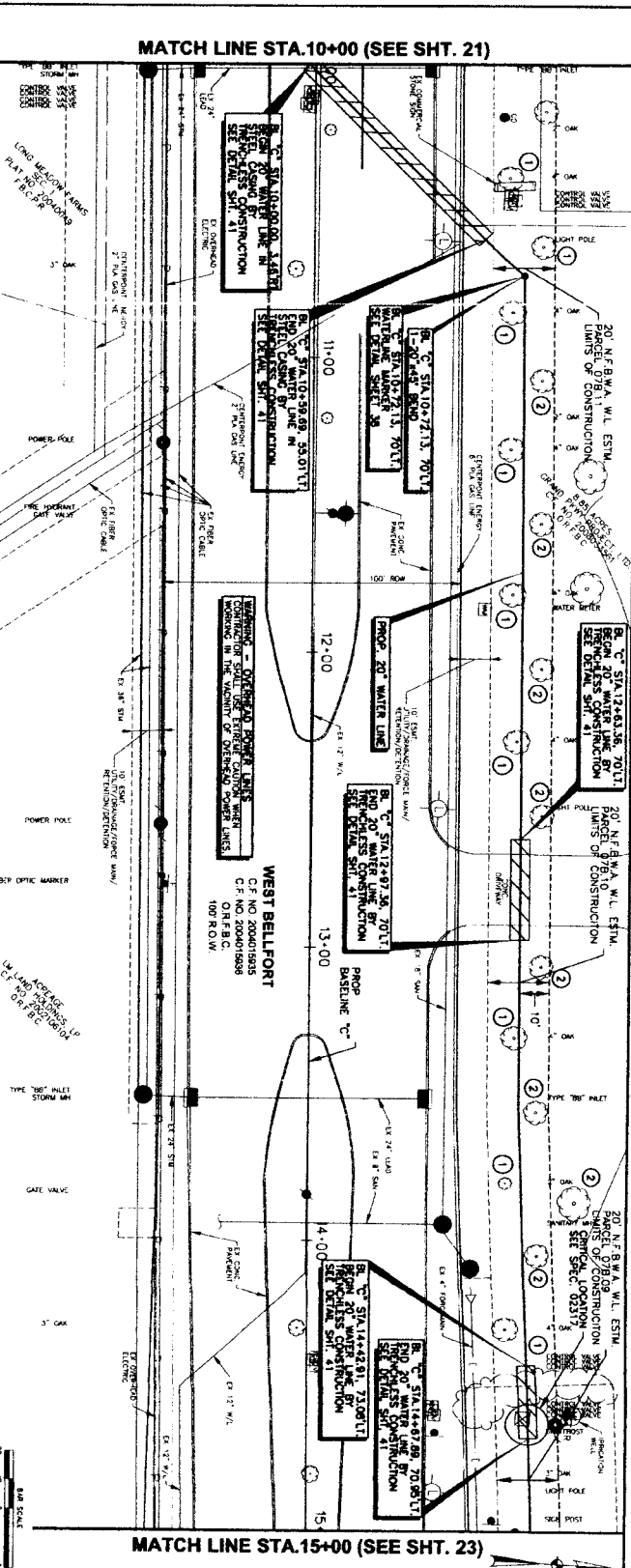
Intersection of Winston Ranch Parkway and West Belfort Street



MATCH LINE STA.10+00 (SEE SHT. 21)



MATCH LINE STA.15+00 (SEE SHT. 23)



PRIVATE UTILITY LINES SHOWN

DATE: 8-11-11

APPROVED BY: [Signature]

DATE: 8-11-11

NOTE: (SEE TO (ON PLAN))

1. USE SPACE TO REMOVE EXISTING TREE SET TO SEE MAJOR ROOT BALL IN DRAINAGE CANALS. (SEE SPEC. SECTION 02013)
2. PROTECT EXISTING TREE. (SEE SPEC. SECTION 01942)
3. EXISTING TREE SPACES ARE TO BE MAINTAINED AND NOT REMOVED UNLESS NECESSARY FOR THE PROTECTION OF THE WATER MAIN AND SPREAD GROUND WITHIN THE RIGHT OF WAY. (SEE SPEC. SECTION 02013)
4. DAMAGE TO LANDSCAPE AREA IS INCORPORATED.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

North Fort Bend

NPBWA SEGMENT 7B
PLAN AND PROFILE
BASELINE "C"
ALONG WEST BELLFORT
FROM STA. 10+00 TO STA. 15+00

Costello, Inc.
Engineering and Surveying
9900 Richmond Road, Suite 100
Houston, Texas 77036
Tel: 281-410-1100
www.costelloinc.com
REGISTERED PROFESSIONAL ENGINEER
NO. 11000

DRIVING SCALE
HORIZ: 1"=20'
VERT: 1"=4'

SHEET 22 of 84



Address **Long Meadow Farms, TX 77406**

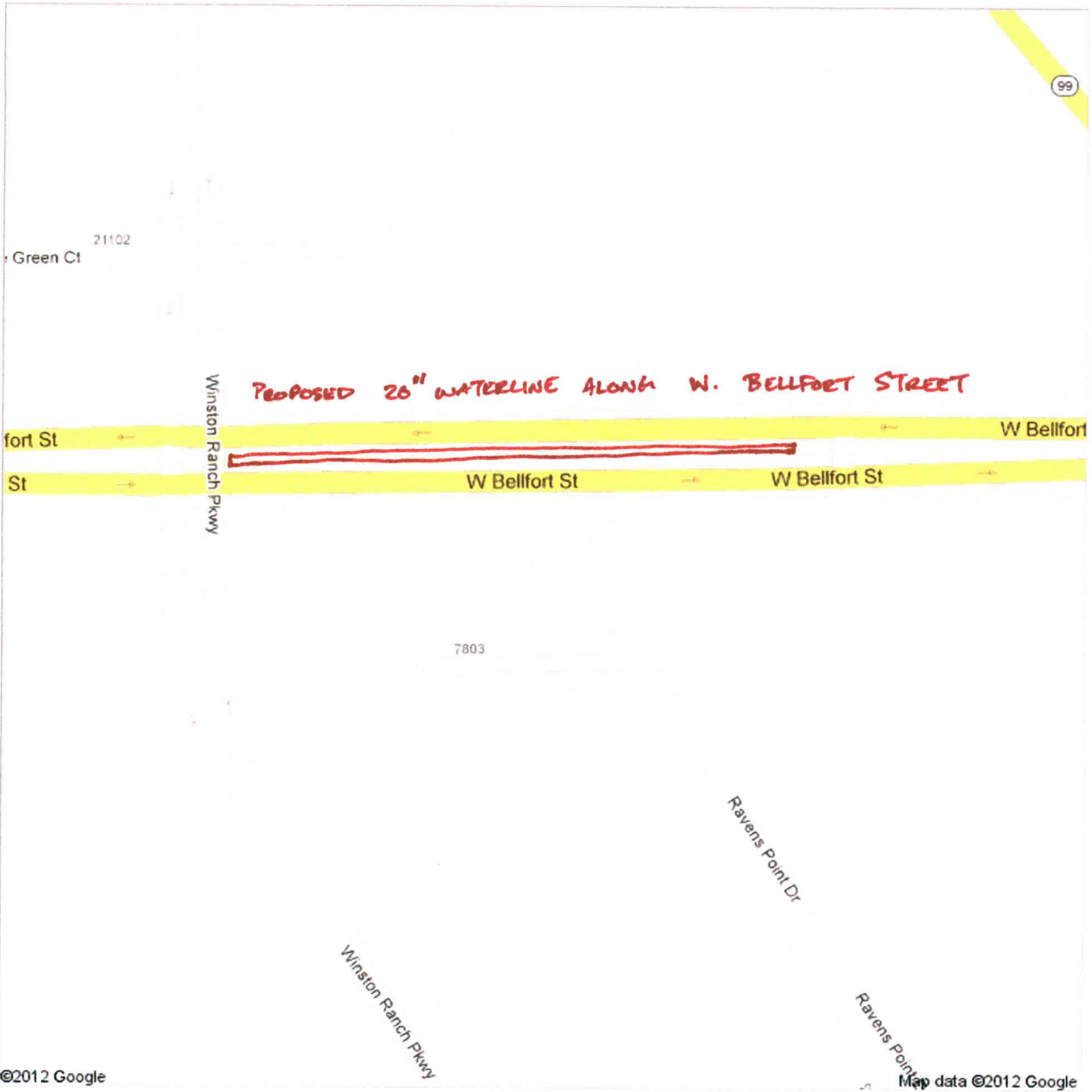
500' East of Intersection of Winston Ranch Parkway and West Belfort Street

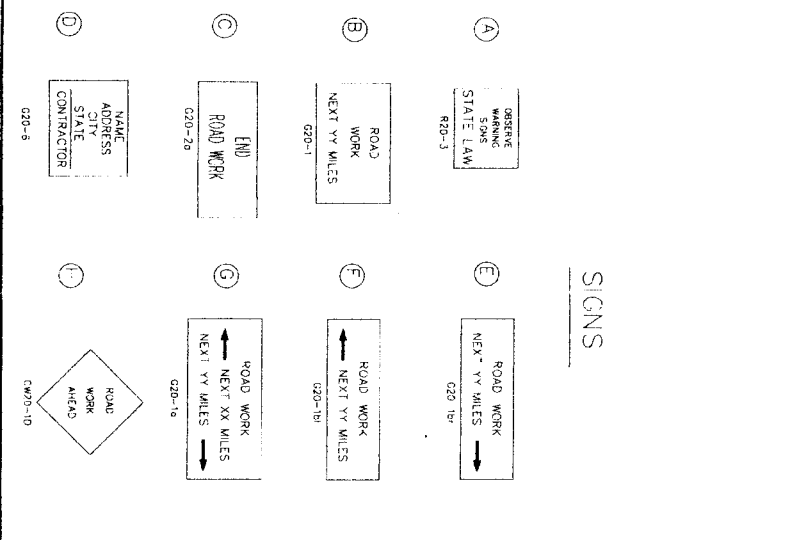
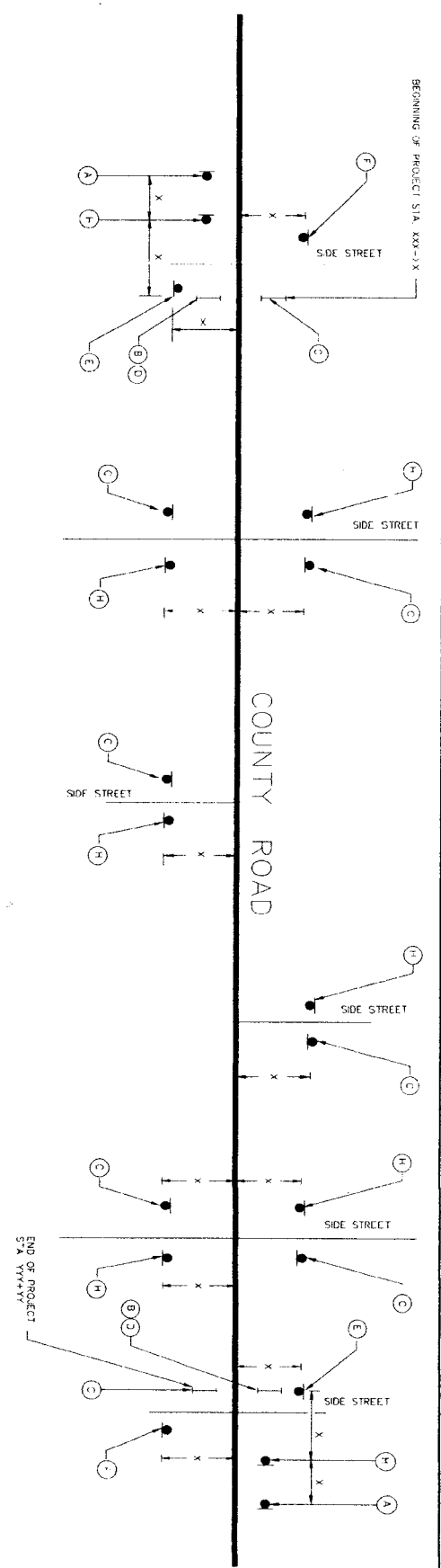




Address Long Meadow Farms, TX 77406

From Winston Ranch Parkway Traveling East Approximately 500'





SIGNS

NOTES

1. ALL ADVANCED WARNING SIGNS TO BE SET PRIOR TO START OF CONSTRUCTION ACTIVITIES AND TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETED BY THE CONTRACTOR.
2. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE HARRIS COUNTY PUBLIC INFRASTRUCTURE DEPARTMENT, ENGINEERING DIVISION IN ESTABLISHING TRAFFIC ROUTES AND LOCATION OF SIGNS.
3. LANE CLOSURES SHALL BE DONE OFF PEAK HOURS.
4. ALL SIGNS MOUNTED ON TOP OF THE SIGN.
5. MAY PAYMENT DROP-OFF SHALL NOT EXCEED 2'.
6. POLICE SHALL BE NEEDED TO CONTROL TRAFFIC AT ALL MAJOR INTERSECTIONS.
7. ALL FLASHERS SHALL BE IN RADIO CONTACT WITH EACH OTHER AT ALL TIMES.
8. ALL PAVEMENT MARKINGS COVERED BY OVERLAY SHALL BE REPLACED BEFORE OPENING TO TRAFFIC.
9. ADVANCE SIGNING SHALL BE PLACED A MINIMUM OF 100 FEET PRIOR TO THE START OF CONSTRUCTION. DELAY CONTRACTOR SHALL NOTIFY THE HARRIS COUNTY ENGINEERING DEPARTMENT AT LEAST TWO WEEKS PRIOR TO ANY CONSTRUCTION.

LEGEND

9. ALL PORTABLE SIGNING, TRAFFIC AND CONES SHALL BE REMOVED AFTER THE END OF EACH DAY.
10. AS OVERLAY IS COMPLETED ALL ORGANIZATION SHALL BE MOVED ON TO LANE LINES TO OPEN CENTER LEFT TURN LANE TO TRAFFIC.
11. IF WORK ZONE IS NEEDED OVERNIGHT ALL CONES OR TABULAR MARKERS SHALL BE REPLACED WITH DRUMS W/SPS AND TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE FOR NIGHTTIME OPERATION AS DIRECTED BY THE ENGINEER.
12. SIGN R23-3 IS REQUIRED IN ADVANCE OF PROJECT LIMITS.
13. ACCESS TO EXISTING BUSINESSES OR RESIDENCES SHALL BE MAINTAINED AT ALL TIMES.

CONSTRUCTION WARNING SIGN SPACING

Posted Speed or 85% Speed (Mph)	Distance (Feet)	Sign Spacing (Feet)
30	150	75
40	240	120
45	320	160
50	400	200
55	500	250
65	750	375

TYPICAL TRANSITION LENGTHS AND SUGGESTED MAXIMUM SPACING OF DEVICES

Minimum Distance	Sign Spacing	Suggested Maximum Spacing of Device
10'	On u	60'-75'
15'	On u	70'-90'
20'	On u	80'-100'
25'	On u	90'-110'
30'	On u	100'-120'
35'	On u	110'-140'
40'	On u	120'-150'
45'	On u	130'-160'
50'	On u	140'-175'
55'	On u	150'-190'
60'	On u	160'-210'
65'	On u	170'-225'

NOTE: CITY SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THESE NOTES.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
TRAFFIC CONTROL DIVISION

PROJECT NO. _____
DRAWING NO. _____
DATE: _____

SCALE: _____

SHEET NO. 81 OF 84

NORTH FORT BEND

TRAFFIC CONTROL GUIDELINES (SHEET 3 OF 3)

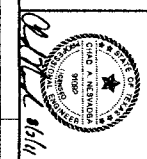
NFBWA SEGMENT 7B

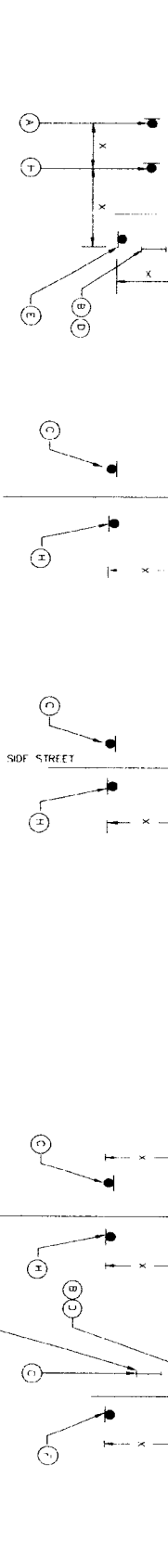
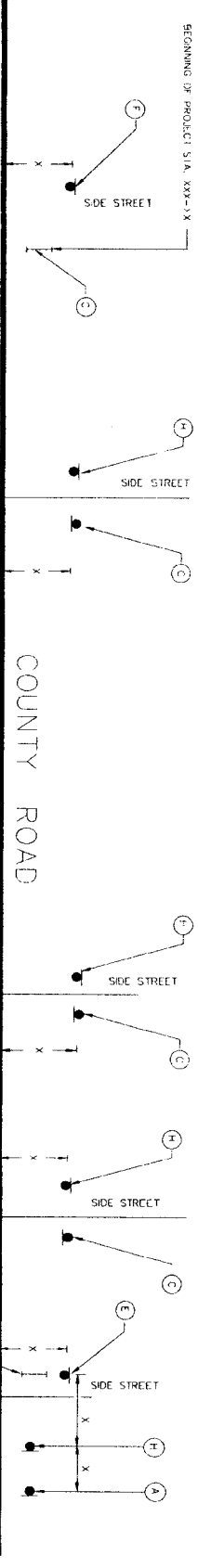
Coshiba, Inc.
Engineering and Surveying
1713 West Loop West, Suite 1000
Houston, Texas 77056
Tel: 713.867.7777 Fax: 713.867.7778

DATE: _____

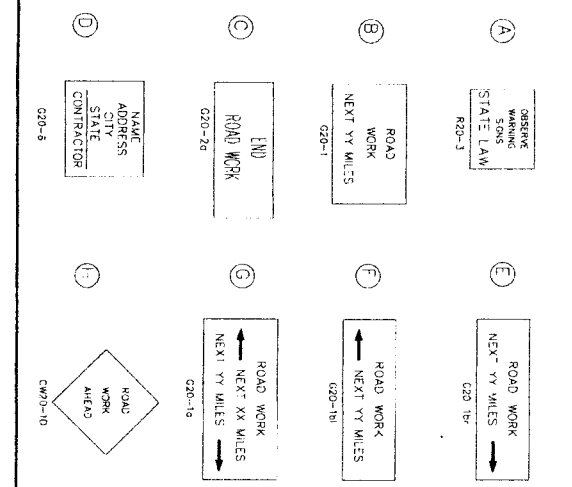
REVISION: _____

DATE: _____





SIGNS



NOTES

1. ALL ADVANCED WARNING SIGNS TO BE SET PRIOR TO START OF CONSTRUCTION ACTIVITIES AND TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETED AND ROADWAY IS OPEN TO TRAFFIC.
2. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE TEXAS COUNTY PUBLIC INFRASTRUCTURE DEPARTMENT, ENGINEERING DIVISION IN ESTABLISHING TRAFFIC ROUTES AND LOCATION OF SIGNS.
3. LANE CLOSURES SHALL BE DURING OFF PEAK HOURS.
4. ALL SIGNS (MARKED 'X') SHALL HAVE WARNING FLASCS MOUNTED ON TOP OF THE SIGN.
5. MAX. SPACING BETWEEN SIGNS SHALL NOT EXCEED 200 FEET.
6. POLICE SHALL BE NEEDED TO CONTROL TRAFFIC AT ALL MAJOR INTERSECTIONS.
7. ALL FLAGGERS SHALL BE IN RADIO CONTACT WITH EACH OTHER AT ALL TIMES.
8. ALL PAVEMENT MARKINGS COVERED BY OVERLAY SHALL BE REPLACED BEFORE OPENING TO TRAFFIC.
9. ADVANCE SIGNING SHALL BE PLACED A MINIMUM OF 1000 FEET PRIOR TO THE START OF CONSTRUCTION.
10. DELAY CONSTRUCTION SHALL NOTIFY THE MAJOR COUNTY ENGINEERING DEPARTMENT AT LEAST TWO WEEKS PRIOR TO ANY CONSTRUCTION.
11. IF WORK ZONE IS NEEDED OVERNIGHT, ALL CONES OR TUBULAR MARKERS SHALL BE REPLACED WITH MARKINGS W/ANS AND TEMPORARY PAVEMENT OPERATIONS AS DIRECTED BY THE ENGINEER.
12. SIGN R20-3 IS REQUIRED IN ADVANCE OF PROJECT LIMITS.
13. ACCESS TO EXISTING BUSINESSES OR RESIDENCES SHALL BE MAINTAINED AT ALL TIMES.
14. ALL PORTABLE SIGNING, DRUMS AND CONES SHALL BE RELOCATED PRIOR TO THE END OF EACH DAY.
15. AS OVERLAY IS COMPLETED AND CHANNELIZATION SHALL BE MOVED ON TO LANE LINES TO OPEN CENTER LEFT TURN LANE TO TRAFFIC.
16. IF WORK ZONE IS NEEDED OVERNIGHT, ALL CONES OR TUBULAR MARKERS SHALL BE REPLACED WITH MARKINGS W/ANS AND TEMPORARY PAVEMENT OPERATIONS AS DIRECTED BY THE ENGINEER.
17. SIGN R20-3 IS REQUIRED IN ADVANCE OF PROJECT LIMITS.
18. ACCESS TO EXISTING BUSINESSES OR RESIDENCES SHALL BE MAINTAINED AT ALL TIMES.

LEGEND

- ZZZZ CONSTRUCTION AREA
- OPEN TO TRAFFIC
- HEAVY WORK VEHICLE
- ◇ FLASHING ARROW BOARD (OPTIONAL)
- SIGN POST
- TUBULAR MARKERS CONES OR DRUMS
- △ FLAGGER
- X = SIGN SPACING
- L = TAPER LENGTH
- YY = DISTANCE TO BE DETERMINED BY ENGINEER

TYPICAL TRANSITION LENGTHS AND SUGGESTED MAXIMUM SPACING OF DEVICES

Minimum Distance (ft)	Maximum Spacing (ft)	On a Taper	On a Taper
100	100	30	60-75
150	150	30	70-90
200	225	35	70-90
250	295	40	80-100
300	365	45	90-110
350	435	50	100-125
400	505	55	110-140
450	575	60	120-150
500	645	65	130-160
550	715	70	140-175
600	785	75	150-190
650	855	80	160-200
700	925	85	170-210
750	995	90	180-220
800	1065	95	190-230
850	1135	100	200-240
900	1205	105	210-250
950	1275	110	220-260
1000	1345	115	230-270
1050	1415	120	240-280
1100	1485	125	250-290
1150	1555	130	260-300
1200	1625	135	270-310
1250	1695	140	280-320
1300	1765	145	290-330
1350	1835	150	300-340
1400	1905	155	310-350
1450	1975	160	320-360
1500	2045	165	330-370
1550	2115	170	340-380
1600	2185	175	350-390
1650	2255	180	360-400
1700	2325	185	370-410
1750	2395	190	380-420
1800	2465	195	390-430
1850	2535	200	400-440
1900	2605	205	410-450
1950	2675	210	420-460
2000	2745	215	430-470
2050	2815	220	440-480
2100	2885	225	450-490
2150	2955	230	460-500
2200	3025	235	470-510
2250	3095	240	480-520
2300	3165	245	490-530
2350	3235	250	500-540
2400	3305	255	510-550
2450	3375	260	520-560
2500	3445	265	530-570
2550	3515	270	540-580
2600	3585	275	550-590
2650	3655	280	560-600
2700	3725	285	570-610
2750	3795	290	580-620
2800	3865	295	590-630
2850	3935	300	600-640
2900	4005	305	610-650
2950	4075	310	620-660
3000	4145	315	630-670
3050	4215	320	640-680
3100	4285	325	650-690
3150	4355	330	660-700
3200	4425	335	670-710
3250	4495	340	680-720
3300	4565	345	690-730
3350	4635	350	700-740
3400	4705	355	710-750
3450	4775	360	720-760
3500	4845	365	730-770
3550	4915	370	740-780
3600	4985	375	750-790
3650	5055	380	760-800
3700	5125	385	770-810
3750	5195	390	780-820
3800	5265	395	790-830
3850	5335	400	800-840
3900	5405	405	810-850
3950	5475	410	820-860
4000	5545	415	830-870
4050	5615	420	840-880
4100	5685	425	850-890
4150	5755	430	860-900
4200	5825	435	870-910
4250	5895	440	880-920
4300	5965	445	890-930
4350	6035	450	900-940
4400	6105	455	910-950
4450	6175	460	920-960
4500	6245	465	930-970
4550	6315	470	940-980
4600	6385	475	950-990
4650	6455	480	960-1000
4700	6525	485	970-1010
4750	6595	490	980-1020
4800	6665	495	990-1030
4850	6735	500	1000-1040
4900	6805	505	1010-1050
4950	6875	510	1020-1060
5000	6945	515	1030-1070
5050	7015	520	1040-1080
5100	7085	525	1050-1090
5150	7155	530	1060-1100
5200	7225	535	1070-1110
5250	7295	540	1080-1120
5300	7365	545	1090-1130
5350	7435	550	1100-1140
5400	7505	555	1110-1150
5450	7575	560	1120-1160
5500	7645	565	1130-1170
5550	7715	570	1140-1180
5600	7785	575	1150-1190
5650	7855	580	1160-1200
5700	7925	585	1170-1210
5750	7995	590	1180-1220
5800	8065	595	1190-1230
5850	8135	600	1200-1240
5900	8205	605	1210-1250
5950	8275	610	1220-1260
6000	8345	615	1230-1270
6050	8415	620	1240-1280
6100	8485	625	1250-1290
6150	8555	630	1260-1300
6200	8625	635	1270-1310
6250	8695	640	1280-1320
6300	8765	645	1290-1330
6350	8835	650	1300-1340
6400	8905	655	1310-1350
6450	8975	660	1320-1360
6500	9045	665	1330-1370
6550	9115	670	1340-1380
6600	9185	675	1350-1390
6650	9255	680	1360-1400
6700	9325	685	1370-1410
6750	9395	690	1380-1420
6800	9465	695	1390-1430
6850	9535	700	1400-1440
6900	9605	705	1410-1450
6950	9675	710	1420-1460
7000	9745	715	1430-1470
7050	9815	720	1440-1480
7100	9885	725	1450-1490
7150	9955	730	1460-1500
7200	10025	735	1470-1510
7250	10095	740	1480-1520
7300	10165	745	1490-1530
7350	10235	750	1500-1540
7400	10305	755	1510-1550
7450	10375	760	1520-1560
7500	10445	765	1530-1570
7550	10515	770	1540-1580
7600	10585	775	1550-1590
7650	10655	780	1560-1600
7700	10725	785	1570-1610
7750	10795	790	1580-1620
7800	10865	795	1590-1630
7850	10935	800	1600-1640
7900	11005	805	1610-1650
7950	11075	810	1620-1660
8000	11145	815	1630-1670
8050	11215	820	1640-1680
8100	11285	825	1650-1690
8150	11355	830	1660-1700
8200	11425	835	1670-1710
8250	11495	840	1680-1720
8300	11565	845	1690-1730
8350	11635	850	1700-1740
8400	11705	855	1710-1750
8450	11775	860	1720-1760
8500	11845	865	1730-1770
8550	11915	870	1740-1780
8600	11985	875	1750-1790
8650	12055	880	1760-1800
8700	12125	885	1770-1810
8750	12195	890	1780-1820
8800	12265	895	1790-1830
8850	12335	900	1800-1840
8900	12405	905	1810-1850
8950	12475	910	1820-1860
9000	12545	915	1830-1870
9050	12615	920	1840-1880
9100	12685	925	1850-1890
9150	12755	930	1860-1900
9200	12825	935	1870-1910
9250	12895	940	1880-1920
9300	12965	945	1890-1930
9350	13035	950	1900-1940
9400	13105	955	1910-1950
9450	13175	960	1920-1960
9500	13245	965	1930-1970
9550	13315	970	1940-1980
9600	13385	975	1950-1990
9650	13455	980	1960-2000
9700	13525	985	1970-2010
9750	13595	990	1980-2020
9800	13665	995	1990-2030
9850	13735	1000	2000-2040
9900	13805	1005	2010-2050
9950	13875	1010	2020-2060
10000	13945	1015	2030-2070

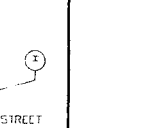
* Sign Spacing Table may be used on roads where traffic speeds normally exceed 40 mph. The posted speed may be used on roads where traffic speeds normally exceed 40 mph. The posted speed may be used on roads where traffic speeds normally exceed 40 mph. The posted speed may be used on roads where traffic speeds normally exceed 40 mph.

DATE: 08/11/11

PROJECT: NFBWA SEGMENT 7B

CONTRACT NO: 000000

SHEET NO: 81 OF 84



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 08/11/11

PROJECT: NFBWA SEGMENT 7B

CONTRACT NO: 000000

SHEET NO: 81 OF 84

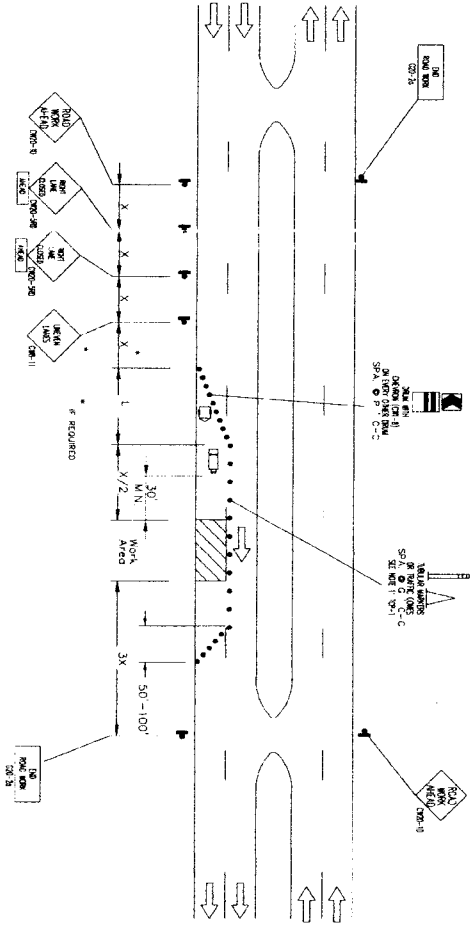
TRAFFIC CONTROL GUIDELINES (SHEET 3 OF 3)

NFBWA SEGMENT 7B

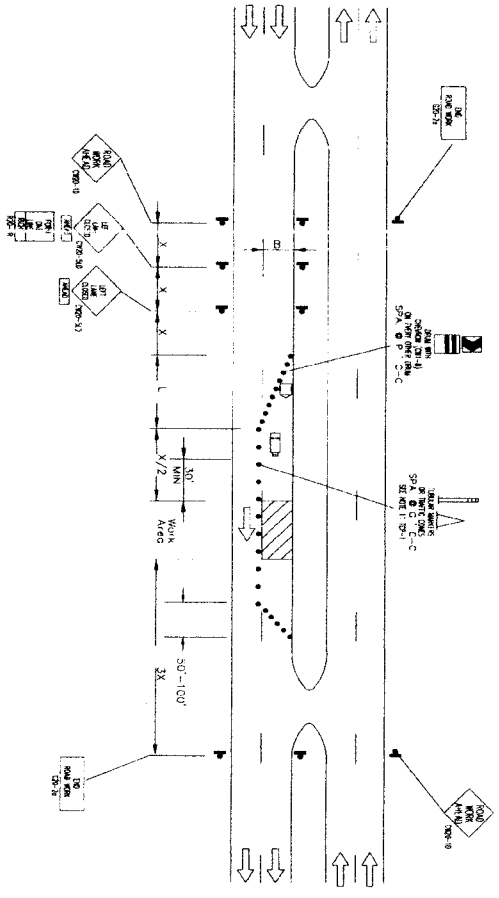
Cobello, Inc.

1713 West Loop West, Suite 400
Houston, Texas 77027
Tel: (713) 281-7700 Fax: (713) 281-7700
www.cobello.com

ONE LANE CLOSURE (4 LANE BOULEVARD ROAD)



INSIDE LANE CLOSURE (4 LANE BOULEVARD)



LEGEND

- ▨ CONSTRUCTION AREA
- ▭ OPEN TO TRAFFIC
- ▭ HEAVY WORK VEHICLE
- ◊ FLASHING ARROW BOARD (OPTIONAL)
- SIGN POST
- TUBULAR MARKERS, CONES OR DRUMS
- FLASHER
- X • SIGN SPACING
- L • TAPER LENGTH

CONSTRUCTION WARNING SIGN SPACING

Posted Speed (MPH)	Min. X	Max. X	Distance (ft)
30 or less	20	100	150
40	20	100	150
45	20	100	150
50	20	100	150
55	20	100	150
65	20	100	150

TYPICAL TRANSITION LENGTHS AND SUGGESTED MAXIMUM SPACING OF DEVICES

Minimum Speed Limit (MPH)	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)
30	150'	165'	180'	30'	60'-75'	On a Tangent	On a Curve	On a Curve
35	205'	220'	245'	35'	70'-90'	On a Tangent	On a Curve	On a Curve
40	265'	280'	300'	40'	80'-100'	On a Tangent	On a Curve	On a Curve
45	325'	340'	360'	45'	90'-110'	On a Tangent	On a Curve	On a Curve
50	385'	400'	420'	50'	100'-120'	On a Tangent	On a Curve	On a Curve
55	445'	460'	480'	55'	110'-140'	On a Tangent	On a Curve	On a Curve
60	505'	520'	540'	60'	120'-150'	On a Tangent	On a Curve	On a Curve
65	565'	580'	600'	65'	130'-175'	On a Tangent	On a Curve	On a Curve

NOTE: Minimum Speed Limit may be based on roads where traffic speeds are 10 mph higher than posted.

TRAFFIC CONTROL GUIDELINES (SHEET 2 OF 3)

NFBWA SEGMENT 7B

Costello, Inc.

Engineering and Surveying
6600 Richmond Avenue, Suite 440
Houston, Texas 77056
Telephone: (713) 780-7000
FAX: (713) 780-7001
TELETYPE: (713) 780-7002

DATE	NO.	DESCRIPTION
	1	
	2	
	3	

NOTE: CITY OF HOUSTON WILL REVIEW ONE COPY AFTER DATE OF SCHEDULED BIDDING.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PROJECT: TP-581-BEFA06

DATE: 08/11/06

SCALE: AS SHOWN

DRAWING NO.: NFBWA SEGMENT 7B

DRAWING SCALE: AS SHOWN

DATE: 08/11/06

SCALE: AS SHOWN

DATE: 08/11/06

SCALE: AS SHOWN

DATE: 08/11/06

SCALE: AS SHOWN