

REVISION: 8/26/10 - WAYNE HAYS
H:\Projects\Rockwall\2007131\00 Cover Sheet.dwg
PLOT SCALE: 1:2
PLOT STYLE: 11x17.ctb
PLOTTED BY: WAYNE HAYS ON 8/27/2010

CITY OF ROCKWALL, TEXAS

CONSTRUCTION PLANS FOR 700 SERVICE AREA WATER LINE IMPROVEMENTS

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BY PAC DATE 8/27/10

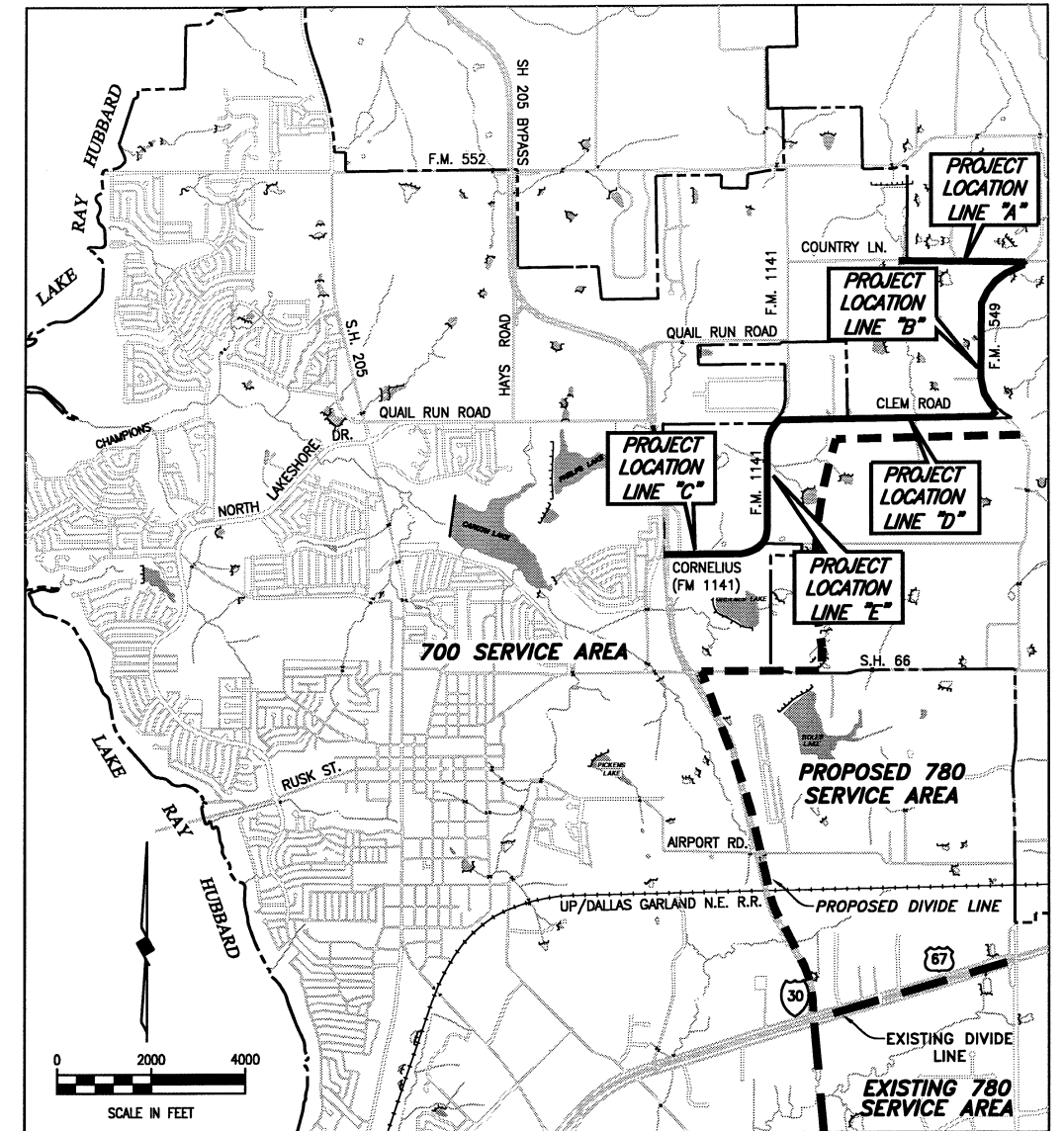


BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

March, 2009



[Handwritten Signature]
3/4/09



SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
--	COVER SHEET AND LOCATION MAP
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17-22	LINE "C" PLAN & PROFILE SHEETS STA. 0+00 TO 24+72
23-32	LINE "D" PLAN & PROFILE SHEETS STA. 0+00 TO 46+61
33-38	LINE "E" PLAN & PROFILE SHEETS STA. 0+00 TO 26+72.27
39	NOTES & DETAILS

COUNCIL MEMBERS

BILL CECIL, MAYOR
CLIFF SEVIER, MAYOR PRO-TEM
DAVID SWEET
MATT SCOTT
GLEN FARRIS
MARK RUSSO
MARGO NIELSEN

CITY MANAGER

JULIE COUCH

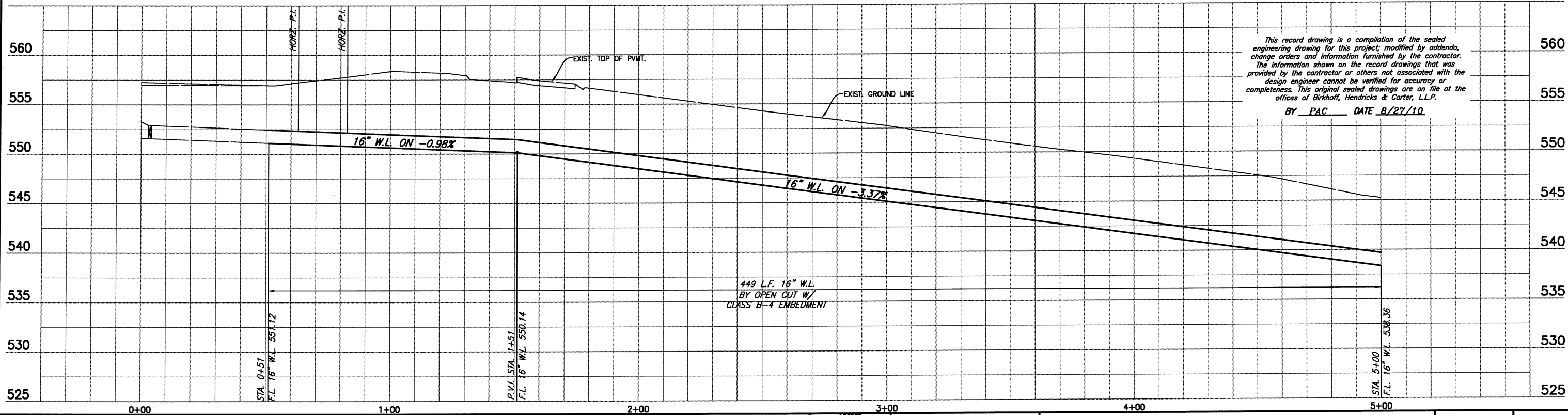
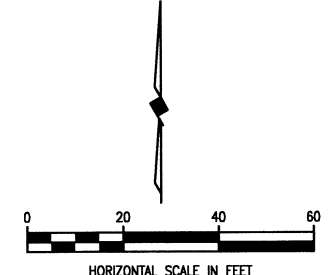
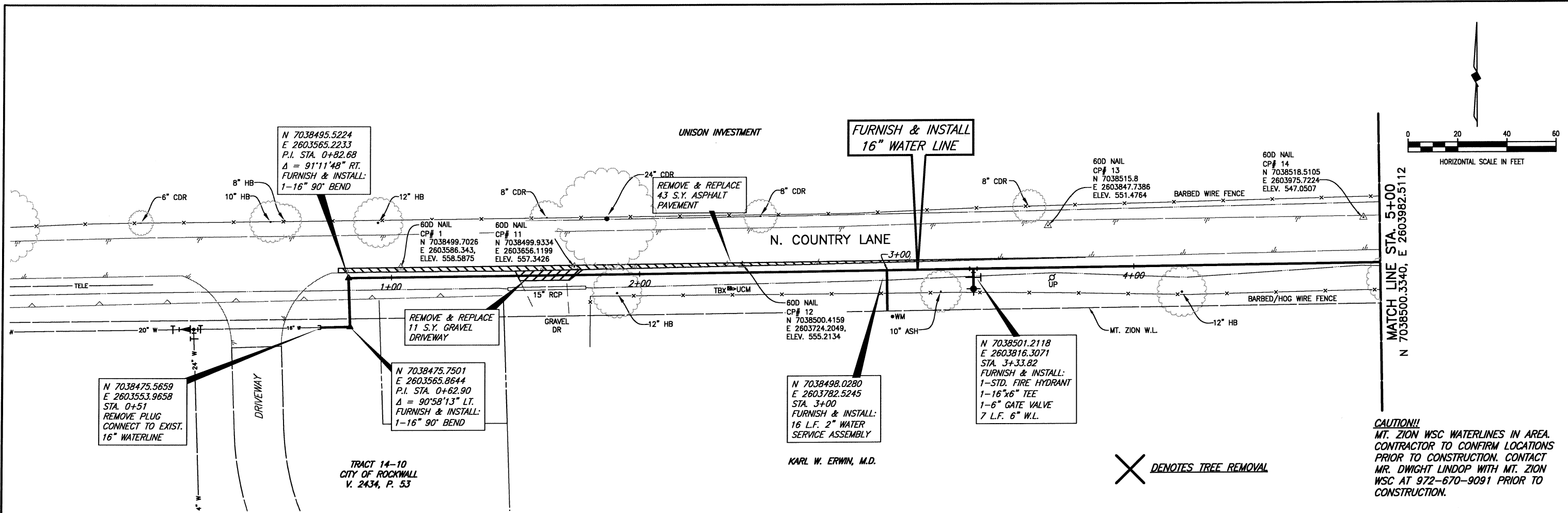
ASSISTANT CITY MANAGER

RICHARD CROWLEY

CITY ENGINEER

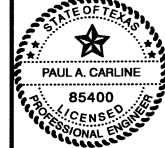
CHUCK TODD, P.E.

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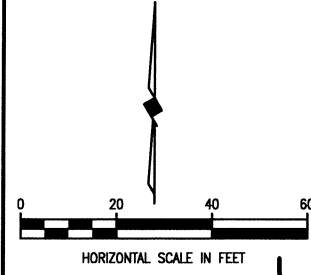
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 CONSULTING ENGINEERS
 11910 Greenville Ave., Suite 600
 Dallas, Texas
 (214) 361-7900



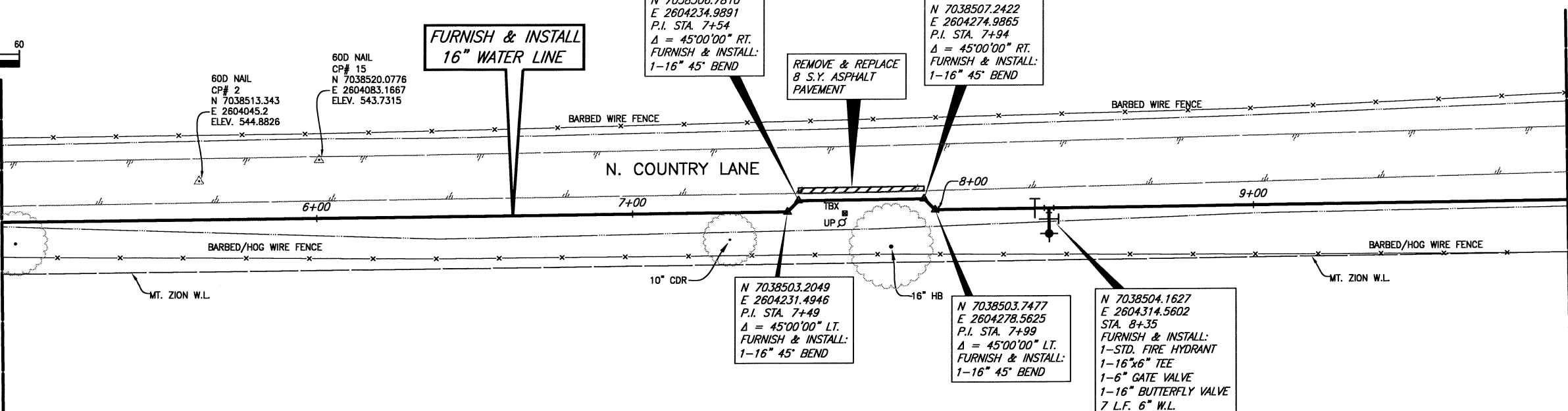
[Signature]
 3/17/09

CITY OF ROCKWALL
 N. COUNTRY LANE 16" WATER LINE
 LINE "A" PLAN & PROFILE SHEET
 STATION 0+00 TO 5+00

BHC PROJECT NO. 2007-131	SHEET NO. 1
March, 2009	



MATCH LINE STA. 5+00
N 7038500.3340, E 2603982.5112



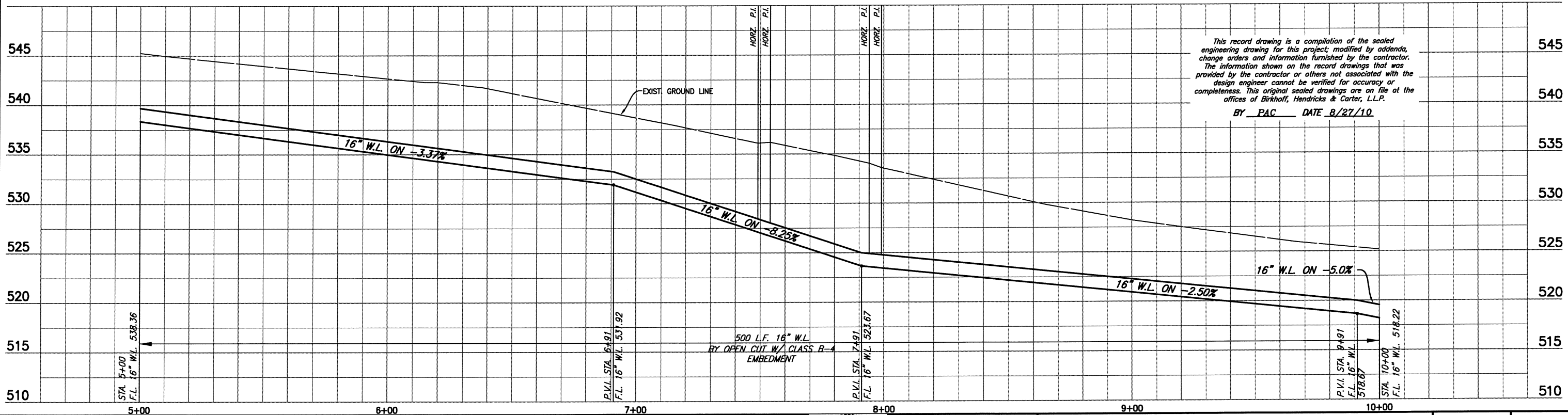
MATCH LINE STA. 10+00
N 7038506.0652, E 2604479.5492

KARL W. ERWIN, M.D.

X DENOTES TREE REMOVAL

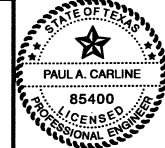
CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.

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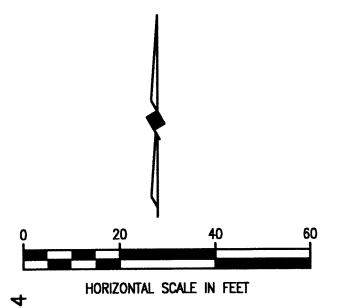
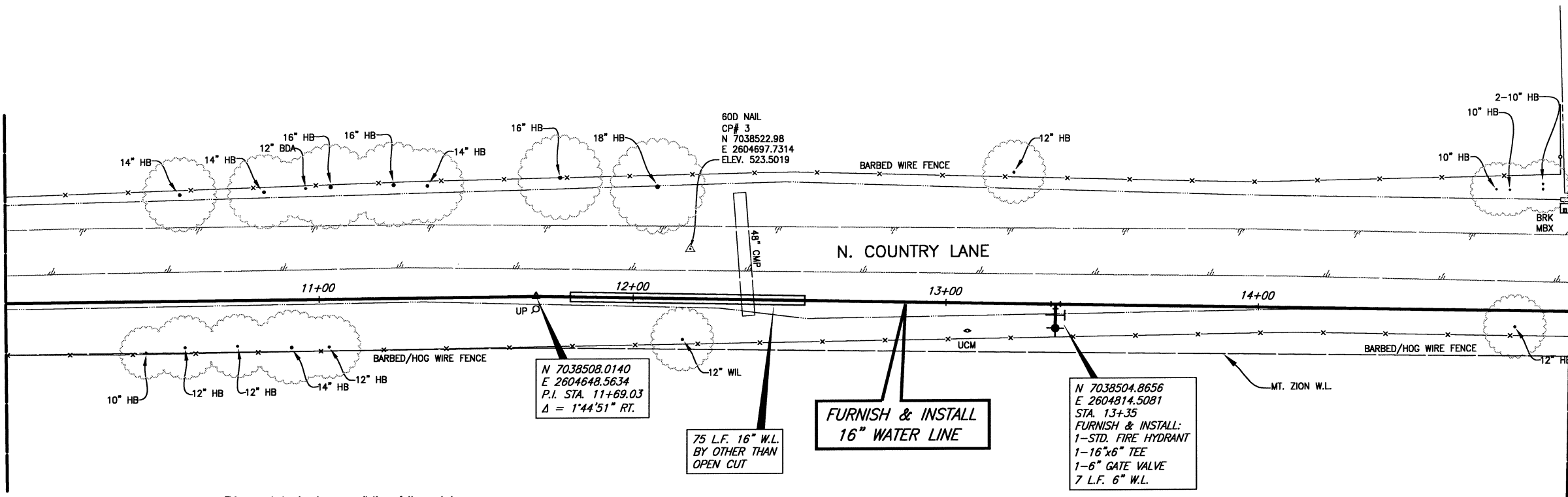


[Signature]
3/17/09

CITY OF ROCKWALL
N. COUNTRY LANE 16" WATER LINE
LINE "A" PLAN & PROFILE SHEET
STATION 5+00 TO 10+00

BHC
PROJECT NO.
2007-131
SHEET NO.
2
March, 2009

N 7038506.0652, E 2604479.5492
MATCH LINE STA. 10+00



MATCH LINE STA. 15+00
N 7038501.7358, E 2604979.4784

N 7038508.0140
E 2604648.5634
P.I. STA. 11+69.03
 $\Delta = 1'44"51" RT.$

75 L.F. 16" W.L.
BY OTHER THAN
OPEN CUT

FURNISH & INSTALL
16" WATER LINE

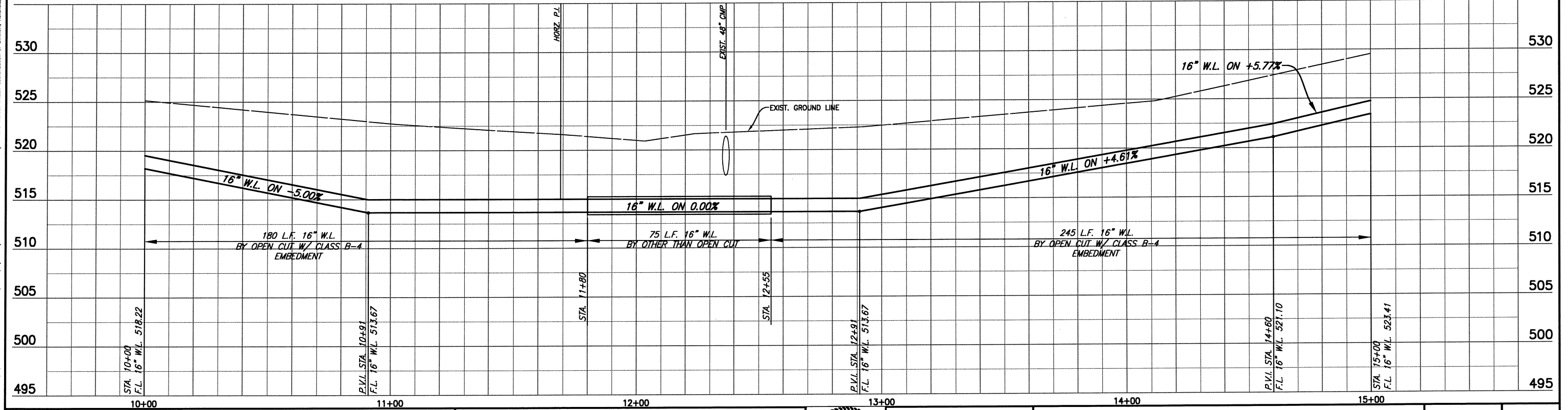
N 7038504.8656
E 2604814.5081
STA. 13+35
FURNISH & INSTALL:
1-STD. FIRE HYDRANT
1-16"x6" TEE
1-6" GATE VALVE
7 L.F. 6" W.L.

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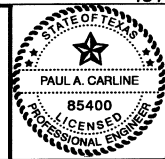
KARL W. ERWIN, M.D.

X DENOTES TREE REMOVAL

CAUTION!!
MT. ZION WSC WATERLINES IN AREA. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO CONSTRUCTION. CONTACT MR. DWIGHT LINDOP WITH MT. ZION WSC AT 972-670-9091 PRIOR TO CONSTRUCTION.



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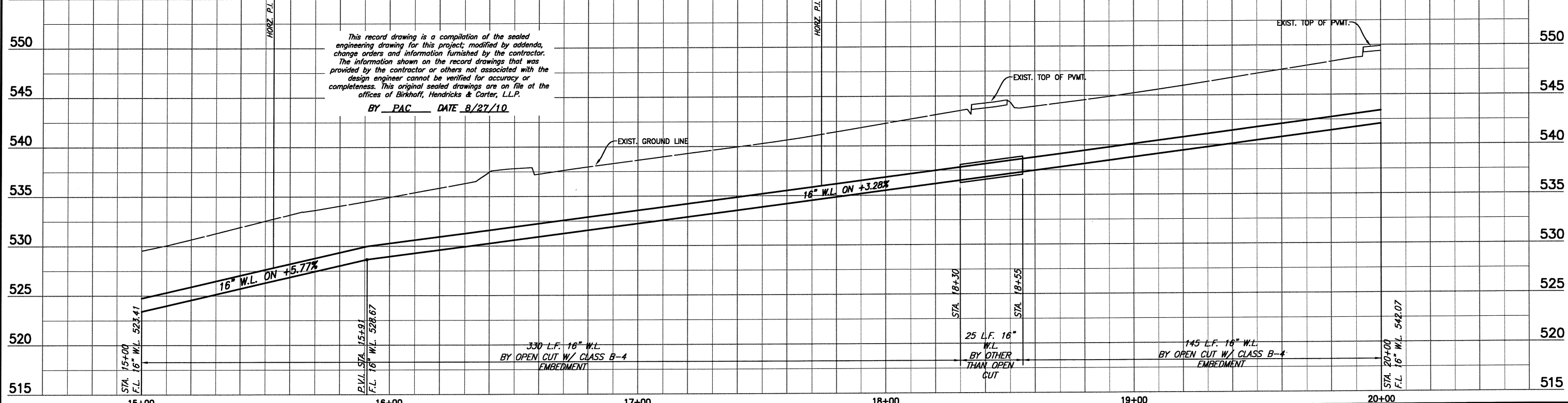
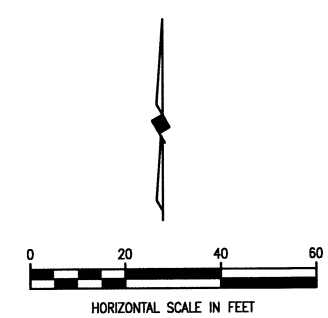
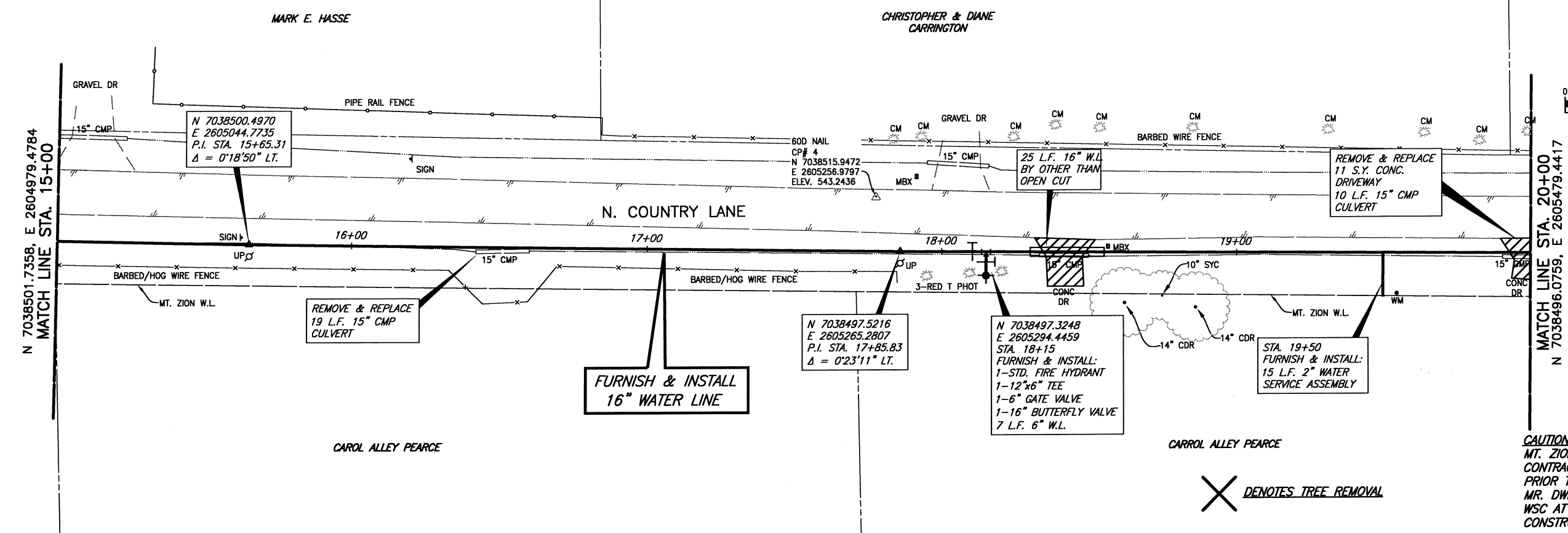
[Signature]
3/17/09

CITY OF ROCKWALL
N. COUNTRY LANE 16" WATER LINE
LINE "A" PLAN & PROFILE SHEET
STATION 10+00 TO 15+00

BHC
PROJECT NO.
2007-131
SHEET NO.
3
March, 2009

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 BY PAC DATE 8/27/10

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X DENOTES TREE REMOVAL

BIRKHOFF, HENDRICKS & CONWAY, L.L.P. CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900			CITY OF ROCKWALL N. COUNTRY LANE 16" WATER LINE LINE "A" PLAN & PROFILE SHEET STATION 15+00 TO 20+00	BHC PROJECT NO. 2007-131 March, 2009	SHEET NO. 4
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N 7038496.0759, E 2605479.4417
MATCH LINE STA. 20+00

CHRISTOPHER & DIANE
CARRINGTON

MARK & NANCY ROBINSON

NORTH CREST CR.

JAMES W. ZAKEM

REMOVE & REPLACE
12 S.Y. CONCRETE
DRIVEWAY
11' L.F. 15" CMP
CULVERT

N 7038495.7386
E 2605529.4148
P.I. STA. 20+49.97
 $\Delta = 0'16'51" RT.$

60D NAIL
CP# 272
N 7038524.8583
E 2605676.5788
ELEV. 556.0382

REMOVE & REPLACE
11 S.Y. ASPHALT
PAVEMENT

REMOVE & REPLACE
70 S.Y. GRAVEL DRIVEWAY
37 L.F. 18" RCP
CULVERT

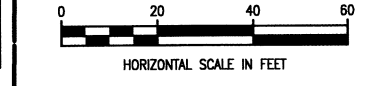
PK NAIL
CP# 5
N 7038499.4715
E 2605814.8442
ELEV. 561.152

N 7038491.4279
E 2605899.3453
P.I. STA. 24+19.93
 $\Delta = 0'12'44" LT.$

FURNISH & INSTALL
16" WATER LINE

N 7038492.3010
E 2605824.4205
STA. 23+45
FURNISH & INSTALL:
1-STD. FIRE HYDRANT
1-16"x6" TEE
1-6" GATE VALVE
4 L.F. 6" W.L.

WARNING
GAS LINE
NOTIFY GAS COMPANY
72 HOURS PRIOR TO
EXCAVATION IN VICINITY
OF STA. 23+67



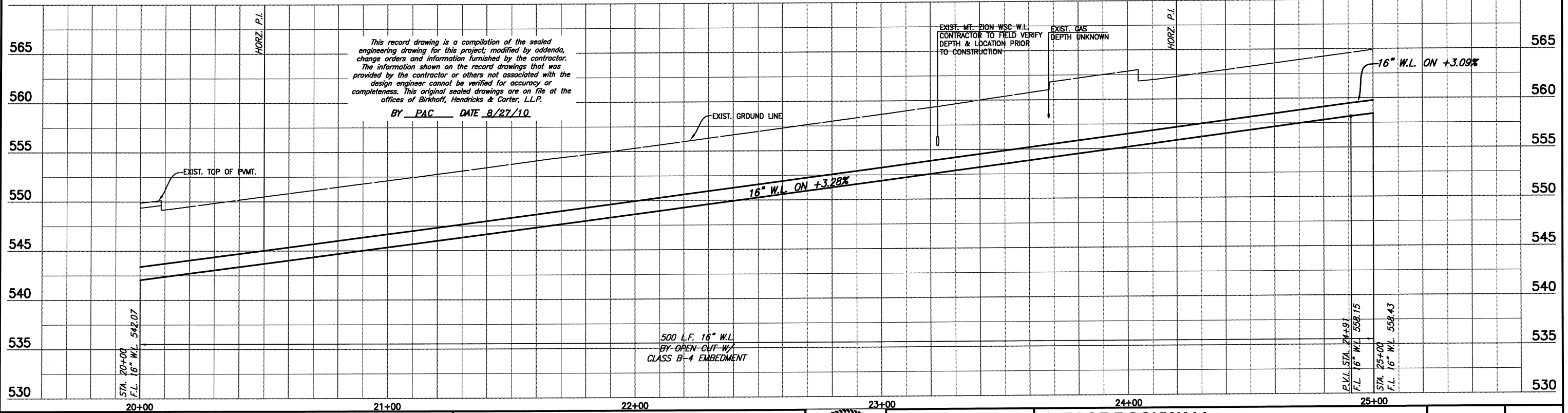
MATCH LINE STA. 25+00
N 7038490.7914, E 2605979.4129

CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.

CARROL ALLEY PEARCE

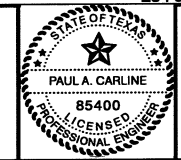
JOHN RICHARD DUMFORD

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BY PAC DATE 8/27/10



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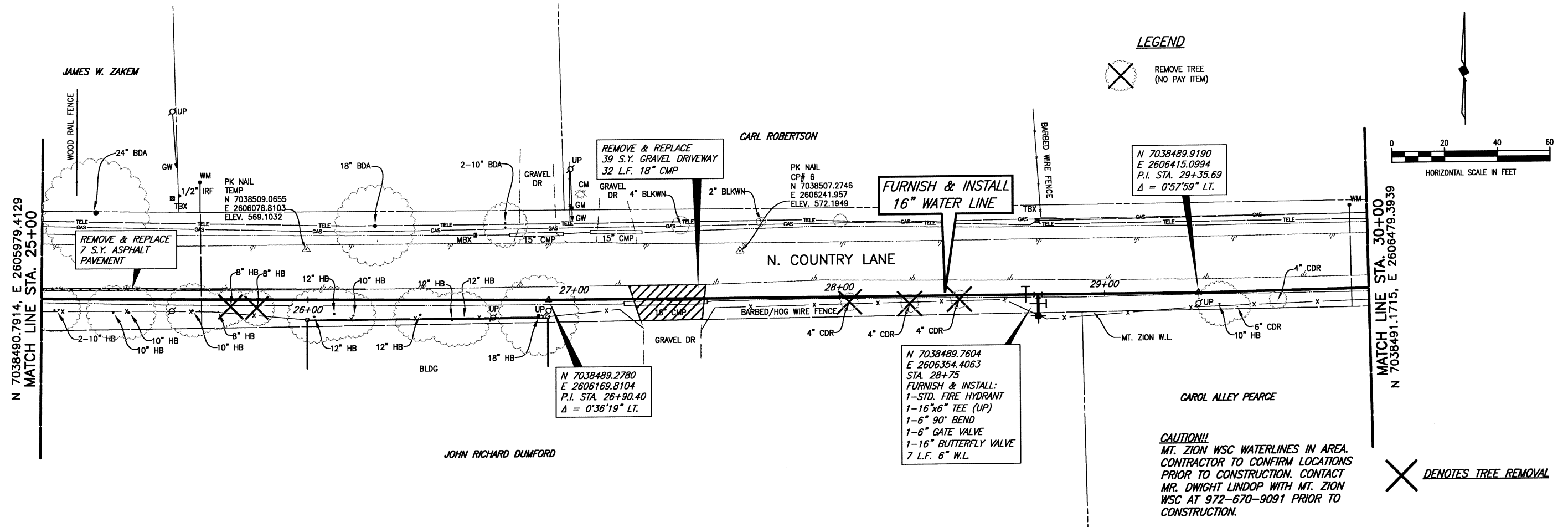


[Signature]
3/17/10

CITY OF ROCKWALL
N. COUNTRY LANE 16" WATER LINE
LINE "A" PLAN & PROFILE SHEET
STATION 20+00 TO 25+00

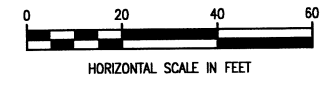
BHC
PROJECT NO.
2007-131
March, 2009

SHEET NO.
5



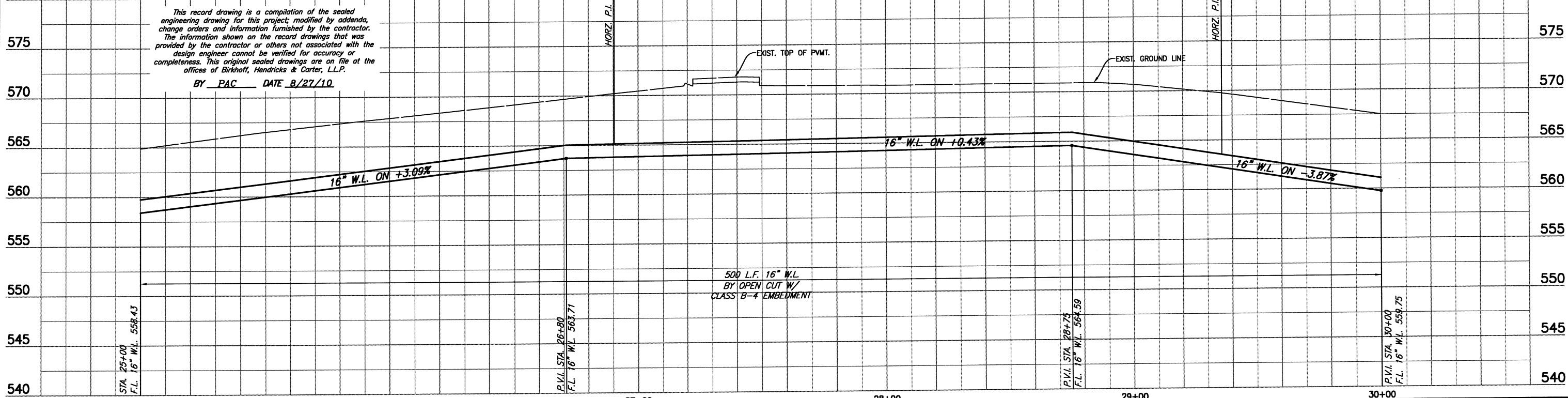
LEGEND

⊗ REMOVE TREE (NO PAY ITEM)

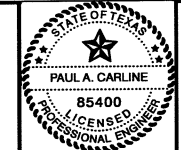


⊗ DENOTES TREE REMOVAL

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Paula A. Carline
 3/17/09

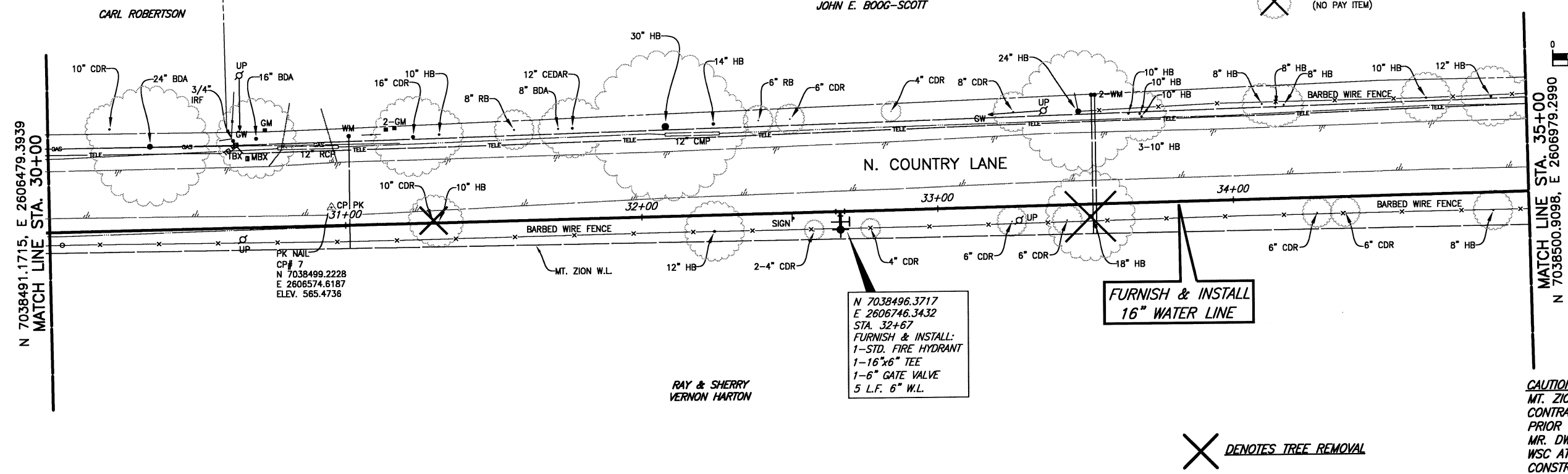
CITY OF ROCKWALL
 N. COUNTRY LANE 16" WATER LINE
 LINE "A" PLAN & PROFILE SHEET
 STATION 25+00 TO 30+00

BHC
 PROJECT NO.
 2007-131
 March, 2009

SHEET NO.
6

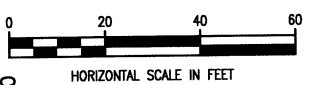
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LEGEND

REMOVE TREE (NO PAY ITEM)



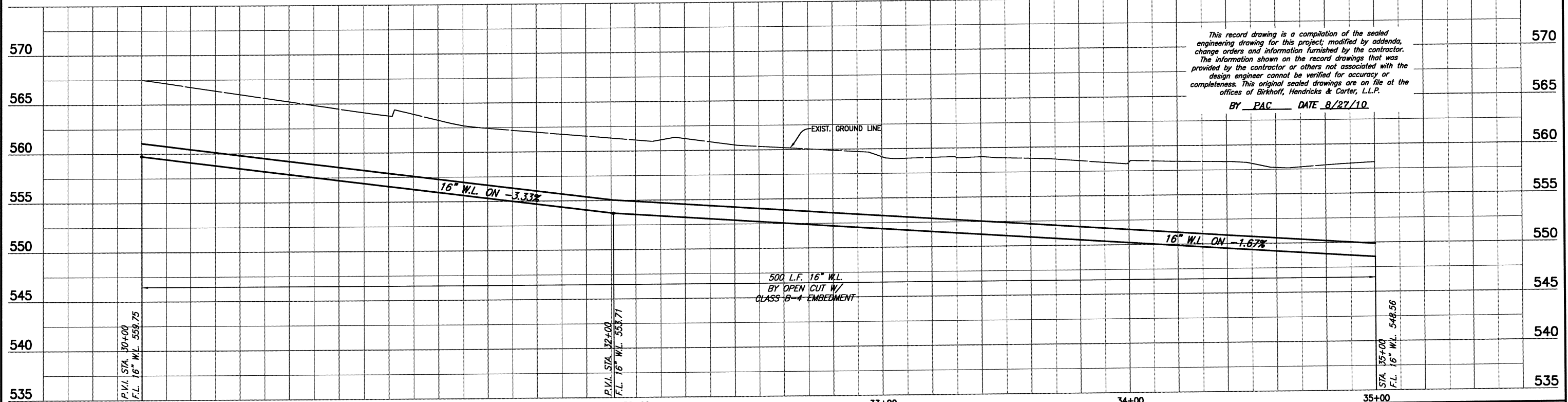
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO CONSTRUCTION. CONTACT MR. DWIGHT LINDOP WITH MT. ZION WSC AT 972-670-9091 PRIOR TO CONSTRUCTION.

DENOTES TREE REMOVAL

N 7038496.3717
 E 2606746.3432
 STA. 32+67
 FURNISH & INSTALL:
 1-STD. FIRE HYDRANT
 1-16"x6" TEE
 1-6" GATE VALVE
 5 L.F. 6" W.L.

**FURNISH & INSTALL
 16" WATER LINE**

RAY & SHERRY
 VERNON HARTON



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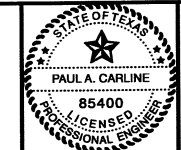
500 L.F. 16" W.L.
 BY OPEN CUT W/
 CLASS B-4 EMBEDMENT

P.V.I. STA. 30+00
 F.L. 16" W.L. 559.75

P.V.I. STA. 32+00
 F.L. 16" W.L. 553.71

STA. 35+00
 F.L. 16" W.L. 548.56

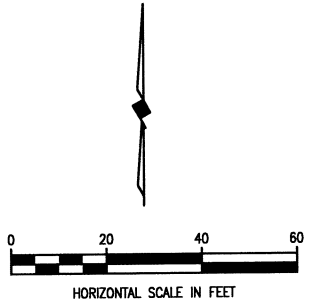
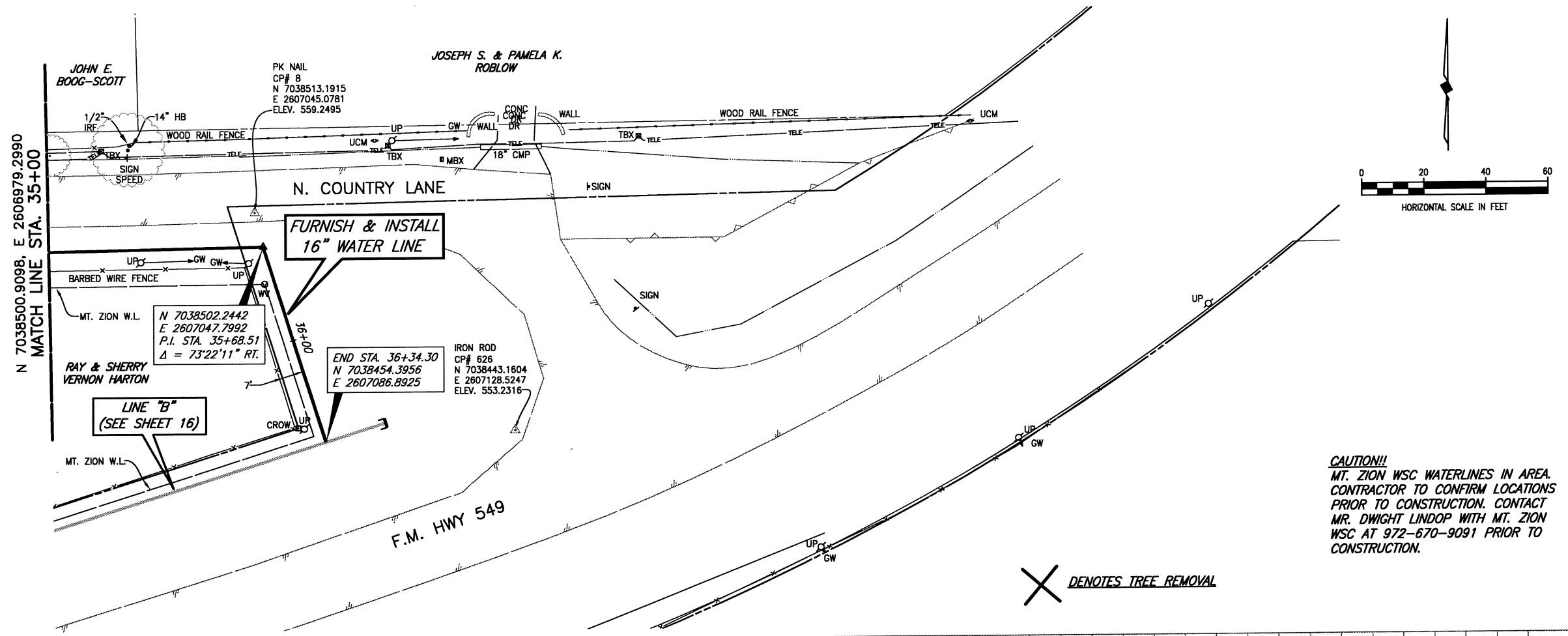
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 Dallas, Texas
 (214) 361-7900



3/17/09

CITY OF ROCKWALL
 N. COUNTRY LANE 16" WATER LINE
 LINE "A" PLAN & PROFILE SHEET
 STATION 30+00 TO 35+00

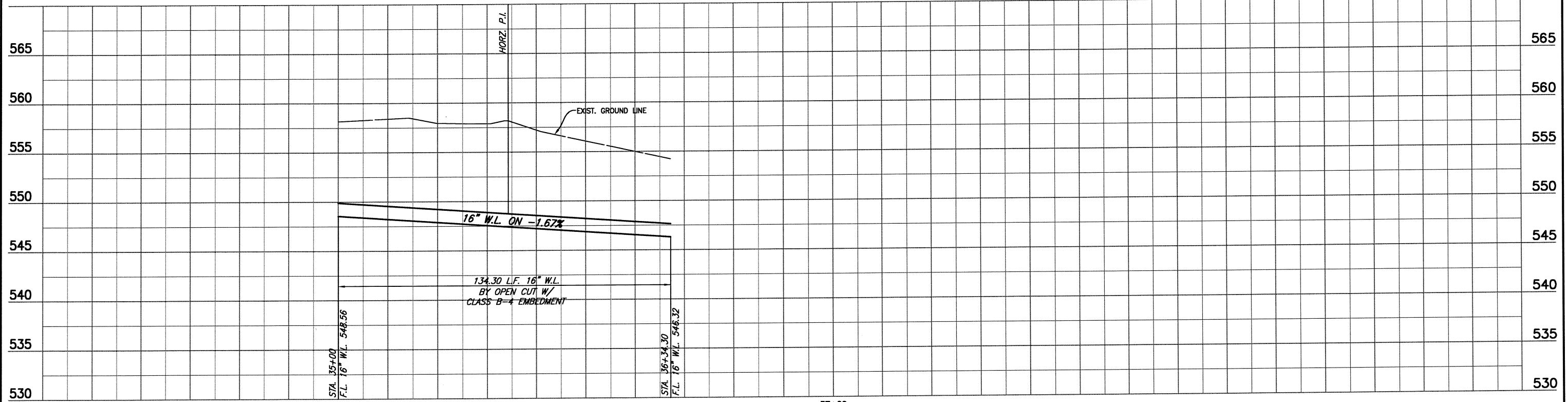
BHC
 PROJECT NO.
 2007-131
 SHEET NO.
 7
 March, 2009



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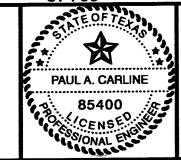
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO CONSTRUCTION. CONTACT MR. DWIGHT LINDOP WITH MT. ZION WSC AT 972-670-9091 PRIOR TO CONSTRUCTION.

X DENOTES TREE REMOVAL



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 Dallas, Texas
 (214) 361-7900



[Signature]
 3/17/09

CITY OF ROCKWALL
 N. COUNTRY LANE 16" WATER LINE
 LINE "A" PLAN & PROFILE SHEET
 STATION 35+00 TO 36+34

BHC
 PROJECT NO.
 2007-131
 March, 2009

SHEET NO.
8

N 7035301.2114
E 2606736.9179
STA. 0+04.97
FURNISH & INSTALL:
1-16"x12" TEE
2-16" BUTTERFLY VALVES
1-12" GATE VALVE
1-16" PLUG (EAST)
20 L.F. 16" W.L. (EAST)
CONNECT TO LINE "D"

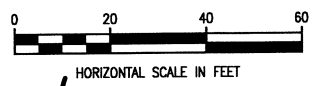
N 7035303.9055
E 2606732.7162
STA. 0+09.96
FURNISH & INSTALL:
1-STD. FIRE HYDRANT
1-16"x6" TEE
1-6" GATE VALVE
7 L.F. 6" W.L.

FURNISH & INSTALL
16" WATER LINE

LYNN VICTOR PARKER

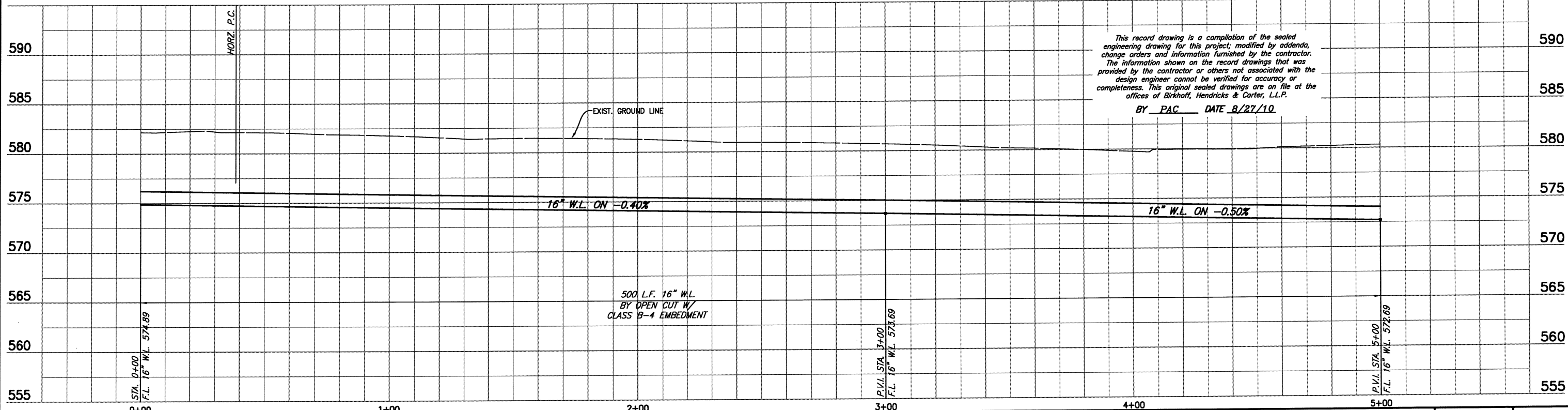
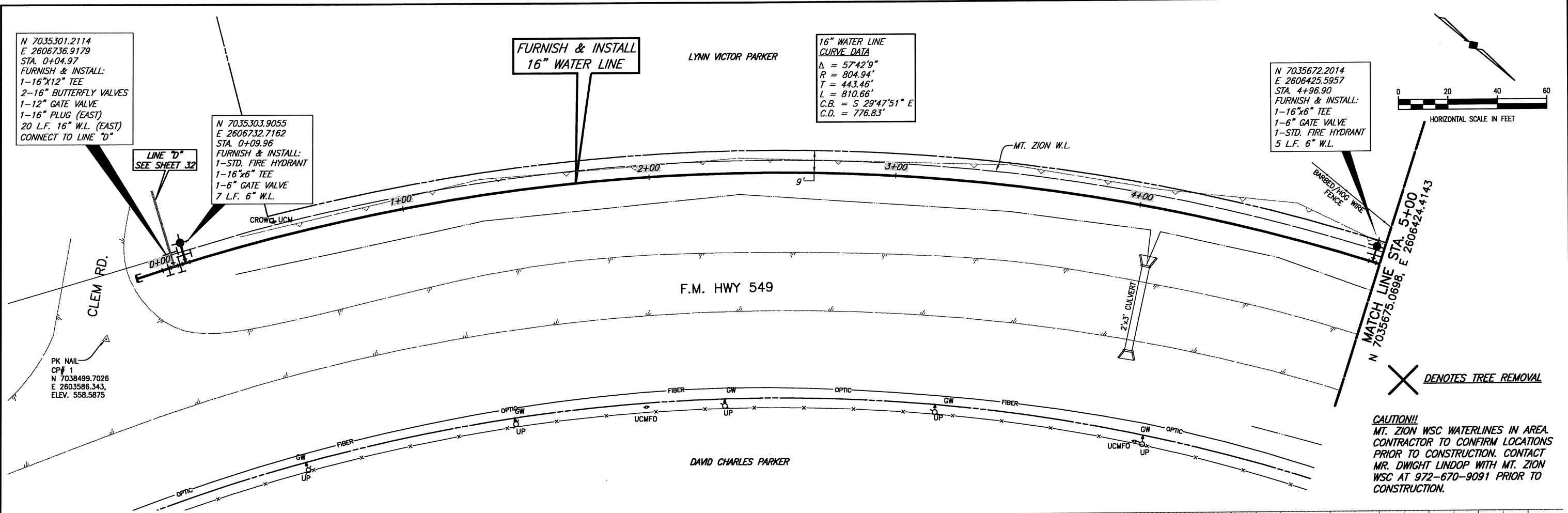
16" WATER LINE
CURVE DATA
 $\Delta = 57^{\circ}42'9"$
 $R = 804.94'$
 $T = 443.46'$
 $L = 810.66'$
C.B. = S 29°47'51" E
C.D. = 776.83'

N 7035672.2014
E 2606425.5957
STA. 4+96.90
FURNISH & INSTALL:
1-16"x6" TEE
1-6" GATE VALVE
1-STD. FIRE HYDRANT
5 L.F. 6" W.L.



X DENOTES TREE REMOVAL

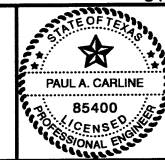
CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
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Dallas, Texas
(214) 361-7900



[Signature]
3/17/09

CITY OF ROCKWALL
F.M. 549 16" WATER LINE
LINE "B" PLAN & PROFILE SHEET
STATION 0+00 TO 5+00

BHC
PROJECT NO.
2007-131
March, 2009

SHEET NO.
9

THE EDWARD JONES TRUST COMPANY
V. 01570, P. 00089

16" WATER LINE
CURVE DATA
Δ = 57°42'9"
R = 804.94'
T = 443.46'
L = 810.66'
C.B. = S 29°47'51" E
C.D. = 776.83'

7+67.96N 7035935.2350
E 2606365.6075
STA. 7+68
FURNISH & INSTALL:
7 L.F. 2" WATER
SERVICE ASSEMBLY

FURNISH & INSTALL
16" WATER LINE

KACEY & TERRI E. CAIN
V. 01665, P. 0066

N 7036075.2249
E 2606362.6727
STA. 9+07.99
FURNISH & INSTALL:
7 L.F. 2" WATER
SERVICE ASSEMBLY

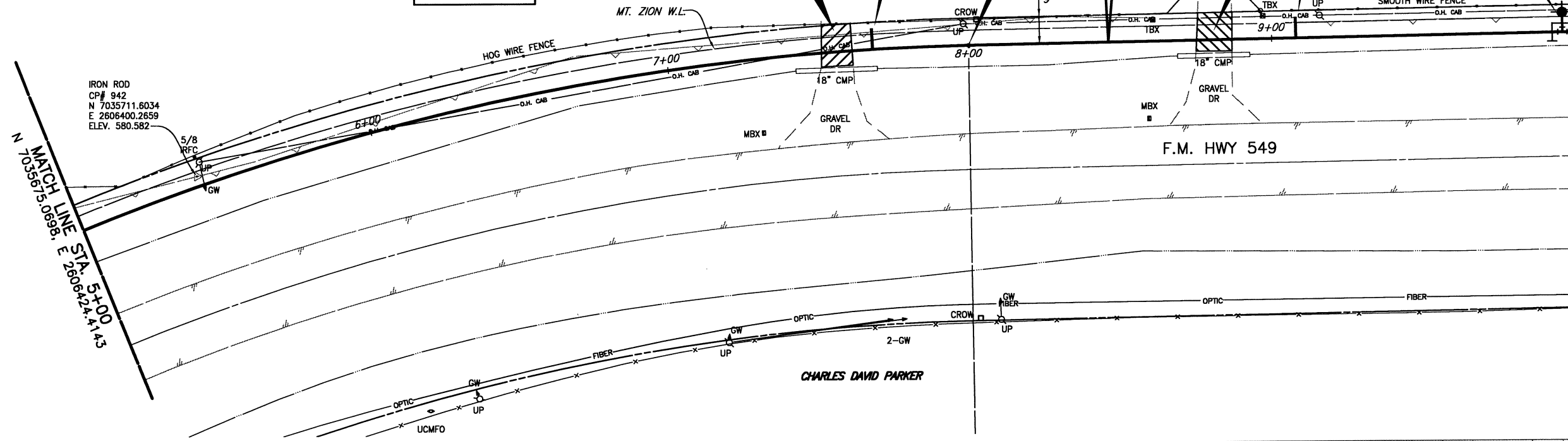
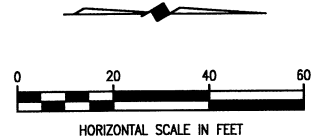
N 7036163.4971
E 2606362.7757
STA. 9+96.25
FURNISH & INSTALL:
1-STD. FIRE HYDRANT
1-16"x6" TEE
1-6" GATE VALVE
1-16" BUTTERFLY VALVE
7 L.F. 6" W.L.

REMOVE & REPLACE
15 S.Y. GRAVEL
DRIVEWAY

N 7035948.9016
E 2606368.6906
P.T. STA. 7+81.50

REMOVE & REPLACE
16 S.Y. GRAVEL
DRIVEWAY

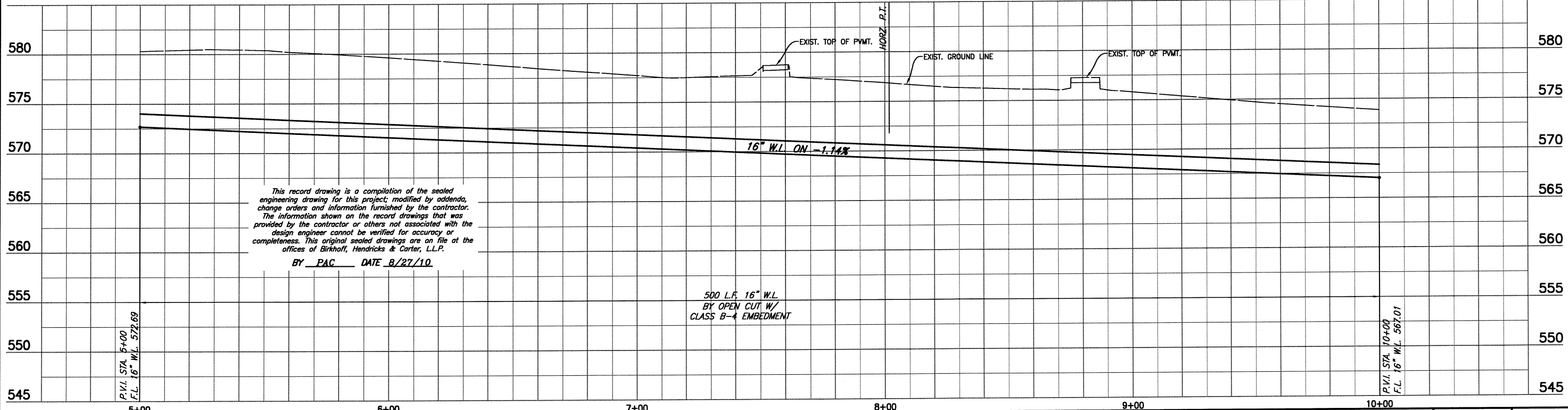
MATCH LINE STA. 10+00
N 7036167.2206, E 2606361.1534



X DENOTES TREE REMOVAL

CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.

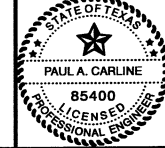
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BY PAC DATE 8/27/10

500 L.F. 16" W.L.
BY OPEN CUT W/
CLASS B-4 EMBEDMENT

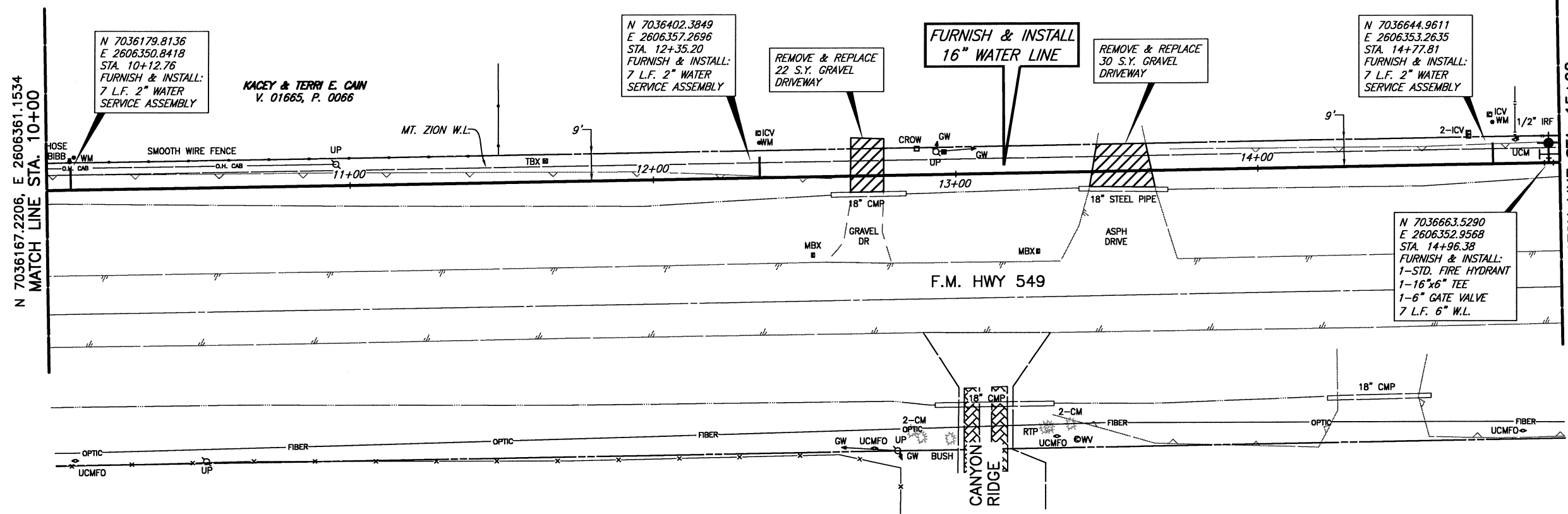
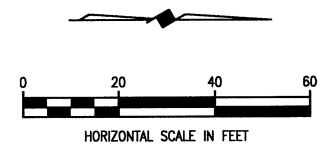
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CONSULTING ENGINEERS
11910 Greenville Ave., Suite 600
Dallas, Texas
(214) 361-7900



[Signature]
8/17/10

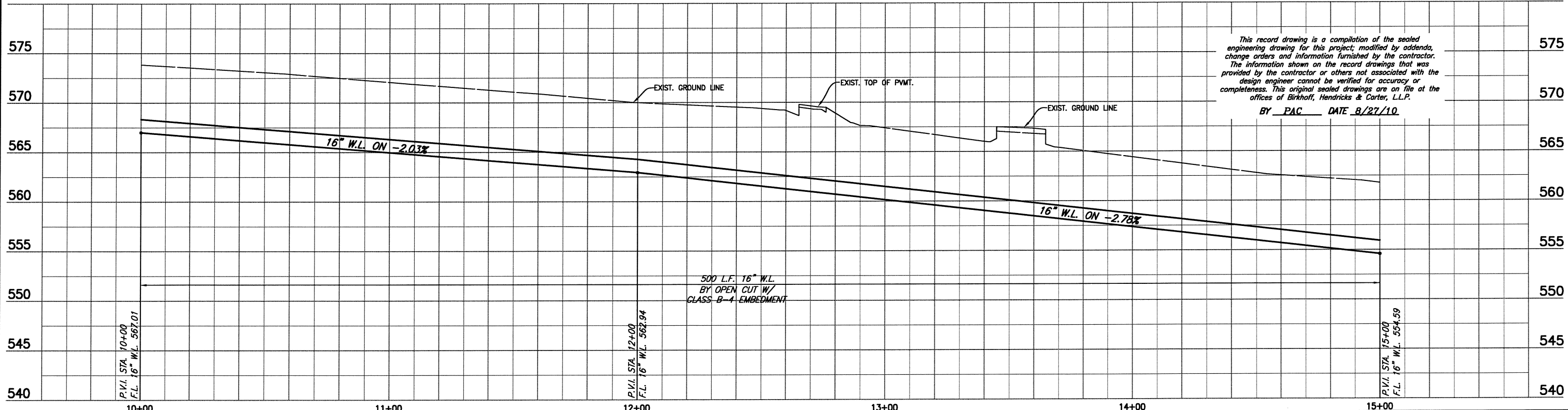
CITY OF ROCKWALL
F.M. 549 16" WATER LINE
LINE "B" PLAN & PROFILE SHEET
STATION 5+00 TO 10+00

BHC
PROJECT NO.
2007-131
SHEET NO.
10
March, 2009



MATCH LINE STA. 15+00
N 7036667.1524, E 2606352.8970

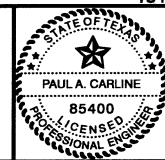
CAUTION!!
MT. ZION WSC WATERLINES IN AREA. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO CONSTRUCTION. CONTACT MR. DWIGHT LINDOP WITH MT. ZION WSC AT 972-670-9091 PRIOR TO CONSTRUCTION.



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Dallas, Texas
(214) 361-7900

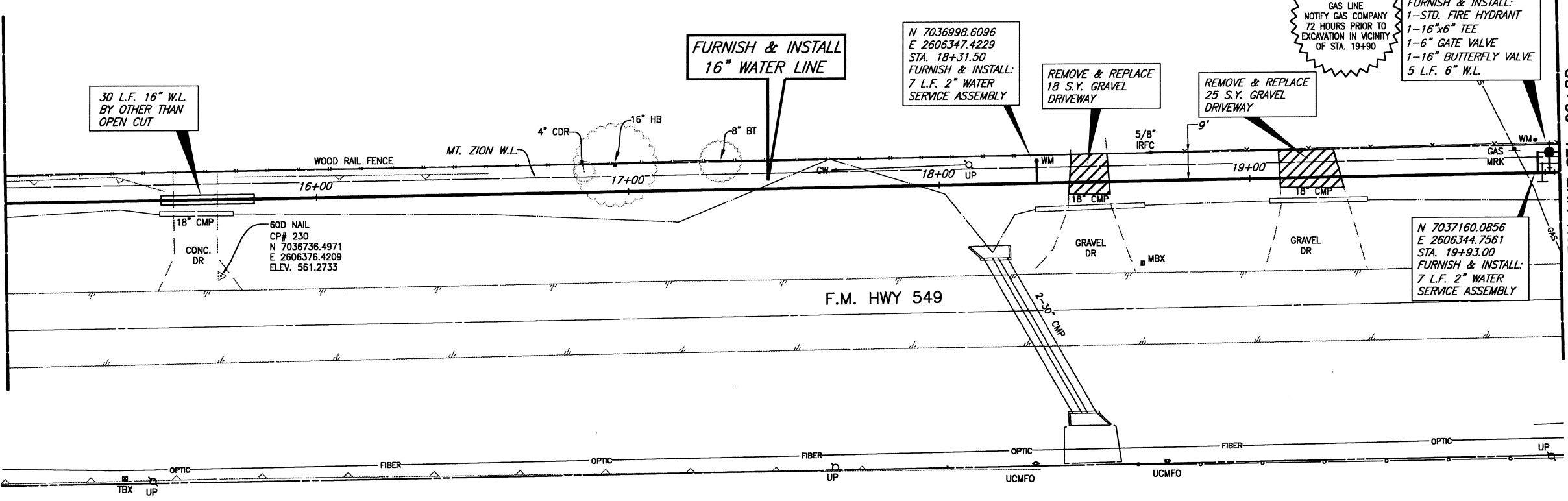


3/17/09

CITY OF ROCKWALL
F.M. 549 16" WATER LINE
LINE "B" PLAN & PROFILE SHEET
STATION 10+00 TO 15+00

BHC
PROJECT NO.
2007-131
SHEET NO.
11
March, 2009

N 7036667.1524, E 2606352.8970
MATCH LINE STA. 15+00



MATCH LINE STA. 20+00
N 7037167.0843, E 2606344.6406

WARNING
GAS LINE
NOTIFY GAS COMPANY
72 HOURS PRIOR TO
EXCAVATION IN VICINITY
OF STA. 19+90

N 7037163.8765
E 2606344.6935
STA. 19+96.79
FURNISH & INSTALL:
1-STD. FIRE HYDRANT
1-16"x6" TEE
1-6" GATE VALVE
1-16" BUTTERFLY VALVE
5 L.F. 6" W.L.

**FURNISH & INSTALL
16" WATER LINE**

N 7036998.6096
E 2606347.4229
STA. 18+31.50
FURNISH & INSTALL:
7 L.F. 2" WATER
SERVICE ASSEMBLY

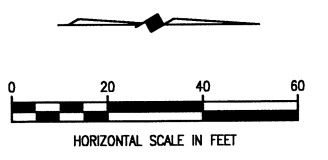
**REMOVE & REPLACE
18 S.Y. GRAVEL
DRIVEWAY**

**REMOVE & REPLACE
25 S.Y. GRAVEL
DRIVEWAY**

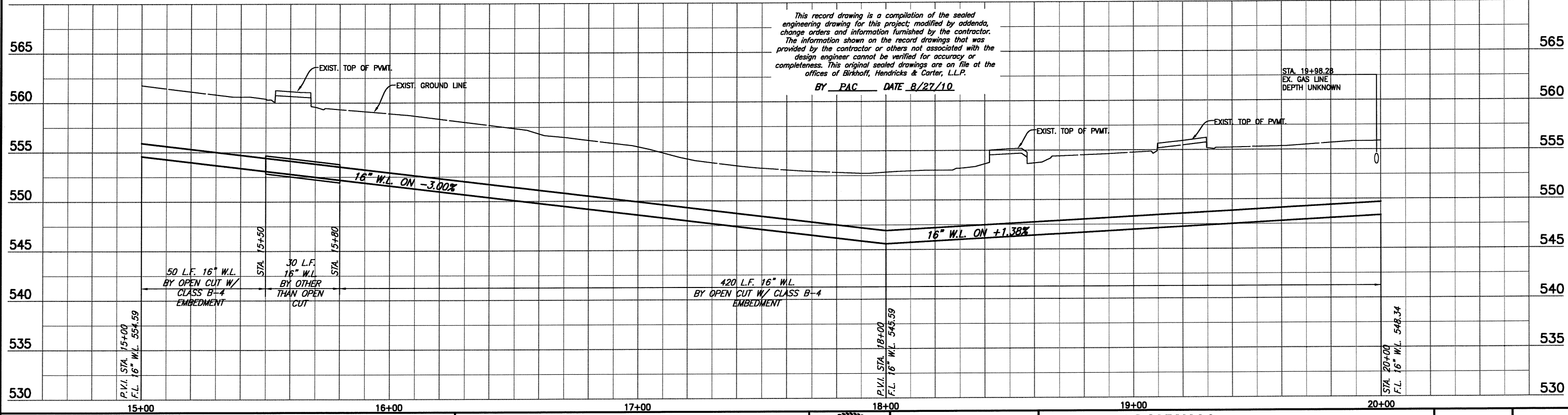
N 7037160.0856
E 2606344.7561
STA. 19+93.00
FURNISH & INSTALL:
7 L.F. 2" WATER
SERVICE ASSEMBLY

X DENOTES TREE REMOVAL

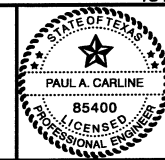
CAUTION!!
MT. ZION WSC WATERLINES IN
AREA. CONTRACTOR TO
CONFIRM LOCATIONS PRIOR TO
CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT.
ZION WSC AT 972-670-9091
PRIOR TO CONSTRUCTION.



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BY PAC DATE 8/27/10



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CONSULTING ENGINEERS
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[Signature]
3/17/09

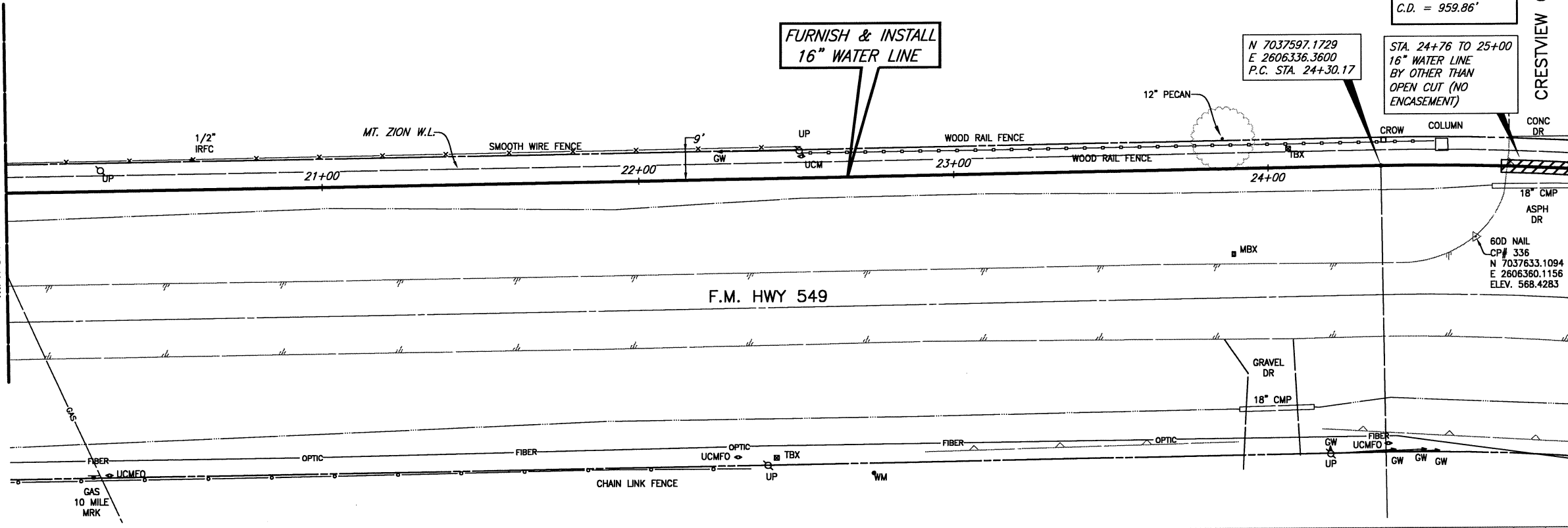
CITY OF ROCKWALL
F.M. 549 16" WATER LINE
LINE "B" PLAN & PROFILE SHEET
STATION 15+00 TO 20+00

BHC
PROJECT NO.
2007-131
March, 2009

SHEET NO.
12

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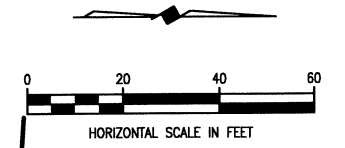
N 7037167.0843, E 2606344.6406
MATCH LINE STA. 20+00



16" WATER LINE
CURVE DATA
Δ = 73°12'0"
R = 804.94'
T = 597.8'
L = 1028.38'
C.B. = S 35°39'14" W
C.D. = 959.86'

N 7037597.1729
E 2606336.3600
P.C. STA. 24+30.17

STA. 24+76 TO 25+00
16" WATER LINE
BY OTHER THAN
OPEN CUT (NO
ENCASEMENT)

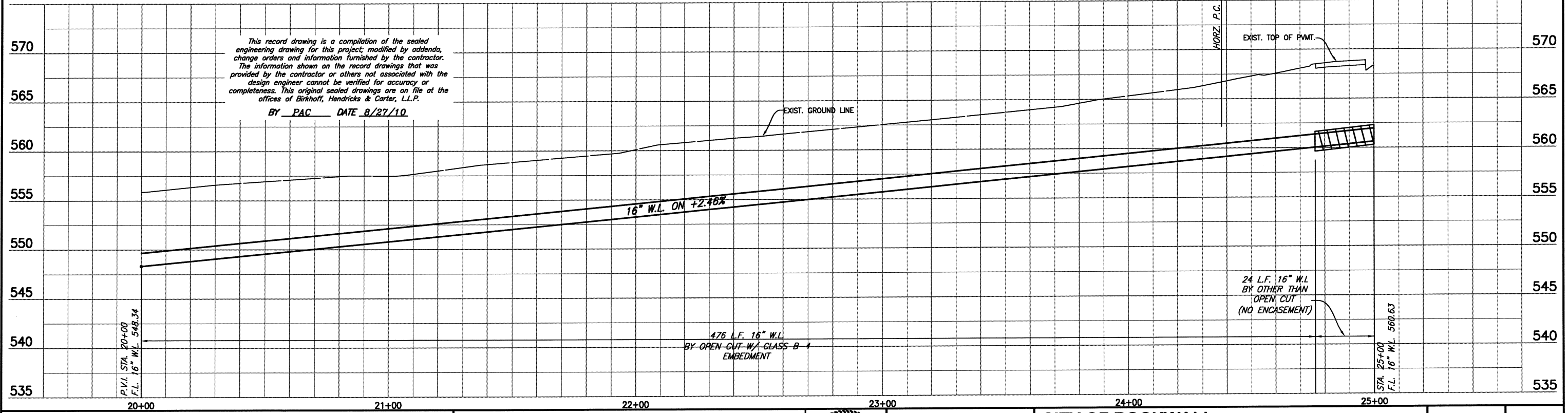


CRESTVIEW CIR.
MATCH LINE STA. 25+00
N 7037666.9904, E 2606338.9414

X DENOTES TREE REMOVAL

CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.

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design engineer cannot be verified for accuracy or
completeness. This original sealed drawings are on file at the
offices of Birkhoff, Hendricks & Carter, L.L.P.
BY PAC DATE 8/27/10



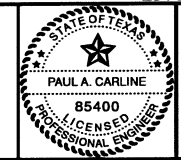
P.V.I. STA. 20+00
F.L. 16" W.L. 548.34

476 L.F. 16" W.L.
BY OPEN CUT W/ CLASS-B-1
EMBEDMENT

24 L.F. 16" W.L.
BY OTHER THAN
OPEN CUT
(NO ENCASEMENT)

STA. 25+00
F.L. 16" W.L. 560.63

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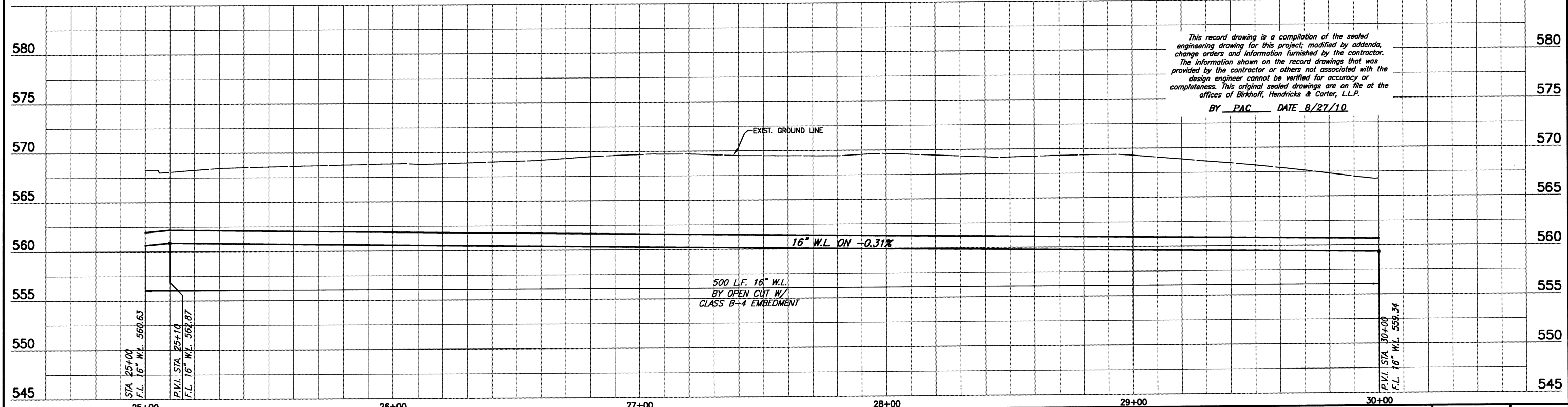
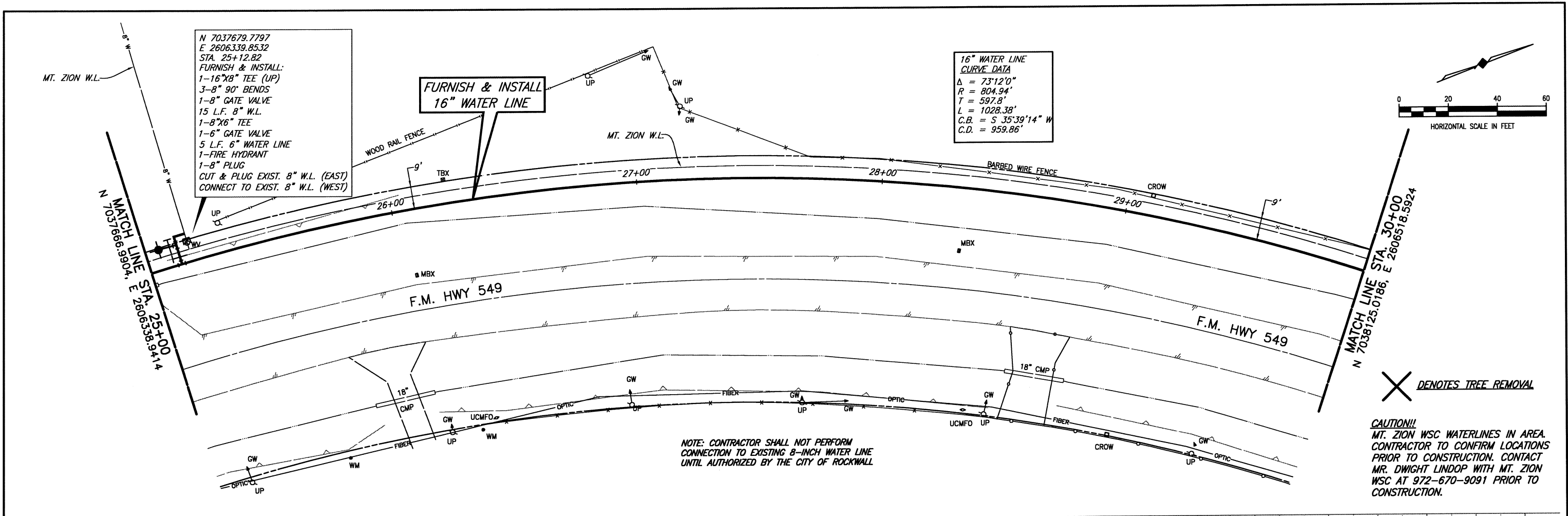
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3/17/09

CITY OF ROCKWALL
F.M. 549 16" WATER LINE
LINE "B" PLAN & PROFILE SHEET
STATION 20+00 TO 25+00

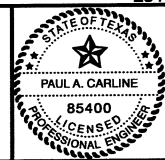
BHC
PROJECT NO.
2007-131
March, 2009
SHEET NO.
13

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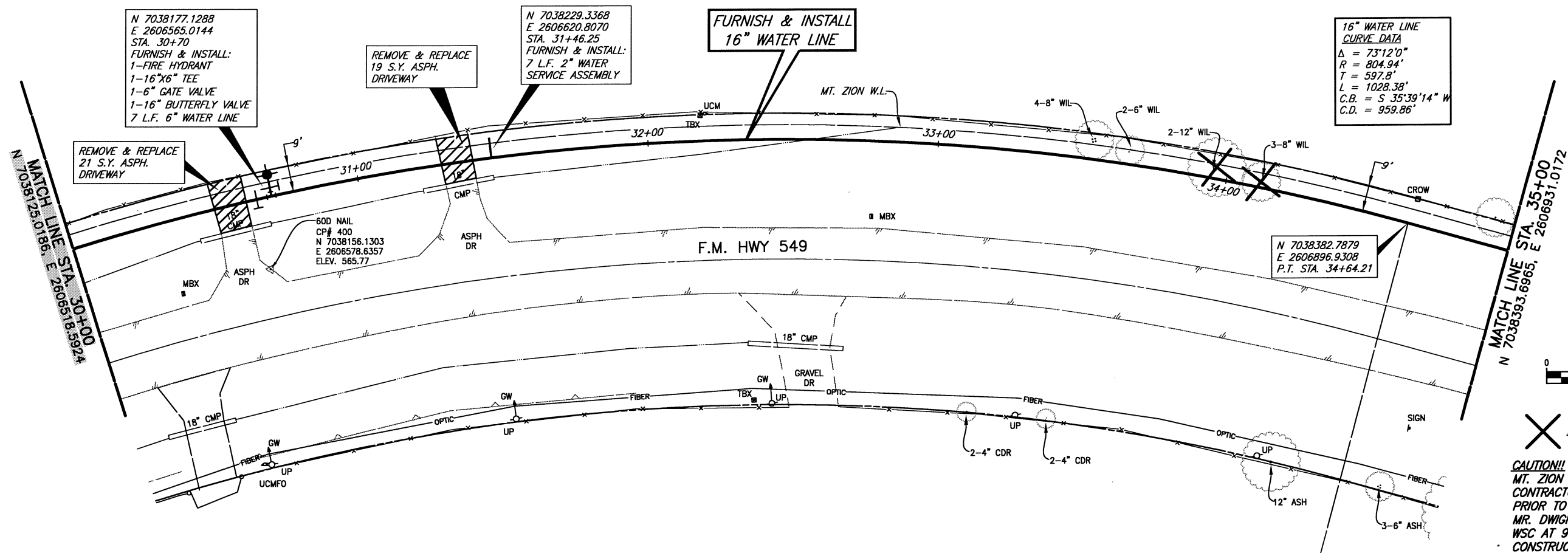
CITY OF ROCKWALL
F.M. 549 16" WATER LINE
LINE "B" PLAN & PROFILE SHEET
STATION 25+00 TO 30+00

BHC
 PROJECT NO.
 2007-131

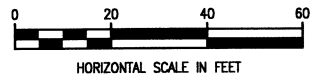
March, 2009

SHEET NO.
14

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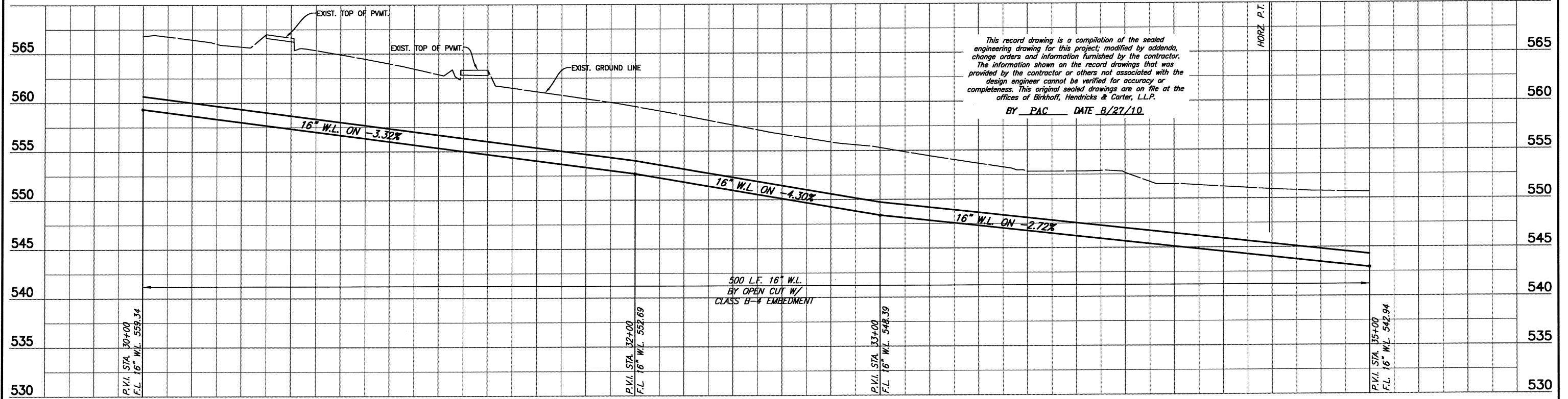


16" WATER LINE CURVE DATA
 $\Delta = 73^{\circ}12'0''$
 $R = 804.94'$
 $T = 597.8'$
 $L = 1028.38'$
 $C.B. = S 35^{\circ}39'14'' W$
 $C.D. = 959.86'$



X DENOTES TREE REMOVAL

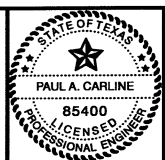
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO CONSTRUCTION. CONTACT MR. DWIGHT LINDOP WITH MT. ZION WSC AT 972-670-9091 PRIOR TO CONSTRUCTION.



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BY PAC DATE 8/27/10

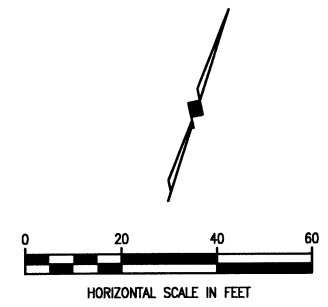
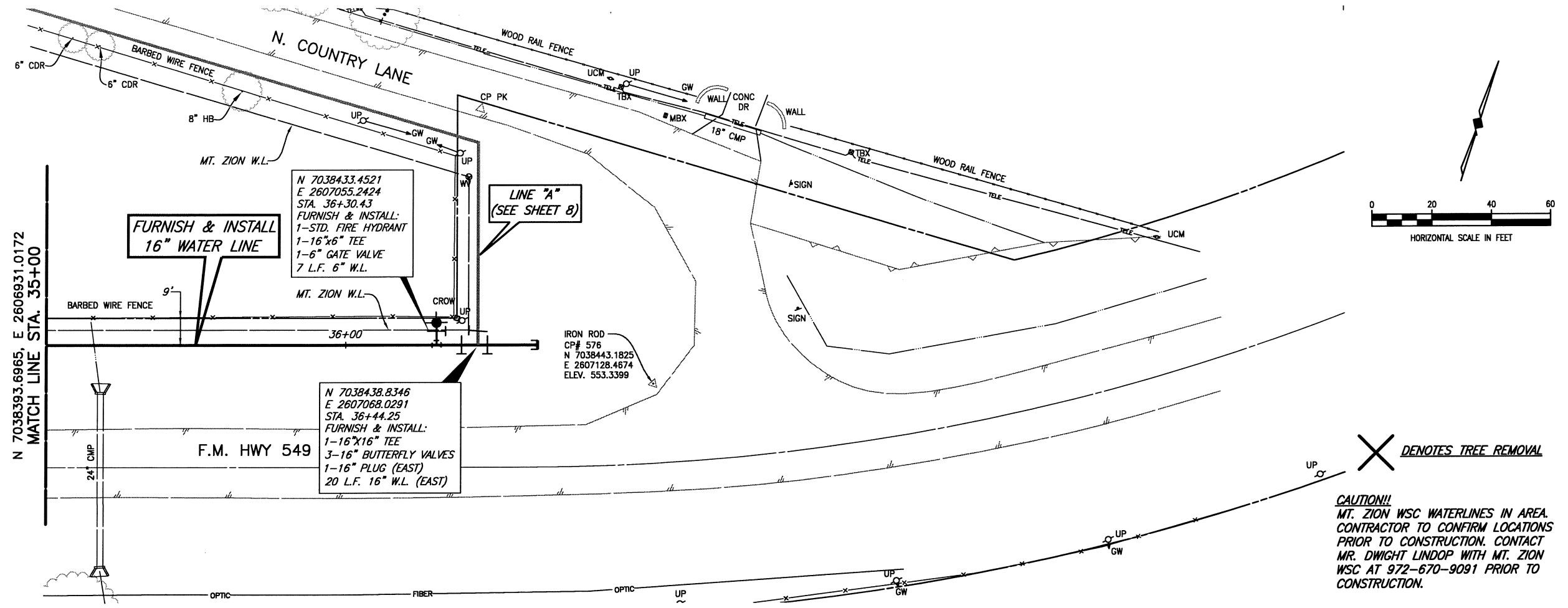
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 CONSULTING ENGINEERS
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 Dallas, Texas
 (214) 361-7900



[Signature]
 8/17/10

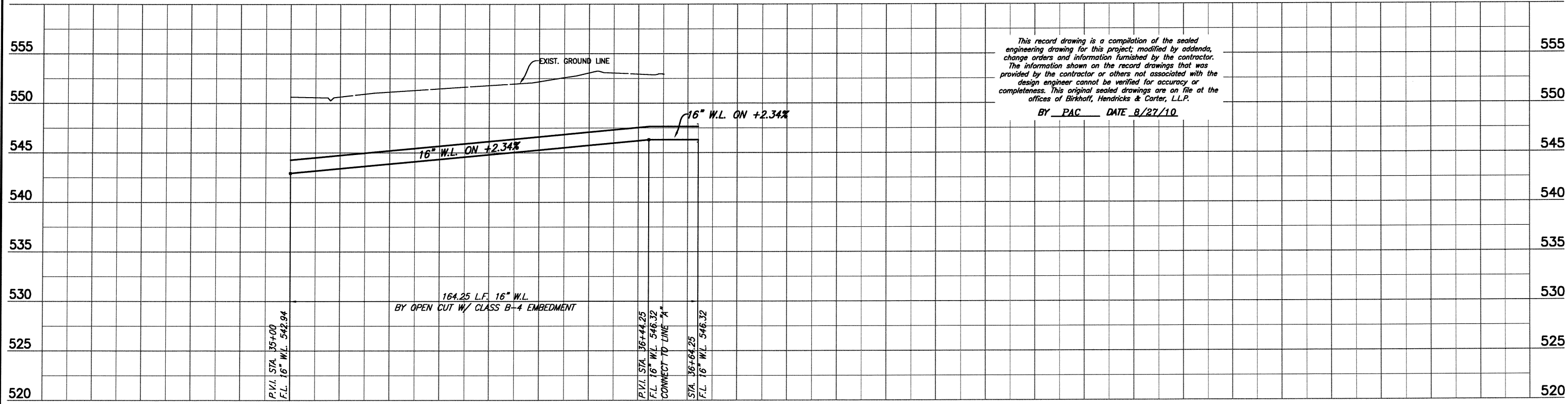
CITY OF ROCKWALL
 F.M. 549 16" WATER LINE
 LINE "B" PLAN & PROFILE SHEET
 STATION 30+00 TO 35+00

BHC PROJECT NO. 2007-131	SHEET NO. 15
March, 2009	



X DENOTES TREE REMOVAL

CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.

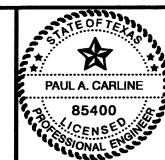


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[Signature]
 3/17/09

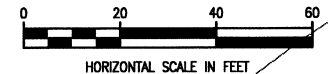
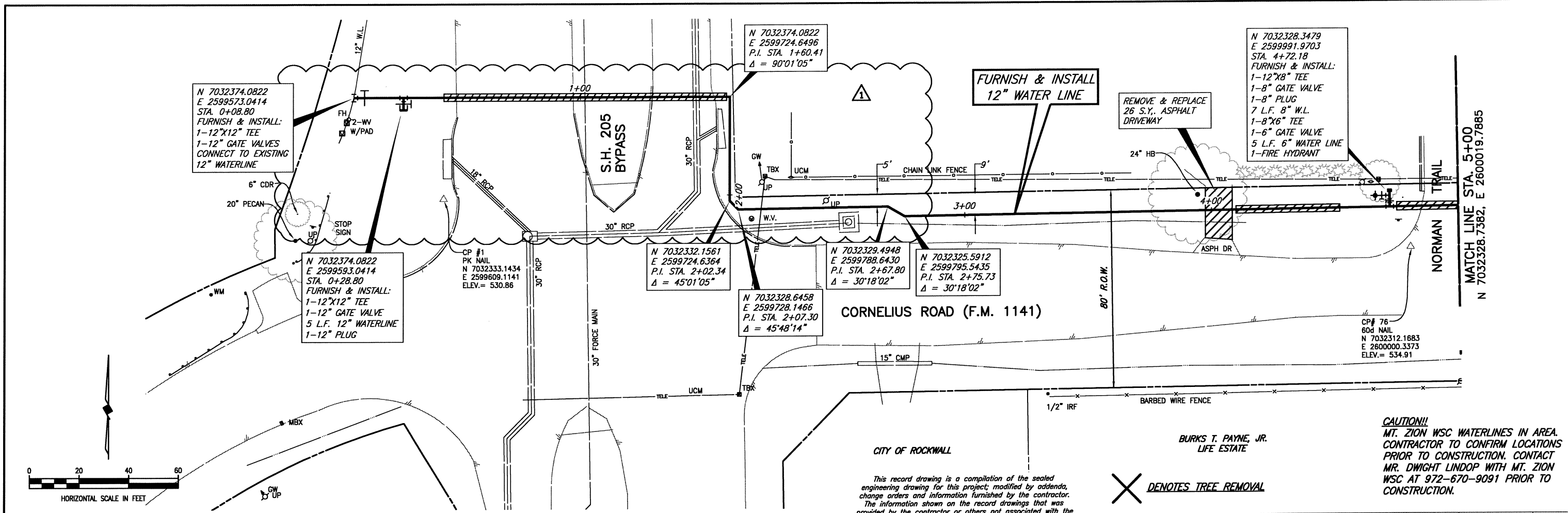
CITY OF ROCKWALL
 F.M. 549 16" WATER LINE
 LINE "B" PLAN & PROFILE SHEET
 STATION 35+00 TO 36+55

BHC
 PROJECT NO.
 2007-131

SHEET NO.
16

March, 2009

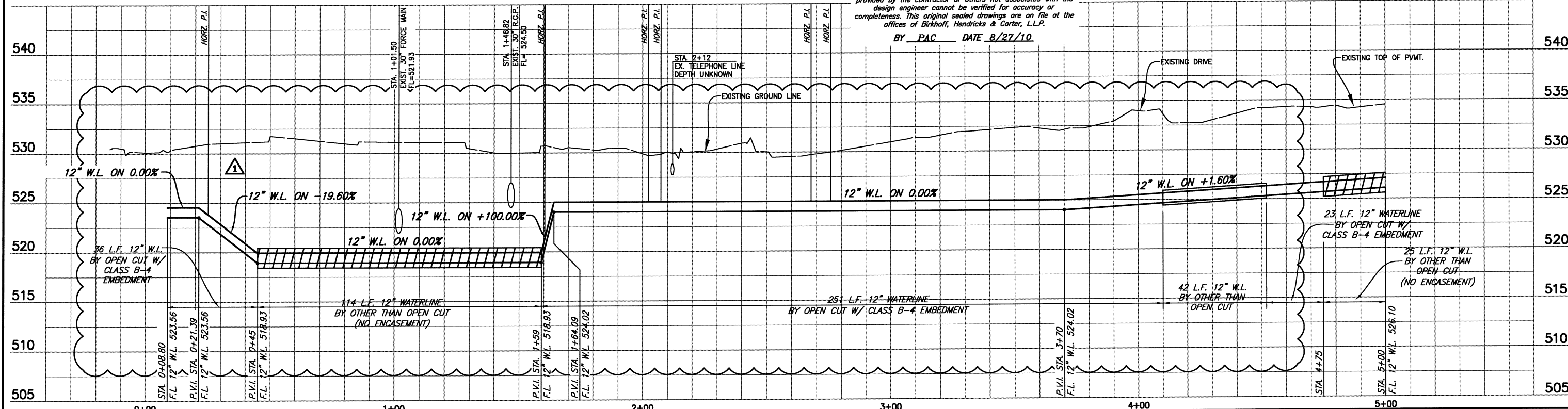
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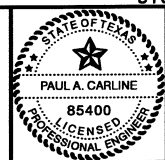
X DENOTES TREE REMOVAL

CAUTION!!
MT. ZION WSC WATERLINES IN AREA. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO CONSTRUCTION. CONTACT MR. DWIGHT LINDOP WITH MT. ZION WSC AT 972-670-9091 PRIOR TO CONSTRUCTION.



<p>FIELD CHANGE NO. 1 6/10/09 - REVISED WATERLINE ALIGNMENT</p>
--

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CONSULTING ENGINEERS
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Dallas, Texas
(214) 361-7900

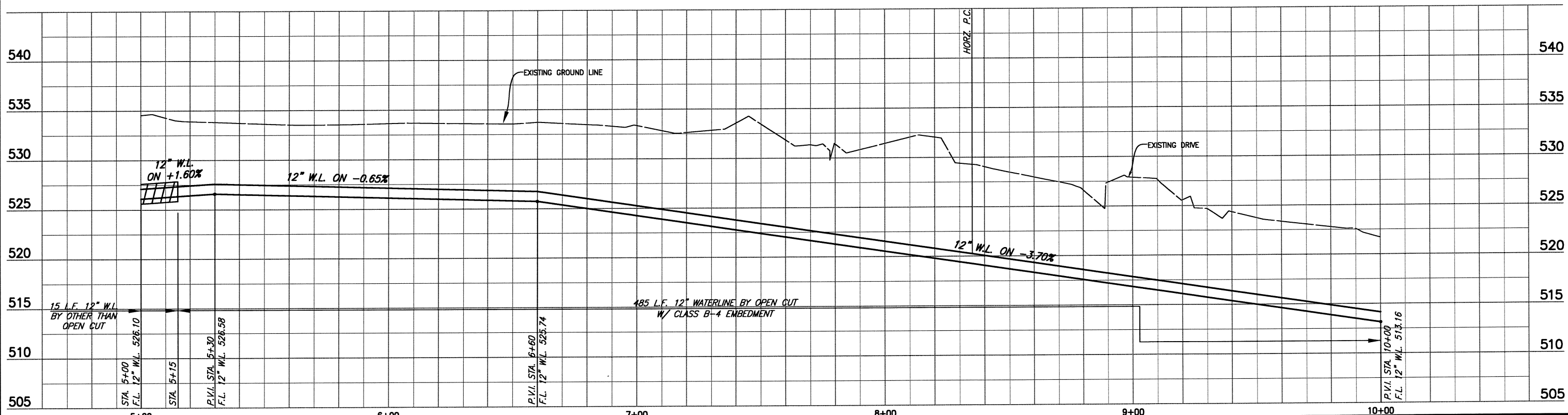
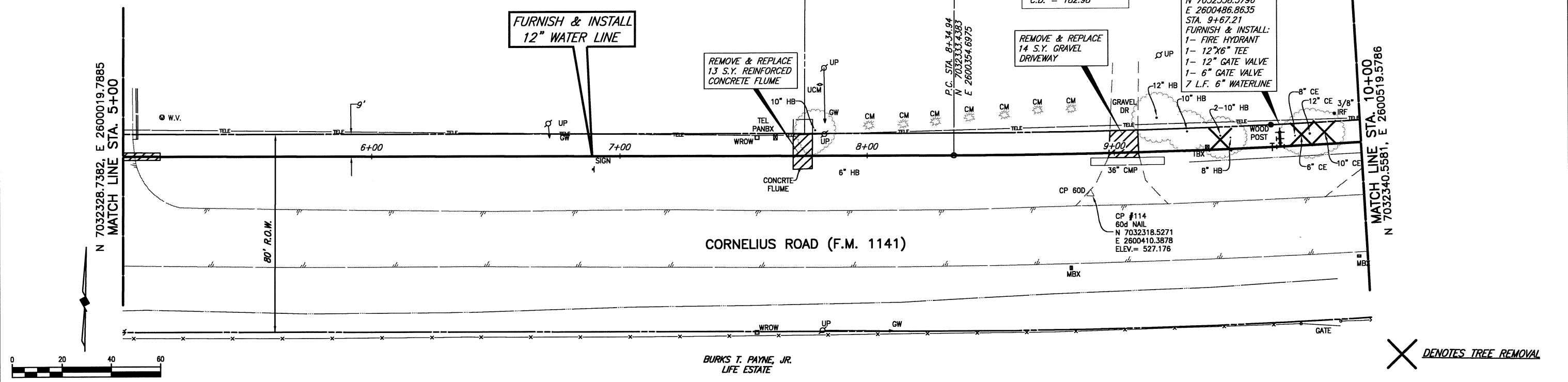


Wayne Hays
8/22/09

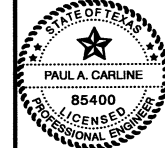
CITY OF ROCKWALL
CORNELIUS (F.M. 1141) 12" WATER LINE
LINE "C" PLAN & PROFILE SHEET
STA. 0+00 TO 5+00

BHC PROJECT NO. 2007-131	SHEET NO. 17
June, 2009	

CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.



BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 CONSULTING ENGINEERS
 11910 Greenville Ave., Suite 600
 Dallas, Texas
 (214) 361-7900



[Signature]
 3/20/09

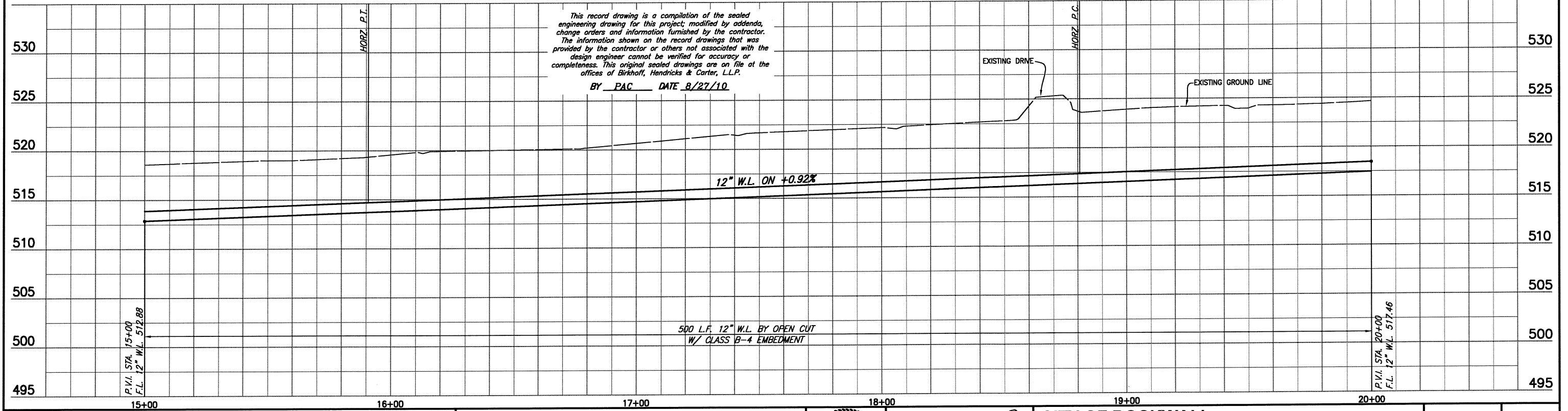
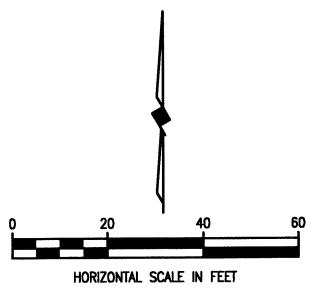
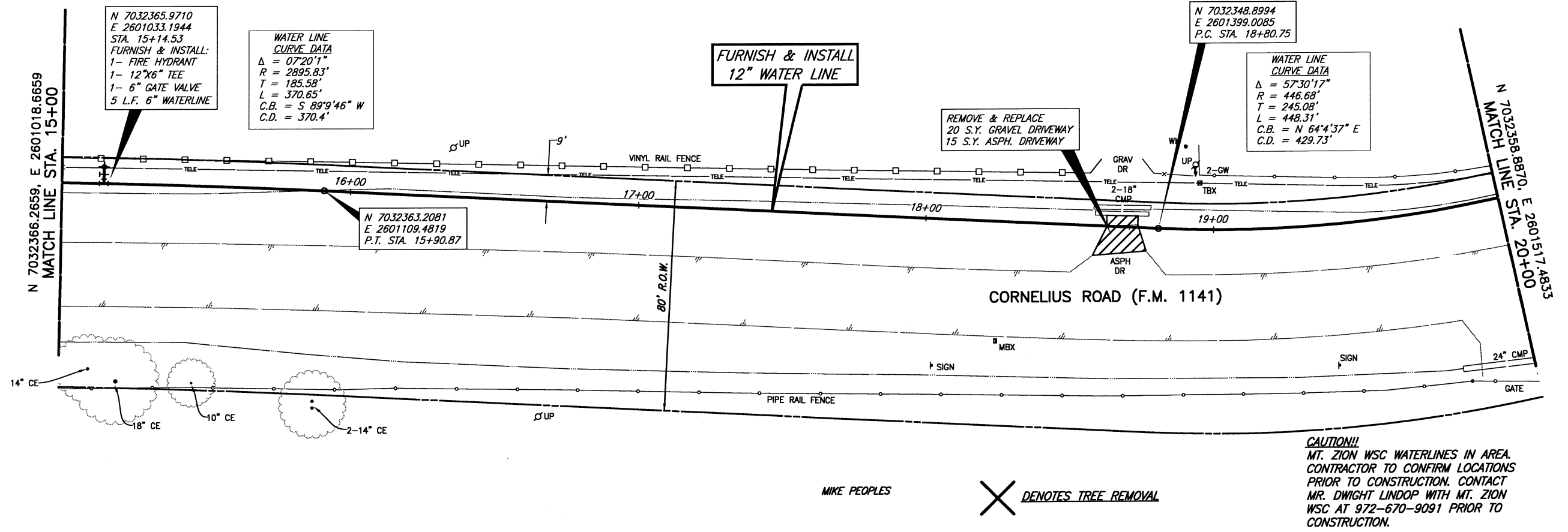
CITY OF ROCKWALL
 CORNELIUS (F.M. 1141) 12" WATER LINE
 LINE "C" PLAN & PROFILE SHEET
 STA. 5+00 TO 10+00

BHC
 PROJECT NO.
 2007-131
 June, 2009

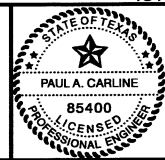
SHEET NO.
18

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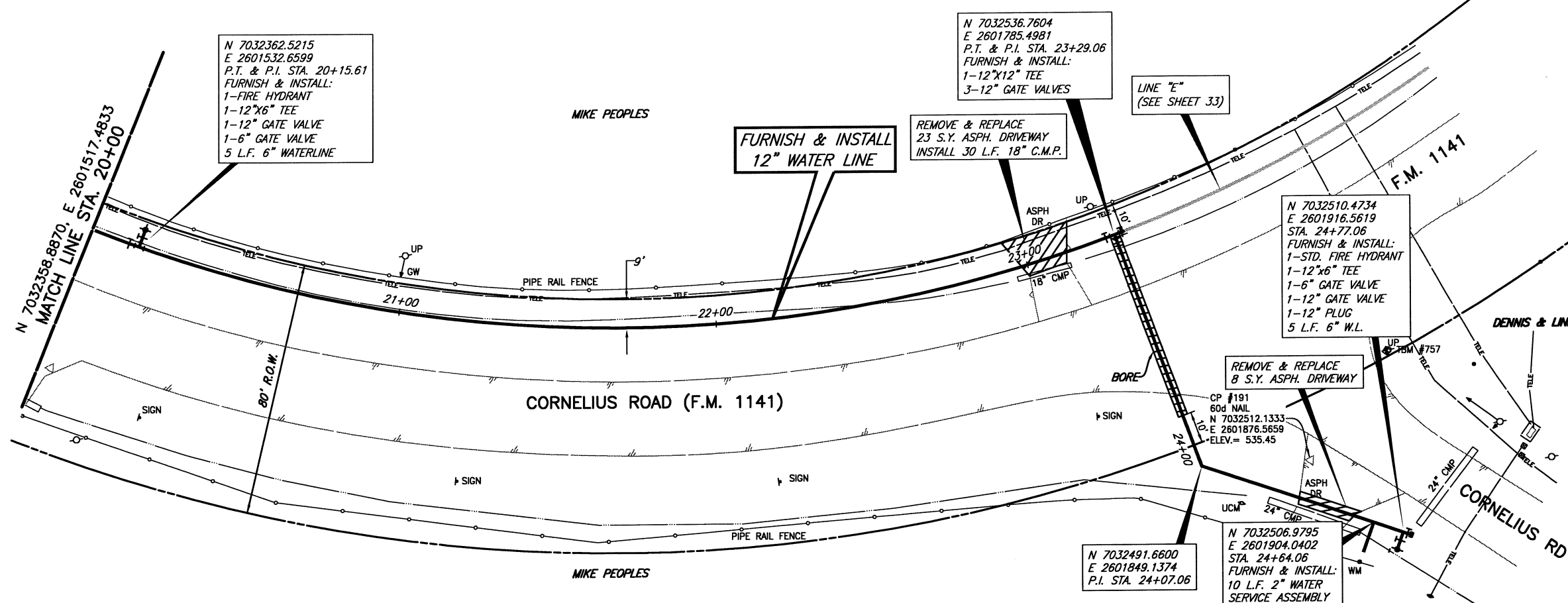


[Signature]
 3/20/09

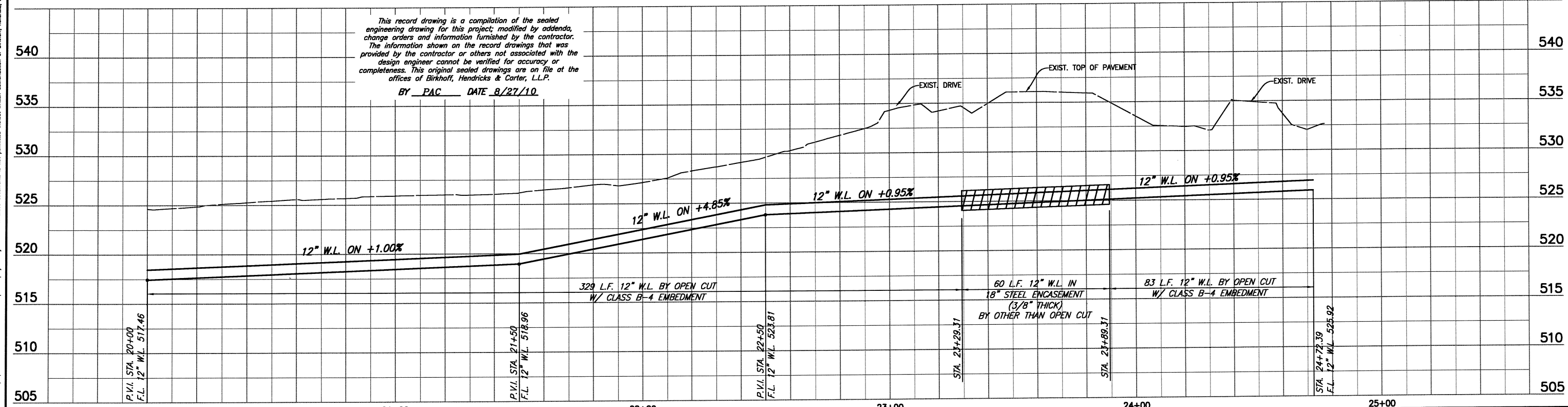
CITY OF ROCKWALL
 CORNELIUS (F.M. 1141) 12" WATER LINE
 LINE "C" PLAN & PROFILE SHEET
 STA. 15+00 TO 20+00

BHC
 PROJECT NO.
 2007-131
 SHEET NO.
20
 June, 2009

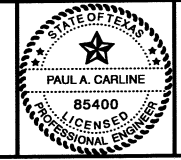
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.



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 BY PAC DATE 8/27/10



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 Dallas, Texas
 (214) 361-7900



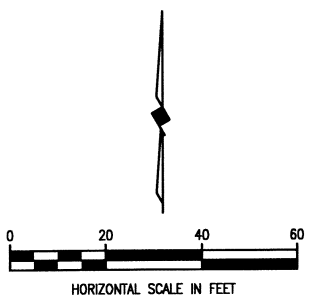
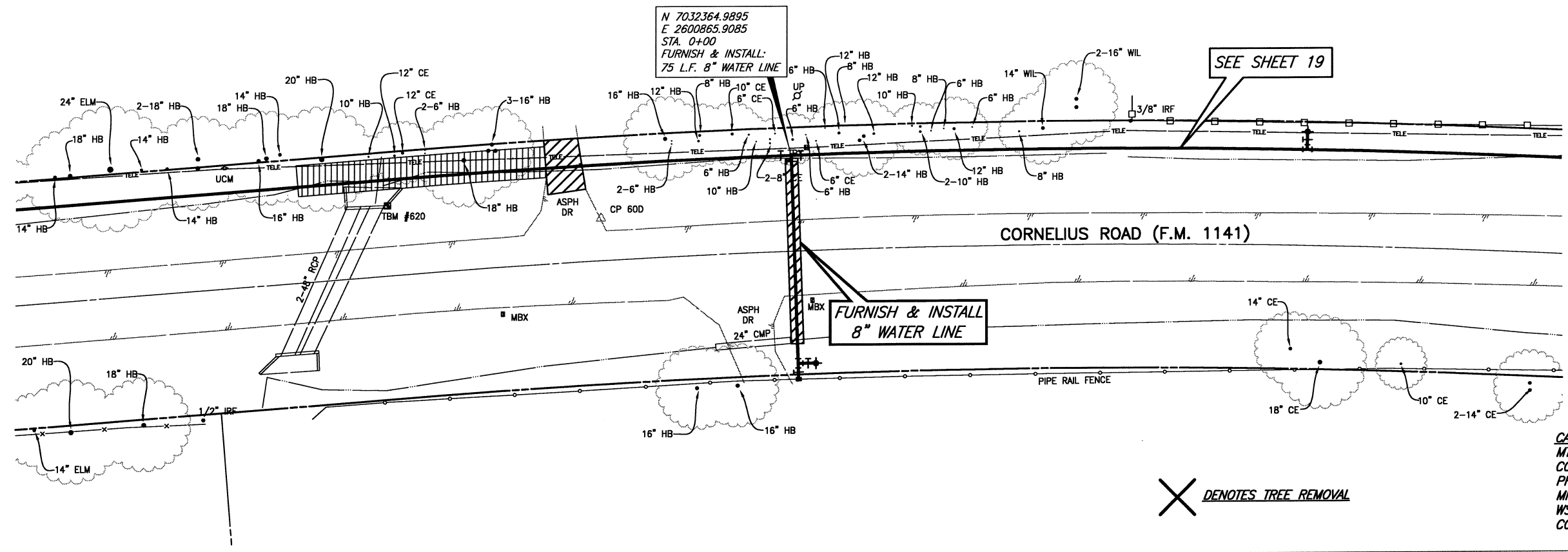
Signature of Paul A. Carline
 3/27/09

CITY OF ROCKWALL
 CORNELIUS (F.M. 1141) 12" WATER LINE
 LINE "C" PLAN & PROFILE SHEET
 STA. 20+00 TO 24+72.39

BHC
 PROJECT NO.
 2007-131
 SHEET NO.
21
 June, 2009

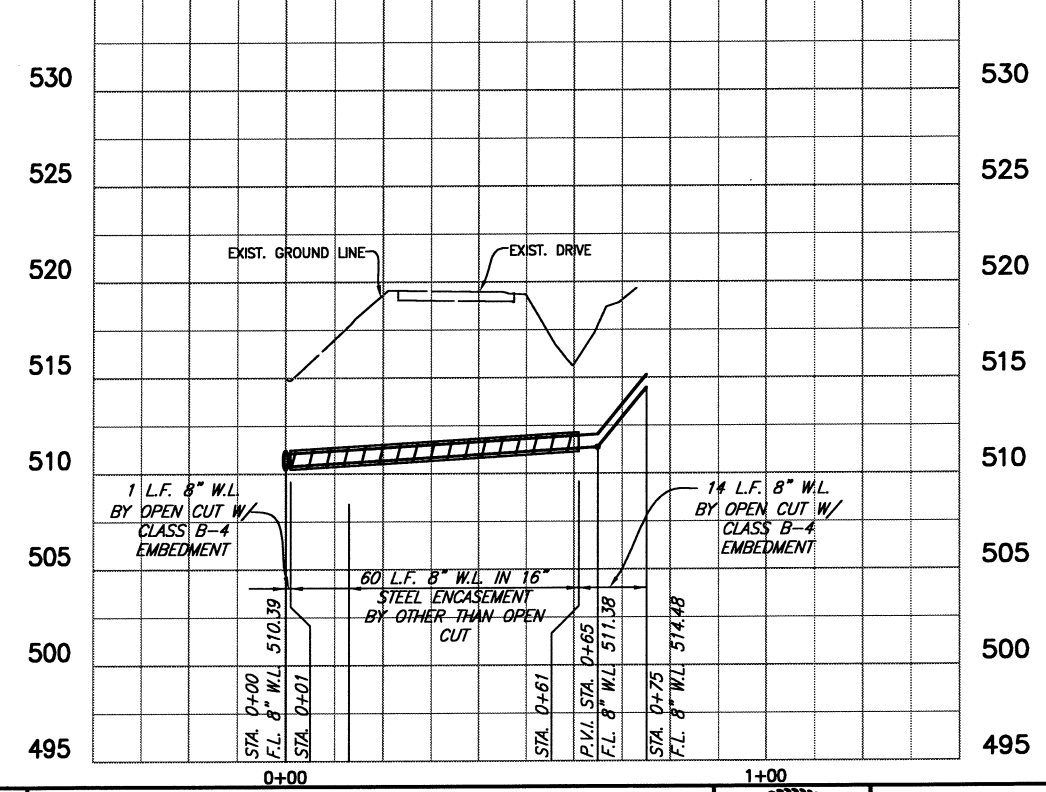
These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Birkhoff, Hendricks, & Conway, L.L.P.

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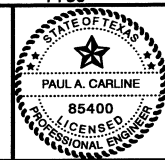
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.

X DENOTES TREE REMOVAL



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 BY PAC DATE 8/27/10

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 CONSULTING ENGINEERS
 11910 Greenville Ave., Suite 600
 Dallas, Texas
 (214) 361-7900

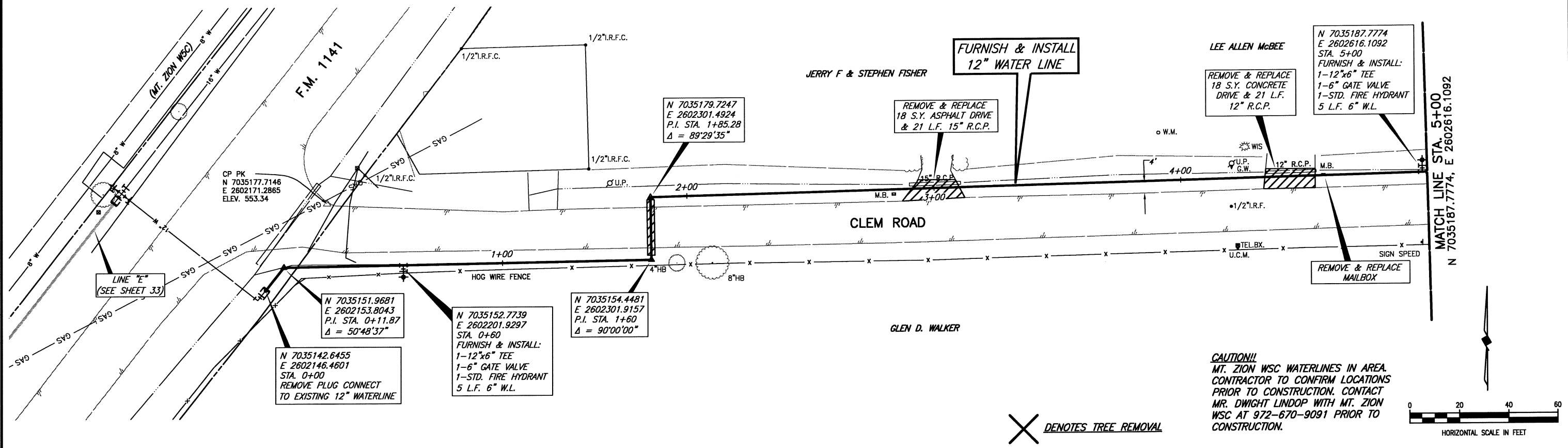


[Signature]
 3/22/09

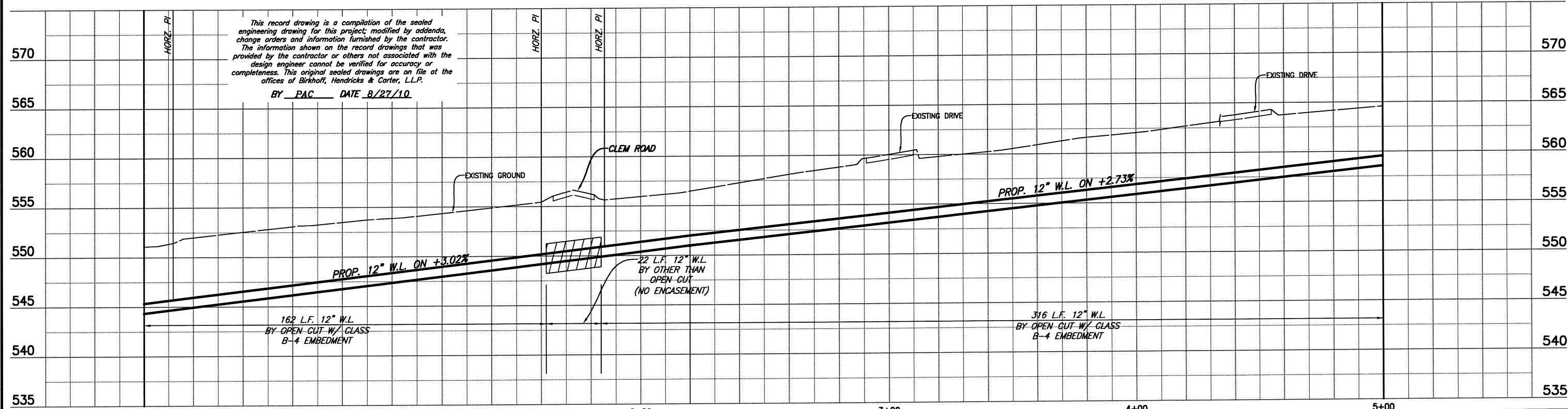
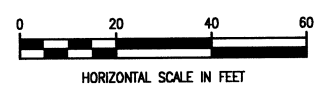
CITY OF ROCKWALL
 CORNELIUS (F.M. 1141) 12" WATER LINE
 8" WATER LINE CROSSING

BHC
 PROJECT NO.
 2007-131
 SHEET NO.
 22
 June, 2009

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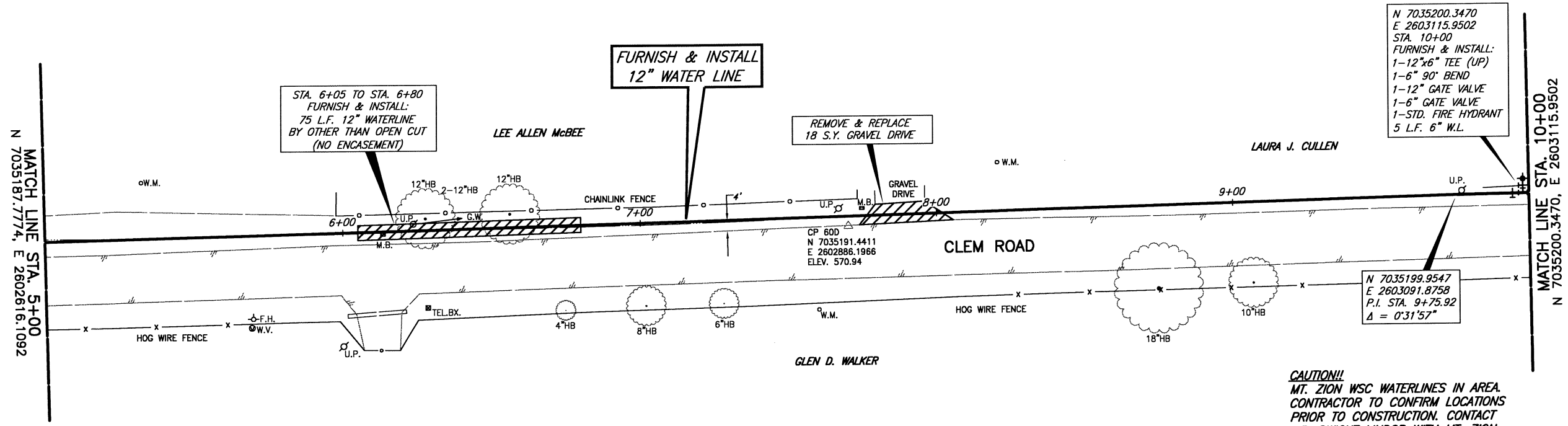
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.



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 BY PAC DATE 8/27/10

<p>FIELD CHANGE: REVISED WATER ALIGNMENT</p>	<p>BIRKHOFF, HENDRICKS & CONWAY, L.L.P. CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900 TEXAS FIRM: F526</p>			<p>CITY OF ROCKWALL, TEXAS CLEM ROAD 12" WATER LINE LINE "D" PLAN & PROFILE SHEET STA. 0+00 TO 5+00</p>	<p>BHC PROJECT NO. 2007-131</p> <p>July, 2009</p>	<p>SHEET NO. 23</p>
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N 7035200.3470
E 2603115.9502
STA. 10+00
FURNISH & INSTALL:
1-12"x6" TEE (UP)
1-6" 90° BEND
1-12" GATE VALVE
1-6" GATE VALVE
1-STD. FIRE HYDRANT
5 L.F. 6" W.L.

STA. 6+05 TO STA. 6+80
FURNISH & INSTALL:
75 L.F. 12" WATERLINE
BY OTHER THAN OPEN CUT
(NO ENCASEMENT)

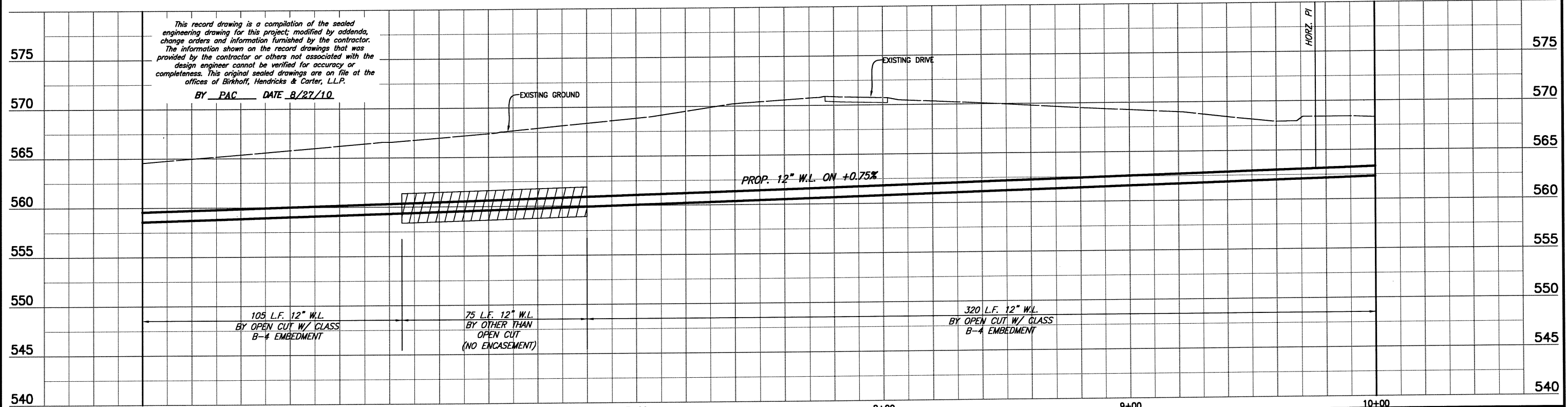
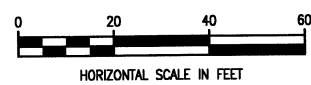
FURNISH & INSTALL
12" WATER LINE

REMOVE & REPLACE
18 S.Y. GRAVEL DRIVE

N 7035199.9547
E 2603091.8758
P.I. STA. 9+75.92
Δ = 0'31'57"

CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.

X DENOTES TREE REMOVAL



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BY PAC DATE 8/27/10

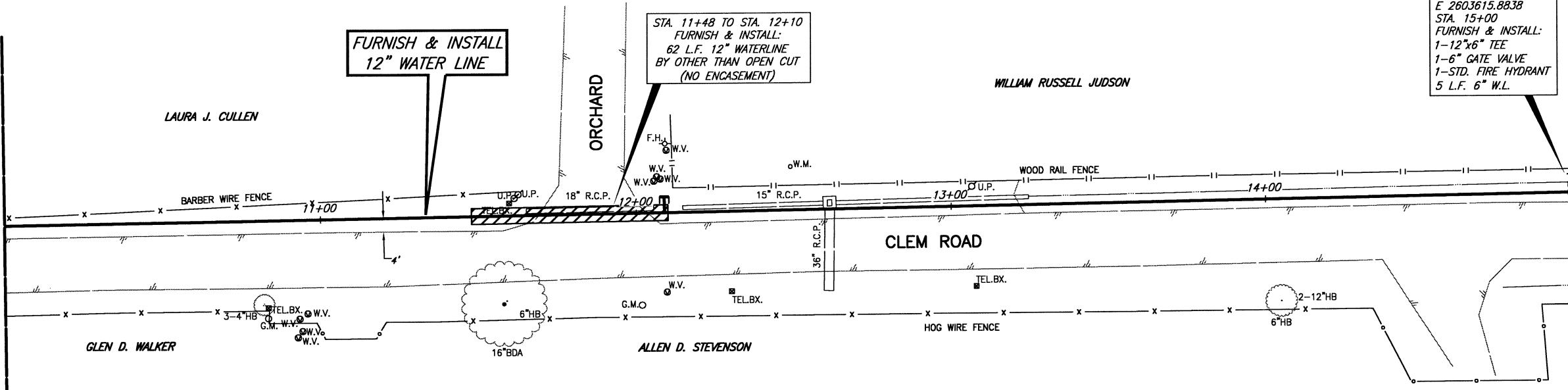
105 L.F. 12" W.L.
BY OPEN CUT W/ CLASS
B-4 EMBEDMENT

75 L.F. 12" W.L.
BY OTHER THAN
OPEN CUT
(NO ENCASEMENT)

320 L.F. 12" W.L.
BY OPEN CUT W/ CLASS
B-4 EMBEDMENT

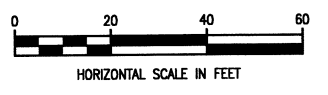
<p>FIELD CHANGE: REVISED WATER ALIGNMENT</p>	<p>BIRKHOFF, HENDRICKS & CONWAY, L.L.P. CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900 TEXAS FIRM: F526</p>		<p>CITY OF ROCKWALL, TEXAS CLEM ROAD 12" WATER LINE LINE "D" PLAN & PROFILE SHEET STA. 5+00 TO 10+00</p>	<p>BHC PROJECT NO. 2007-131 July, 2009</p>	<p>SHEET NO. 24</p>
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MATCH LINE STA. 10+00
N 7035200.3470, E 2603115.9502



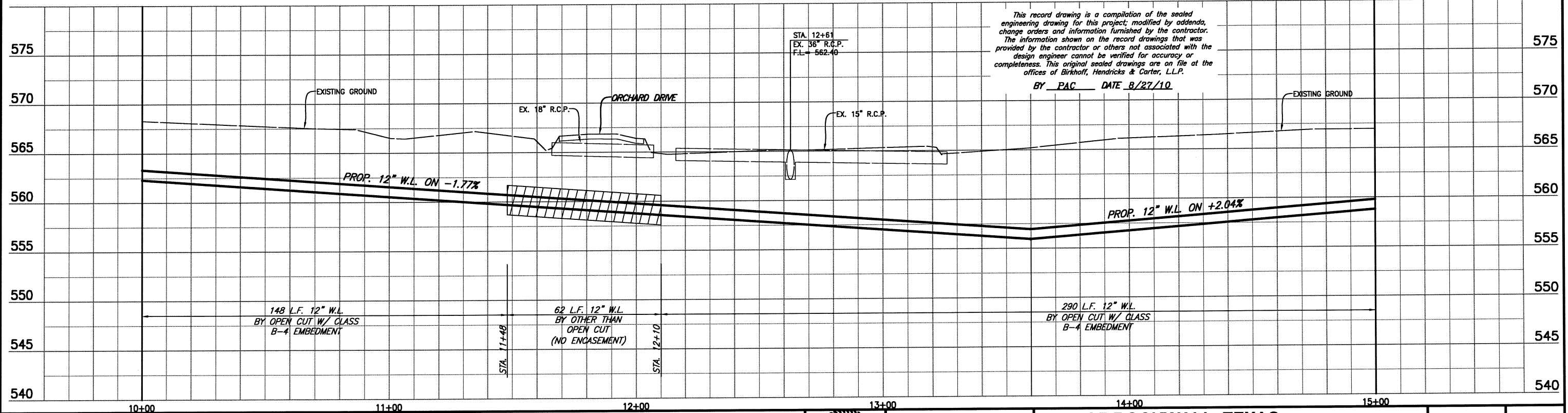
N 7035208.4936
E 2603615.8838
STA. 15+00
FURNISH & INSTALL:
1-12"x6" TEE
1-6" GATE VALVE
1-STD. FIRE HYDRANT
5 L.F. 6" W.L.

MATCH LINE STA. 15+00
N 7035208.4936, E 2603615.8838



CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.

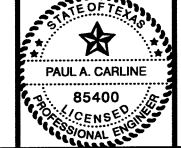
X DENOTES TREE REMOVAL



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BY PAC DATE 8/27/10

FIELD CHANGE: REVISED WATER ALIGNMENT

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
11910 Greenville Ave., Suite 600
Dallas, Texas
(214) 361-7900
TEXAS FIRM: F526



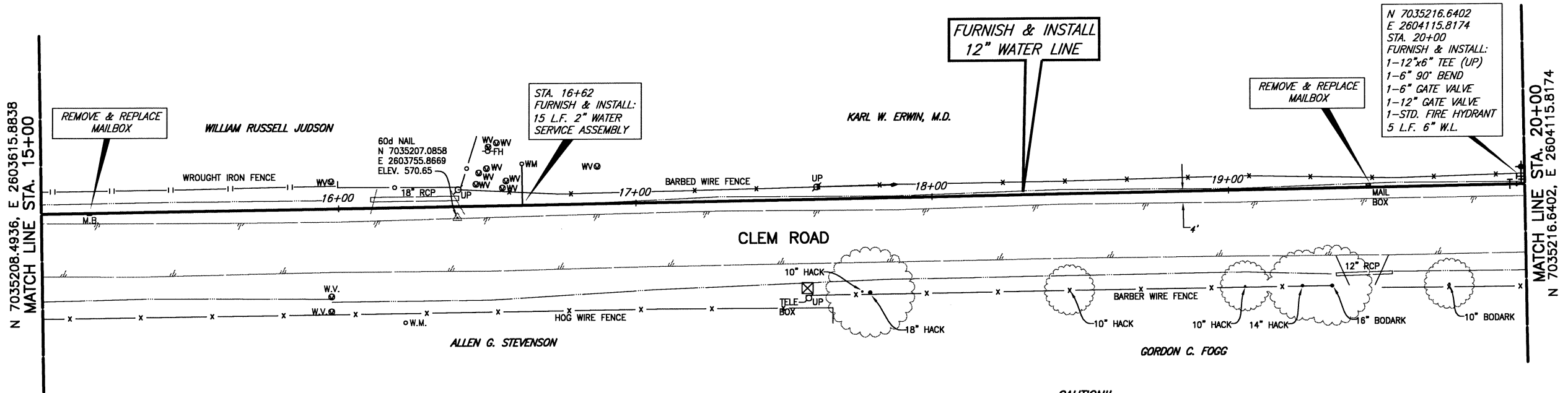
[Signature]
7/10/09

CITY OF ROCKWALL, TEXAS
CLEM ROAD 12" WATER LINE
LINE "D" PLAN & PROFILE SHEET
STA. 10+00 TO 15+00

BHC PROJECT NO. 2007-131	SHEET NO. 25
July, 2009	

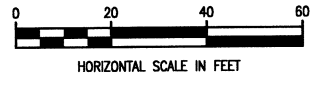
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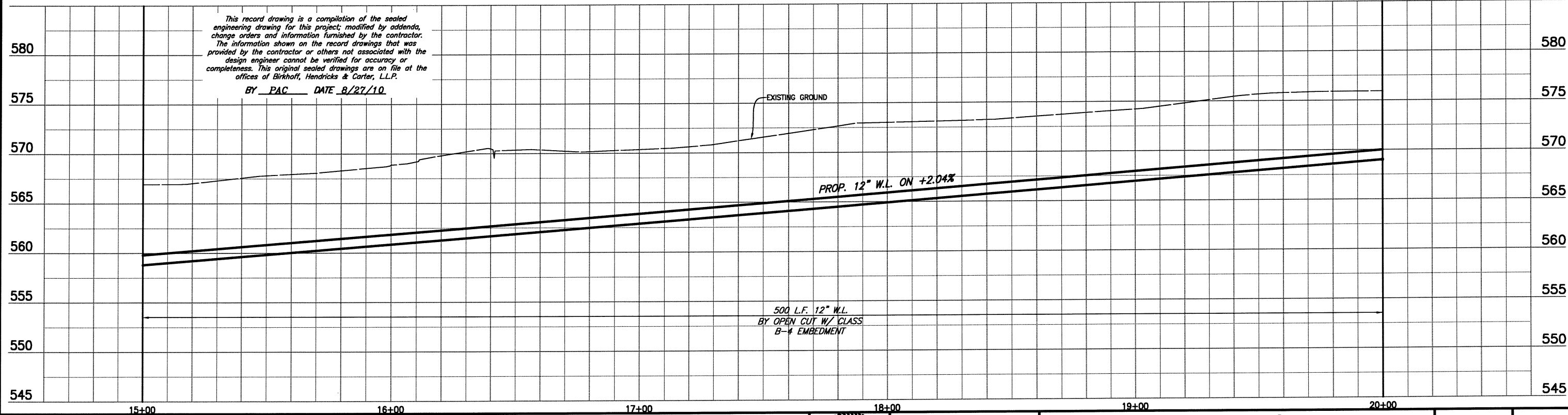


X DENOTES TREE REMOVAL

CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.

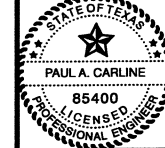


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 BY PAC DATE 8/27/10



FIELD CHANGE: REVISED WATER ALIGNMENT

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 CONSULTING ENGINEERS
 11910 Greenville Ave., Suite 600
 Dallas, Texas
 (214) 361-7900
 TEXAS FIRM: F526

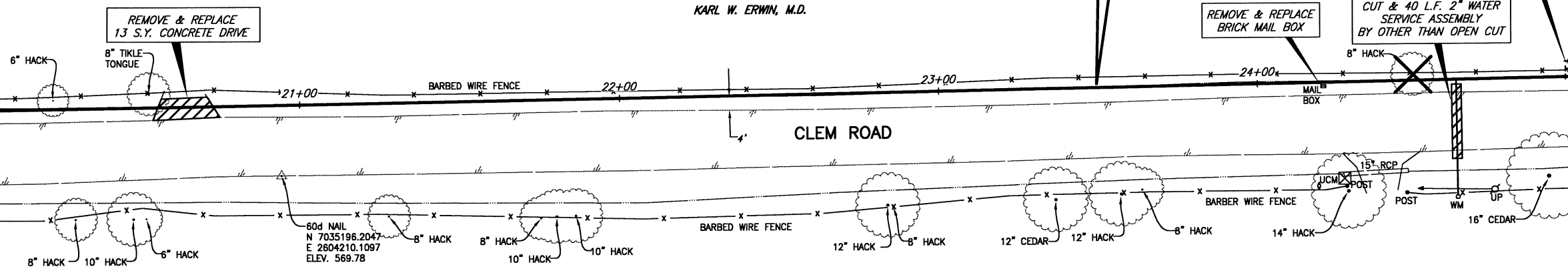


[Signature]
 7/10/09

CITY OF ROCKWALL, TEXAS
 CLEM ROAD 12" WATER LINE
 LINE "D" PLAN & PROFILE SHEET
 STA. 15+00 TO 20+00

BHC PROJECT NO. 2007-131	SHEET NO. 26
July, 2009	

N 7035216.6402, E 2604115.8174
MATCH LINE STA. 20+00



KARL W. ERWIN, M.D.

GORDON C. FOGG

FURNISH & INSTALL
12" WATER LINE

REMOVE & REPLACE
BRICK MAIL BOX

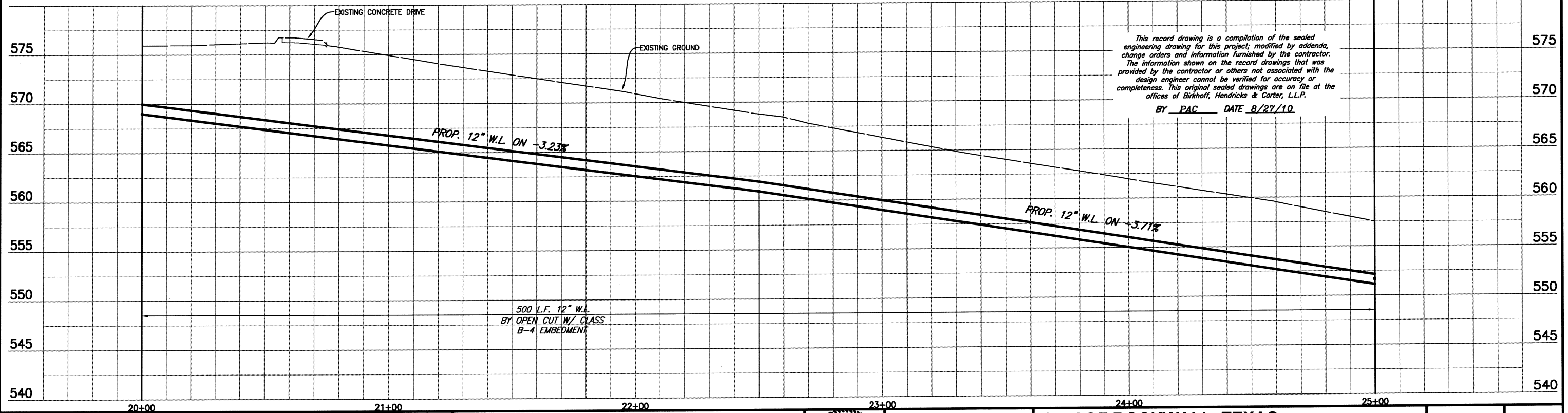
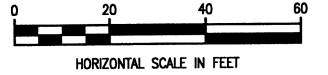
STA. 24+62
FURNISH & INSTALL:
13 L.F. 2" WATER BY OPEN
CUT & 40 L.F. 2" WATER
SERVICE ASSEMBLY
BY OTHER THAN OPEN CUT

N 7035224.7868
E 2604615.7511
STA. 25+00
FURNISH & INSTALL:
1-12"x6" TEE
1-6" GATE VALVE
1-STD. FIRE HYDRANT
5 L.F. 6" W.L.

MATCH LINE STA. 25+00
N 7035224.7868, E 2604615.7511

CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.

X DENOTES TREE REMOVAL



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BY PAC DATE 8/27/10

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FIELD CHANGE: REVISED WATER ALIGNMENT

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
11910 Greenville Ave., Suite 600
Dallas, Texas
(214) 361-7900
TEXAS FIRM: F526

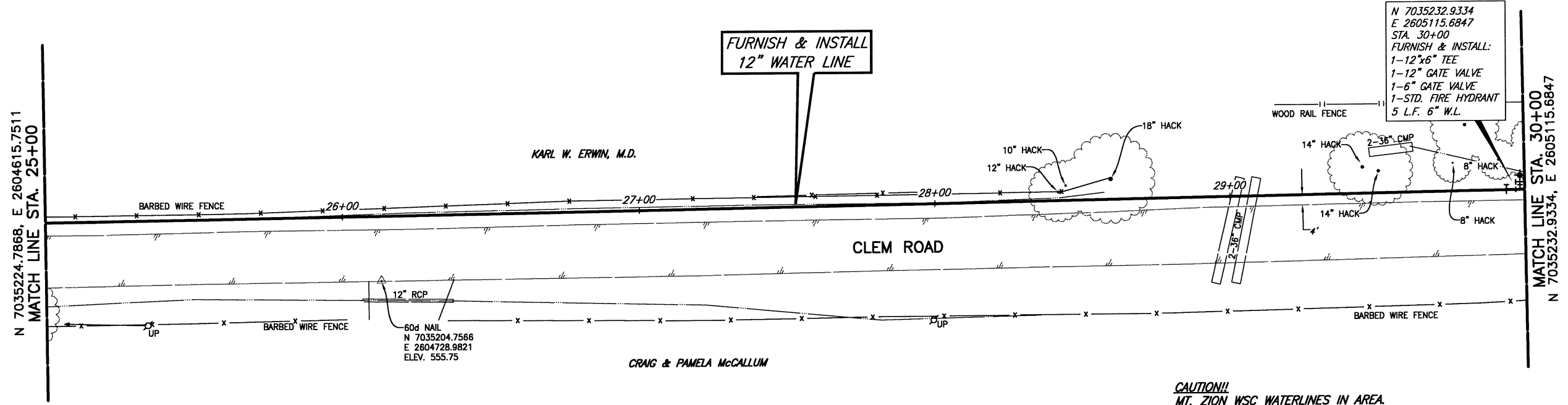


[Signature]
7/10/09

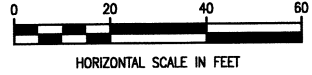
CITY OF ROCKWALL, TEXAS
CLEM ROAD 12" WATER LINE
LINE "D" PLAN & PROFILE SHEET
STA. 20+00 TO 25+00

BHC PROJECT NO. 2007-131	SHEET NO. 27
July, 2009	

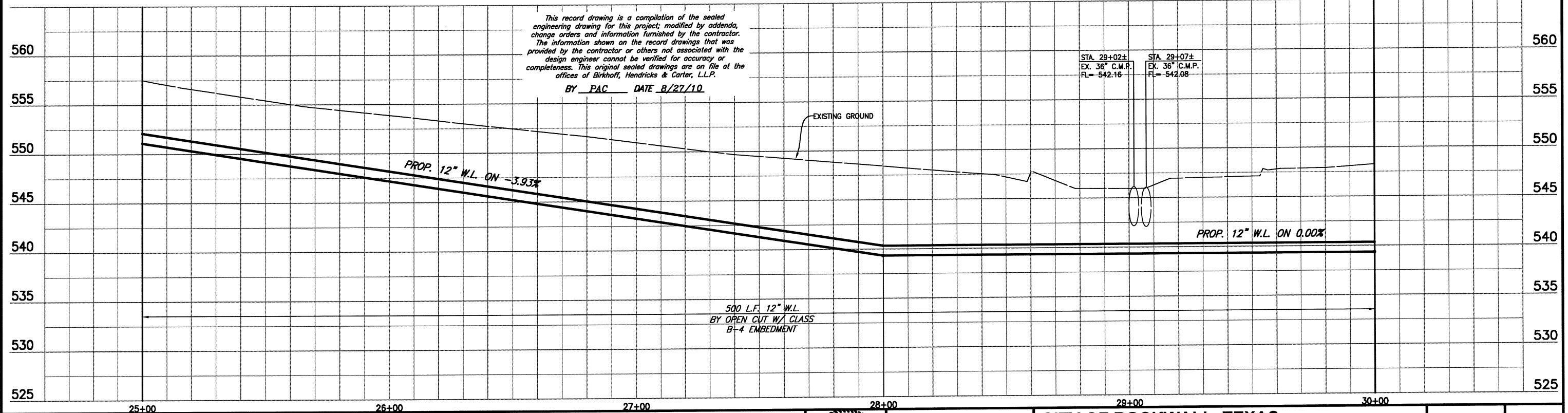
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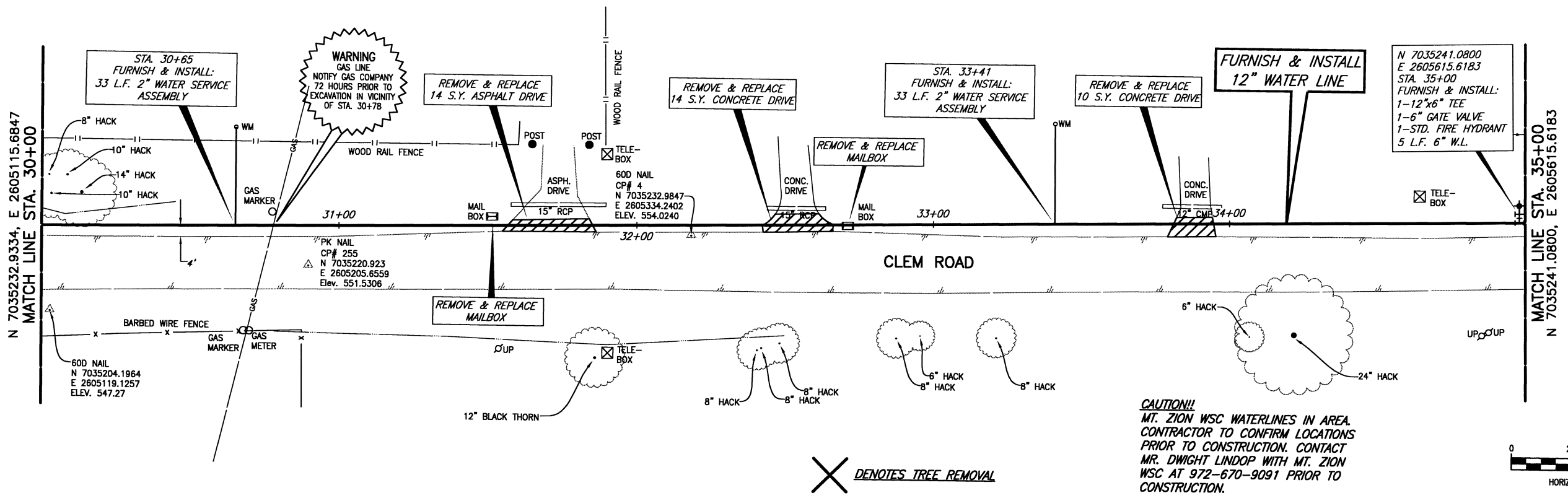
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.



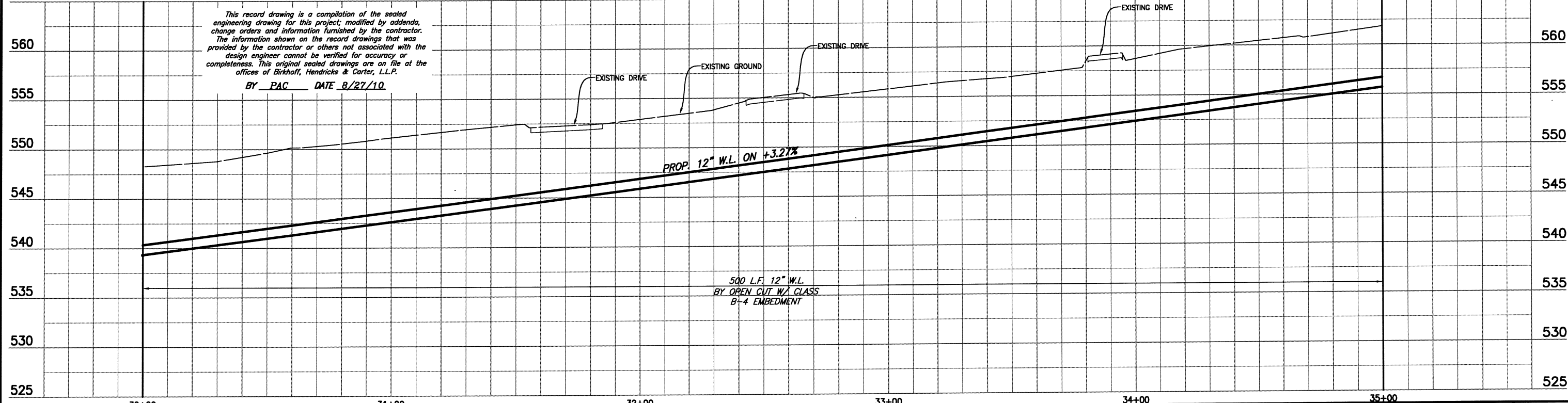
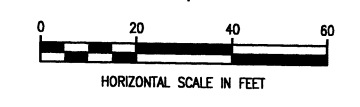
X DENOTES TREE REMOVAL



<p>FIELD CHANGE: REVISED WATER ALIGNMENT</p>	<p>BIRKHOFF, HENDRICKS & CONWAY, L.L.P. CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900 TEXAS FIRM: F526</p>			<p>CITY OF ROCKWALL, TEXAS CLEM ROAD 12" WATER LINE LINE "D" PLAN & PROFILE SHEET STA. 25+00 TO 30+00</p>	<p>BHC PROJECT NO. 2007-131 July, 2009</p>	<p>SHEET NO. 28</p>
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CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.

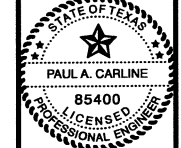


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 BY PAC DATE 8/27/10

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FIELD CHANGE: REVISED WATER ALIGNMENT

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 CONSULTING ENGINEERS
 11910 Greenville Ave., Suite 600
 Dallas, Texas
 (214) 361-7900
 TEXAS FIRM: F526

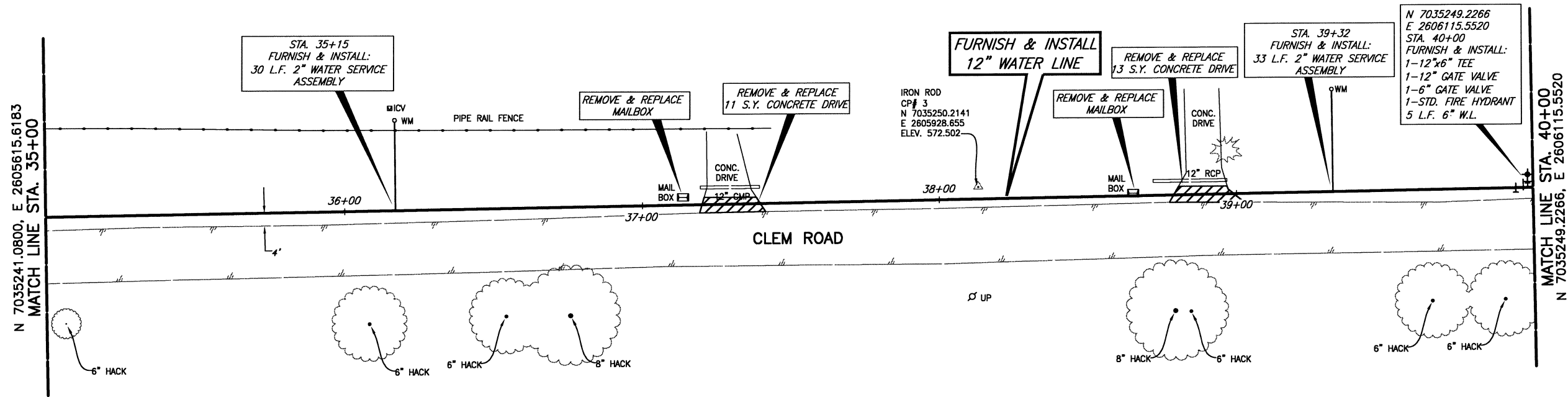


[Signature]
 7/19/09

CITY OF ROCKWALL, TEXAS
 CLEM ROAD 12" WATER LINE
 LINE "D" PLAN & PROFILE SHEET
 STA. 30+00 TO 35+00

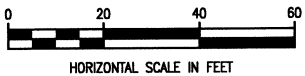
BHC PROJECT NO. 2007-131	SHEET NO. 29
July, 2009	

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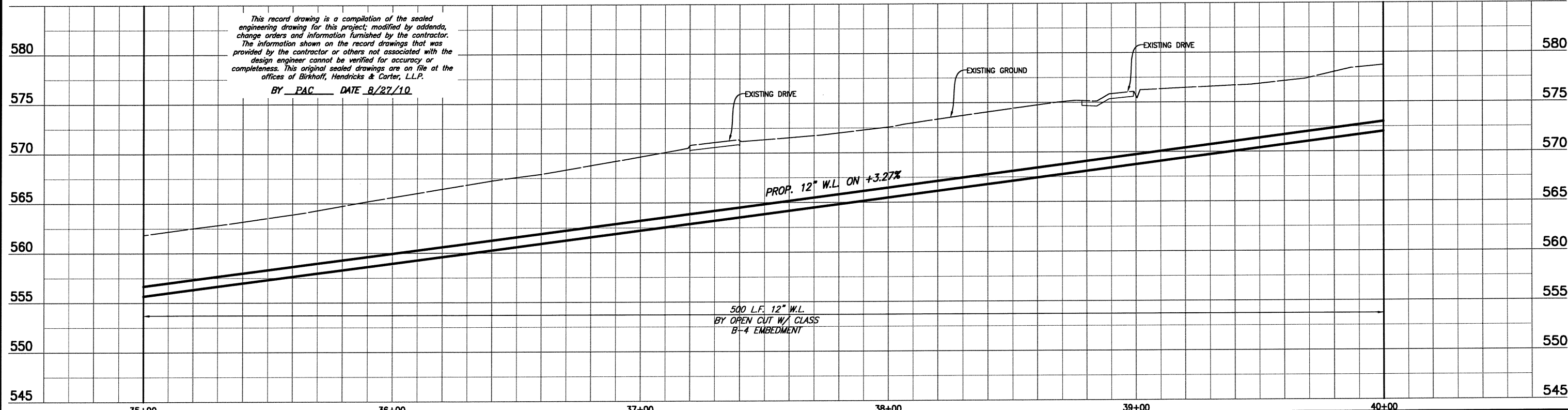


X DENOTES TREE REMOVAL

CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.

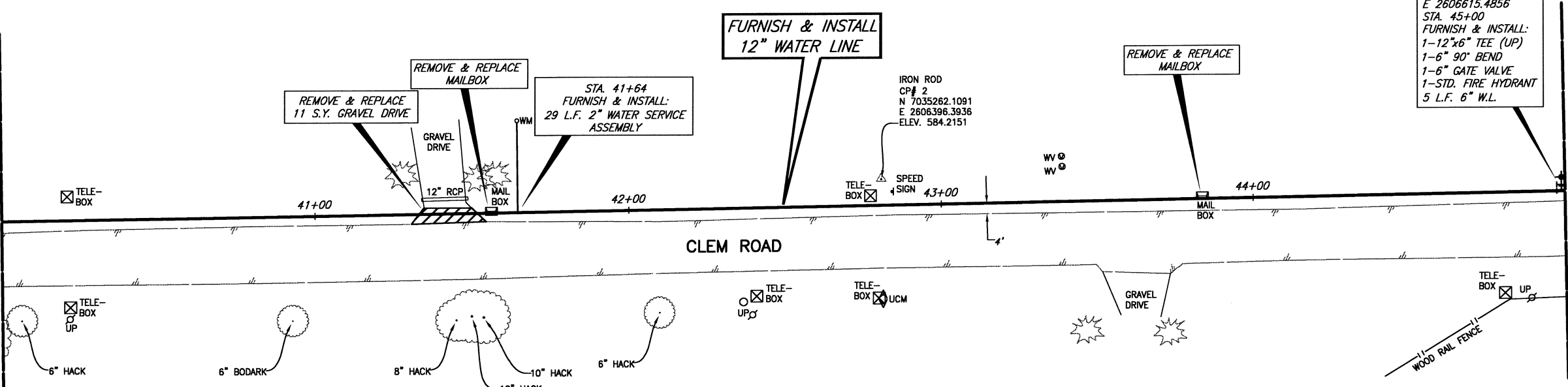


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 BY PAC DATE 8/27/10



<p>FIELD CHANGE: REVISED WATER ALIGNMENT</p>	<p>BIRKHOFF, HENDRICKS & CONWAY, L.L.P. CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900 TEXAS FIRM: F526</p>			<p>CITY OF ROCKWALL, TEXAS CLEM ROAD 12" WATER LINE LINE "D" PLAN & PROFILE SHEET STA. 35+00 TO 40+00</p>	<p>BHC PROJECT NO. 2007-131 July, 2009</p>	<p>SHEET NO. 30</p>
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N 7035249.2266, E 2606115.5520
MATCH LINE STA. 40+00



N 7035257.3732
E 2606615.4856
STA. 45+00
FURNISH & INSTALL:
1-12"x6" TEE (UP)
1-6" 90° BEND
1-6" GATE VALVE
1-STD. FIRE HYDRANT
5 L.F. 6" W.L.

MATCH LINE STA. 45+00
N 7035257.3732, E 2606615.4856

FURNISH & INSTALL
12" WATER LINE

STA. 41+64
FURNISH & INSTALL:
29 L.F. 2" WATER SERVICE
ASSEMBLY

IRON ROD
CP# 2
N 7035262.1091
E 2606396.3936
ELEV. 584.2151

REMOVE & REPLACE
MAILBOX

REMOVE & REPLACE
11 S.Y. GRAVEL DRIVE

REMOVE & REPLACE
MAILBOX

MAIL
BOX

CLEM ROAD

TELE-
BOX

TELE-
BOX

6" HACK

6" BODARK

8" HACK

10" HACK

10" HACK

6" HACK

TELE-
BOX

TELE-
BOX

UCM

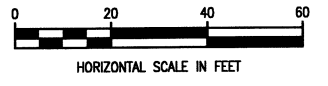
GRAVEL
DRIVE

TELE-
BOX

UP

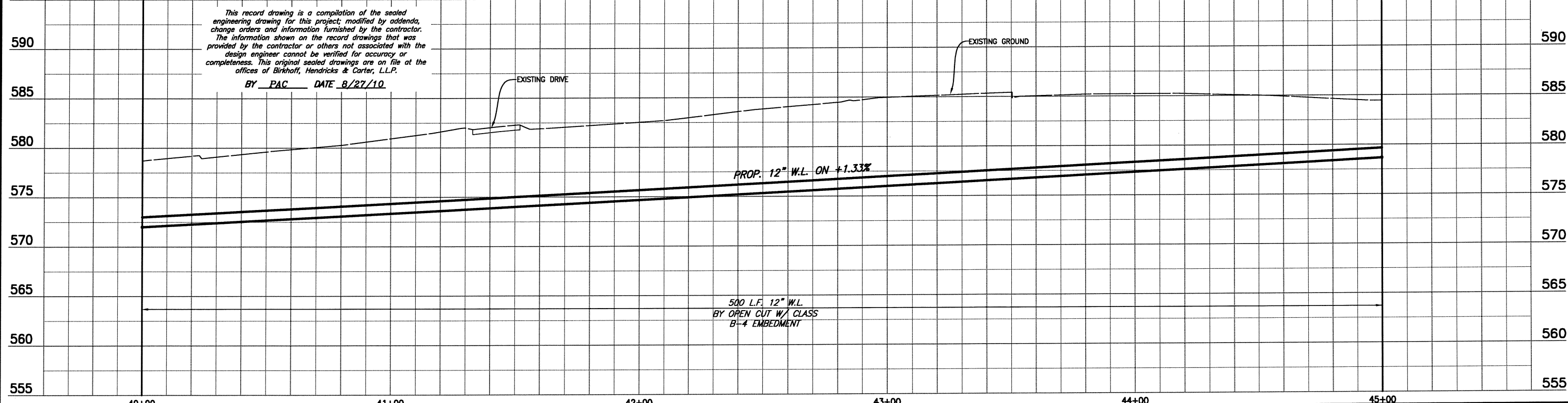
WOOD RAIL FENCE

CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.



X DENOTES TREE REMOVAL

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BY PAC DATE 8/27/10

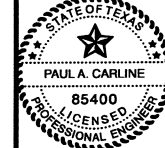


PROP. 12" W.L. ON +1.33%

500 L.F. 12" W.L.
BY OPEN CUT W/ CLASS
B-4 EMBEDMENT

FIELD CHANGE: REVISED WATER ALIGNMENT

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
11910 Greenville Ave., Suite 600
Dallas, Texas
(214) 361-7900
TEXAS FIRM: F526



[Signature]
7/10/09

CITY OF ROCKWALL, TEXAS
CLEM ROAD 12" WATER LINE
LINE "D" PLAN & PROFILE SHEET
STA. 40+00 TO 45+00

BHC
PROJECT NO.
2007-131
July, 2009

SHEET NO.
31

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**FURNISH & INSTALL
12" WATER LINE**

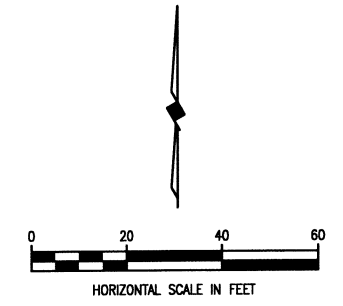
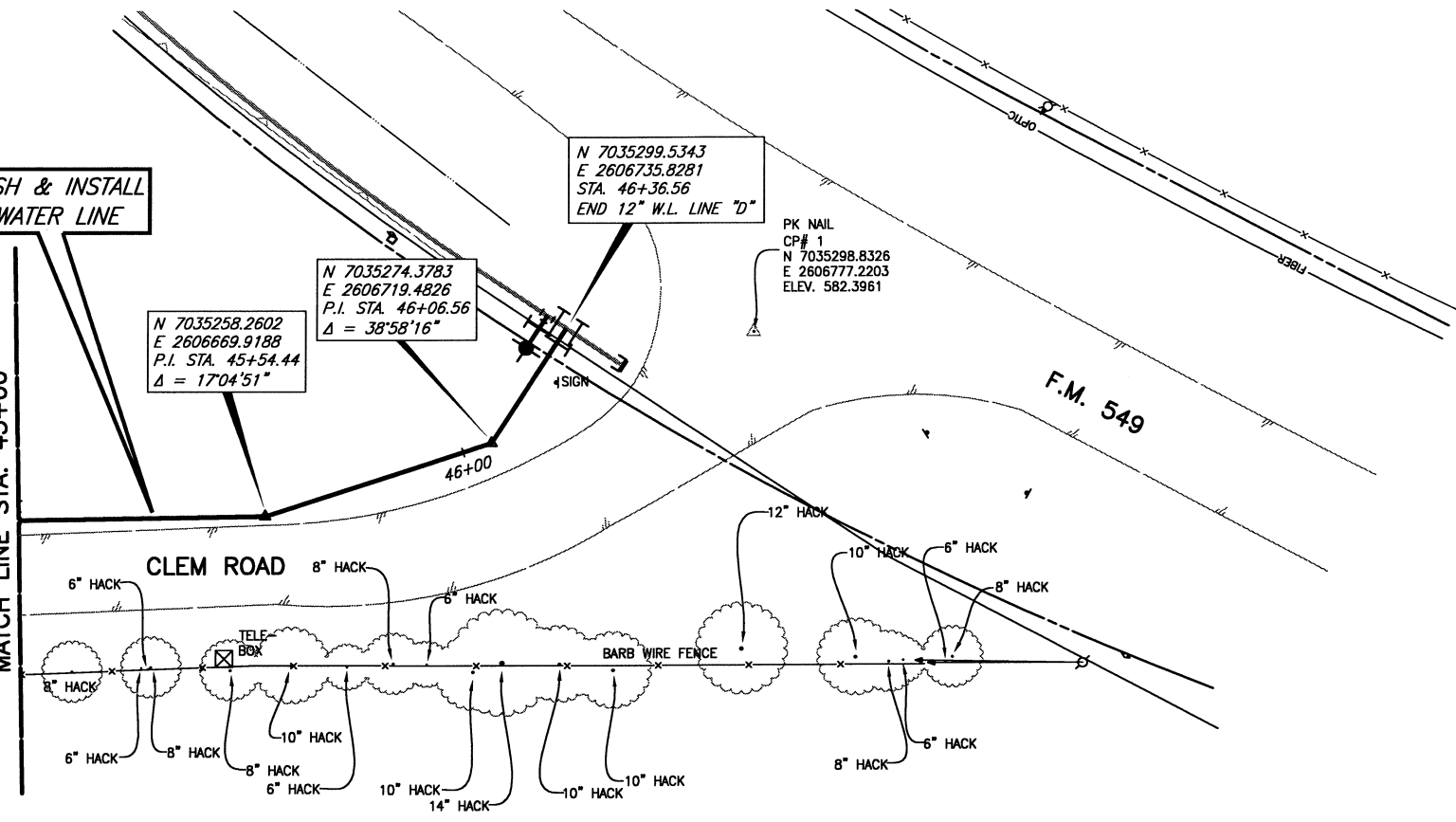
N 7035257.3732, E 2606615.4856
MATCH LINE STA. 45+00

N 7035258.2602
E 2606669.9188
P.I. STA. 45+54.44
Δ = 170°51"

N 7035274.3783
E 2606719.4826
P.I. STA. 46+06.56
Δ = 38°58'16"

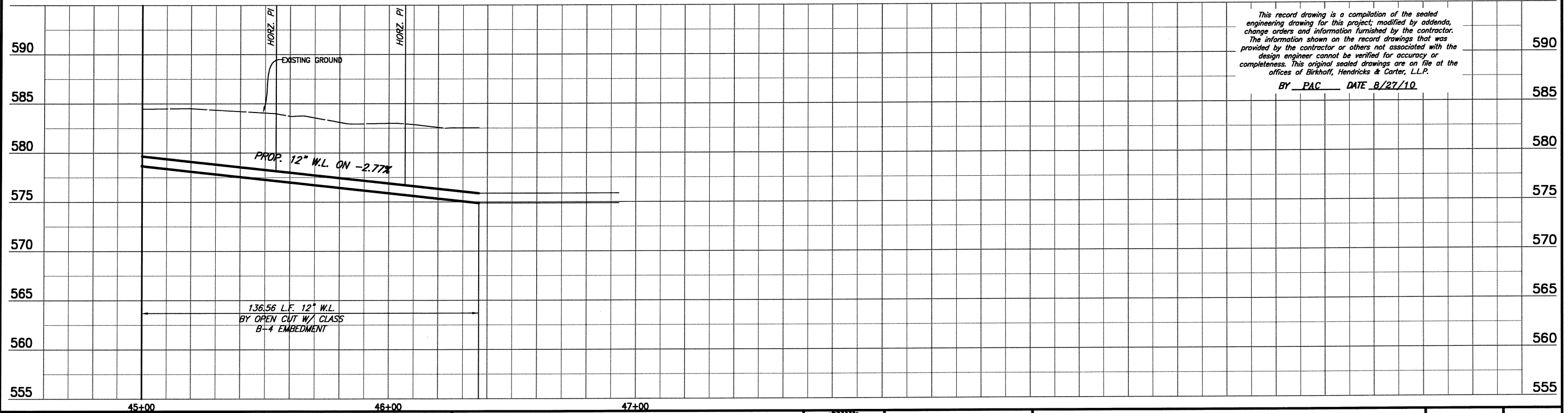
N 7035299.5343
E 2606735.8281
STA. 46+36.56
END 12" W.L. LINE "D"

PK NAIL
CP# 1
N 7035298.8326
E 2606777.2203
ELEV. 582.3961



X DENOTES TREE REMOVAL

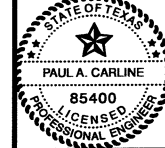
CAUTION!!
MT. ZION WSC WATERLINES IN AREA.
CONTRACTOR TO CONFIRM LOCATIONS
PRIOR TO CONSTRUCTION. CONTACT
MR. DWIGHT LINDOP WITH MT. ZION
WSC AT 972-670-9091 PRIOR TO
CONSTRUCTION.



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BY PAC DATE 8/27/10

FIELD CHANGE: REVISED WATER ALIGNMENT

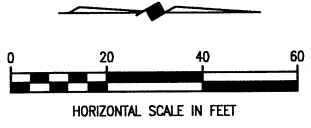
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
11910 Greenville Ave., Suite 600
Dallas, Texas
(214) 361-7900
TEXAS FIRM: F526



[Signature]
7/10/09

CITY OF ROCKWALL, TEXAS
CLEM ROAD 12" WATER LINE
LINE "D" PLAN & PROFILE SHEET
STA. 45+00 TO END

BHC PROJECT NO. 2007-131	SHEET NO. 32
July, 2009	



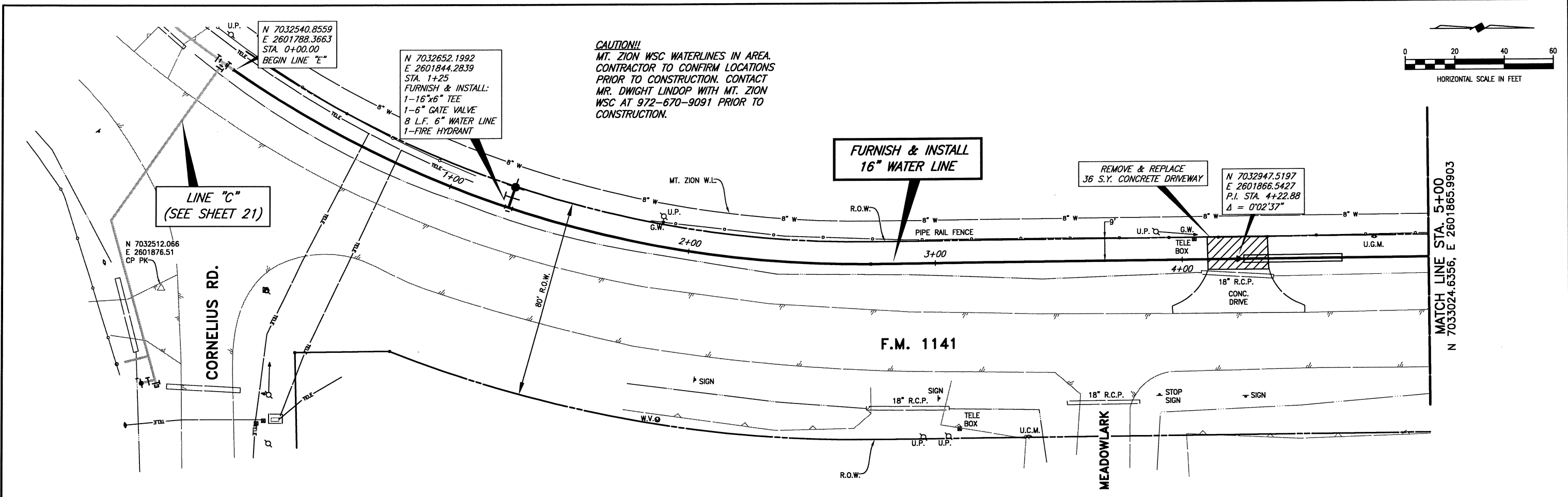
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.

N 7032652.1992
 E 2601844.2839
 STA. 1+25
 FURNISH & INSTALL:
 1-16"x6" TEE
 1-6" GATE VALVE
 8 L.F. 6" WATER LINE
 1-FIRE HYDRANT

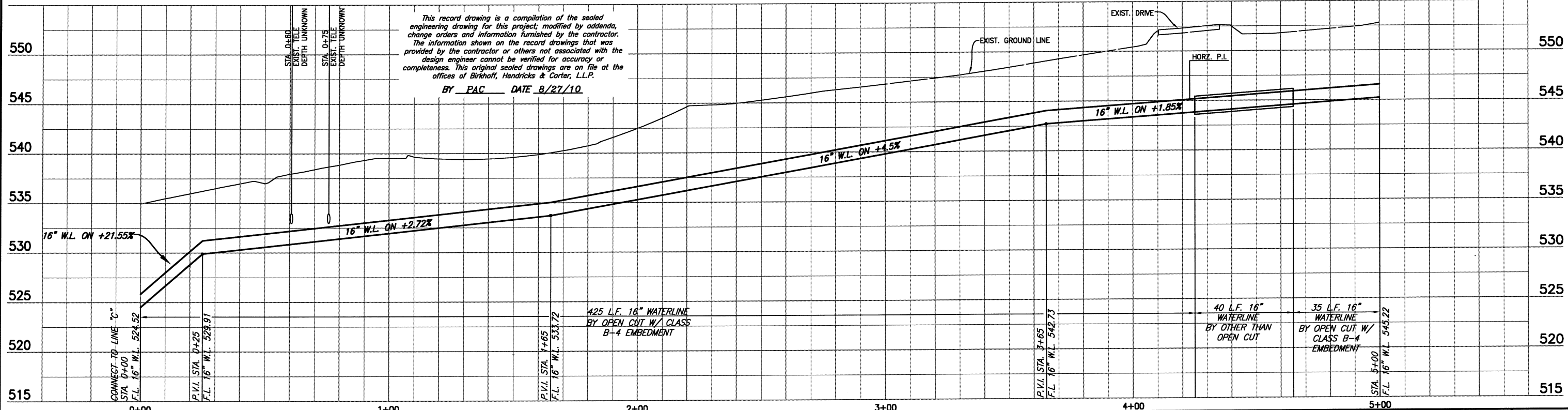
**FURNISH & INSTALL
 16" WATER LINE**

**REMOVE & REPLACE
 36 S.Y. CONCRETE DRIVEWAY**

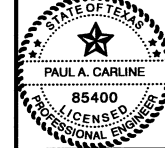
N 7032947.5197
 E 2601866.5427
 P.I. STA. 4+22.88
 $\Delta = 0'02'37"$



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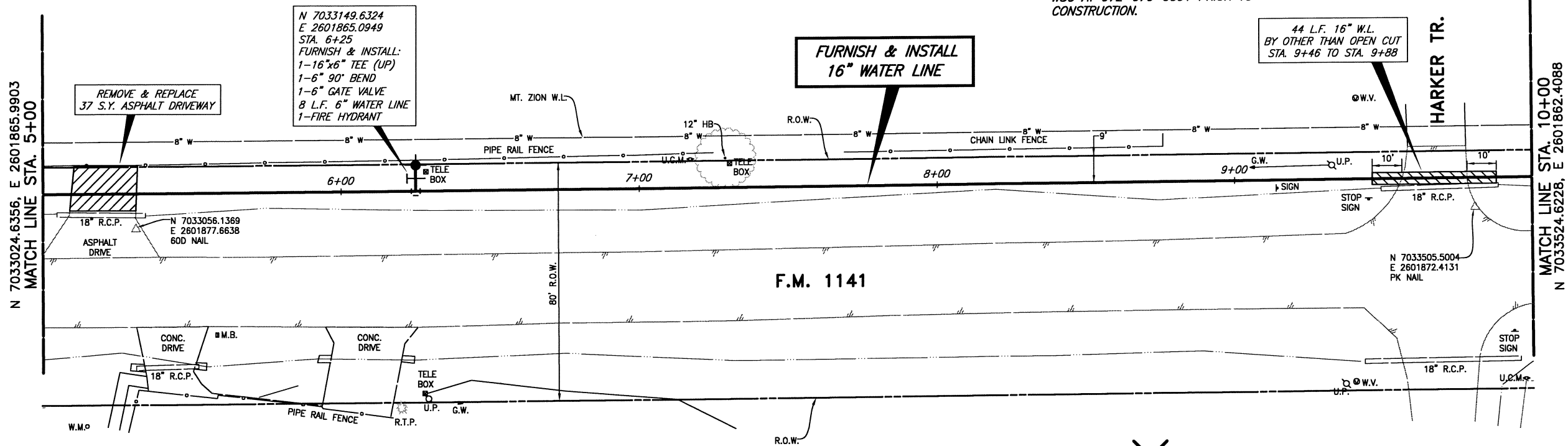
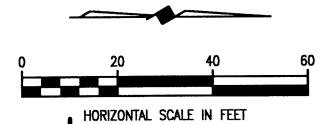
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 3/21/09

CITY OF ROCKWALL
 F.M. 1141 16" WATER LINE
 LINE "E" PLAN & PROFILE SHEET

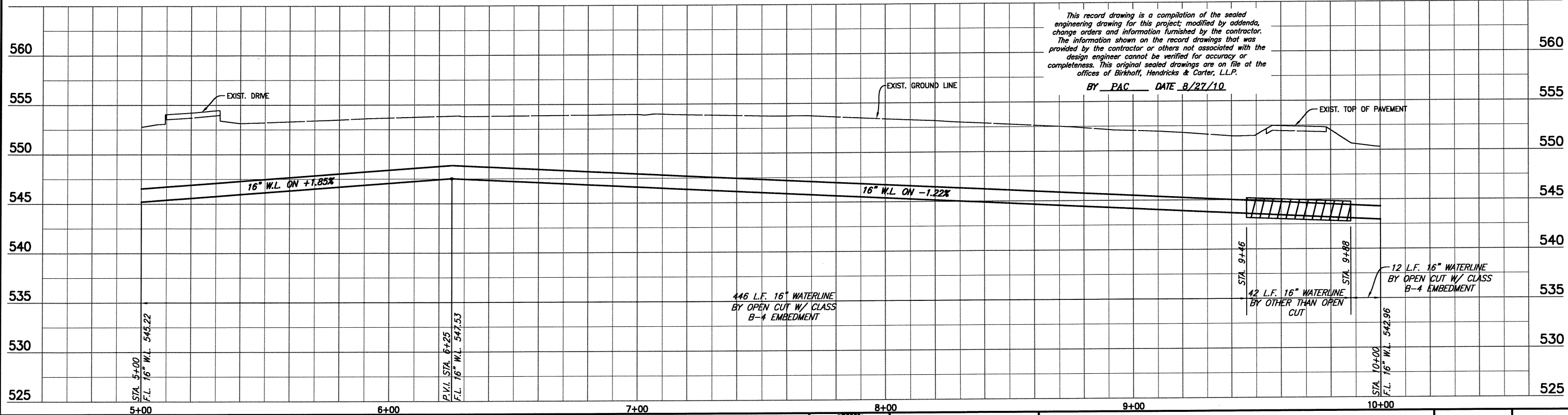
BHC
 PROJECT NO.
 2007-131
 SHEET NO.
33
 March, 2009

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CAUTION!!
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 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.



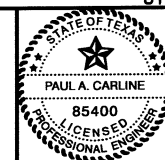
X DENOTES TREE REMOVAL



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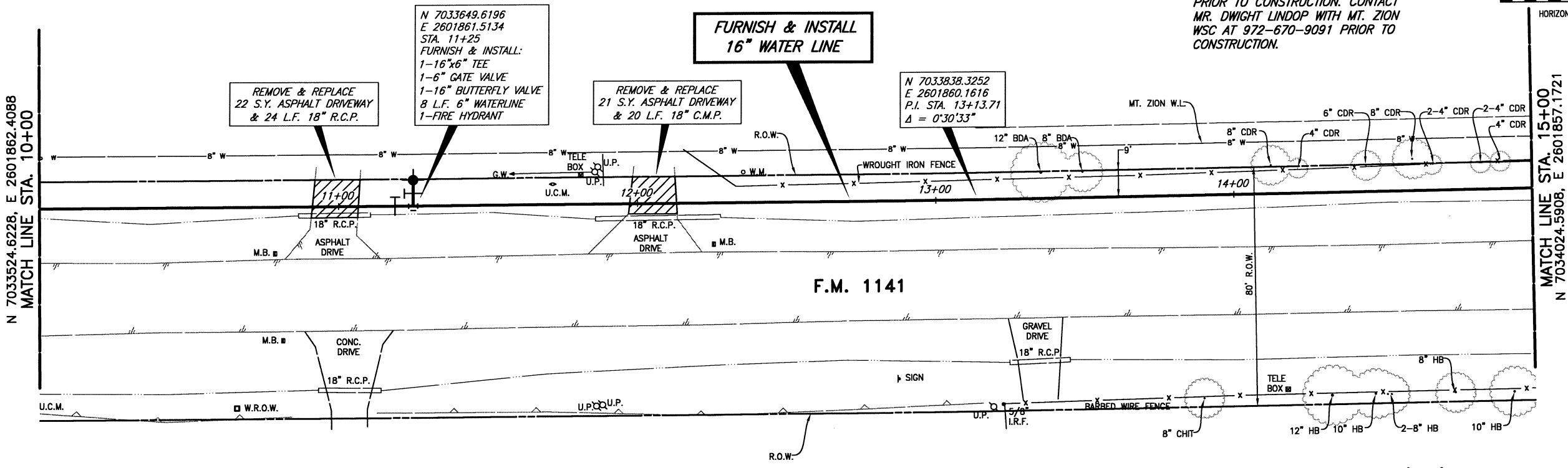
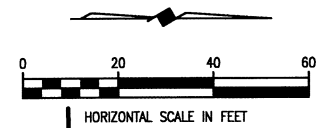


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 3/27/09

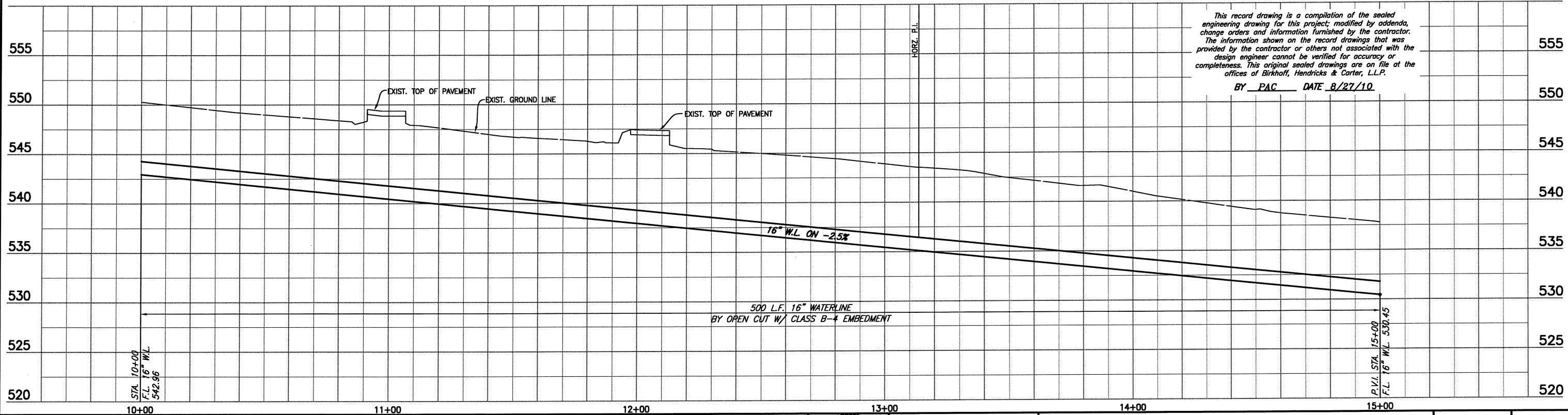
CITY OF ROCKWALL
 F.M. 1141 16" WATER LINE
 LINE "E" PLAN & PROFILE SHEET
 STA. 5+00 TO STA. 10+00

BHC
 PROJECT NO.
 2007-131
 SHEET NO.
34
 March, 2009

CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.



X DENOTES TREE REMOVAL

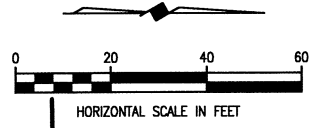


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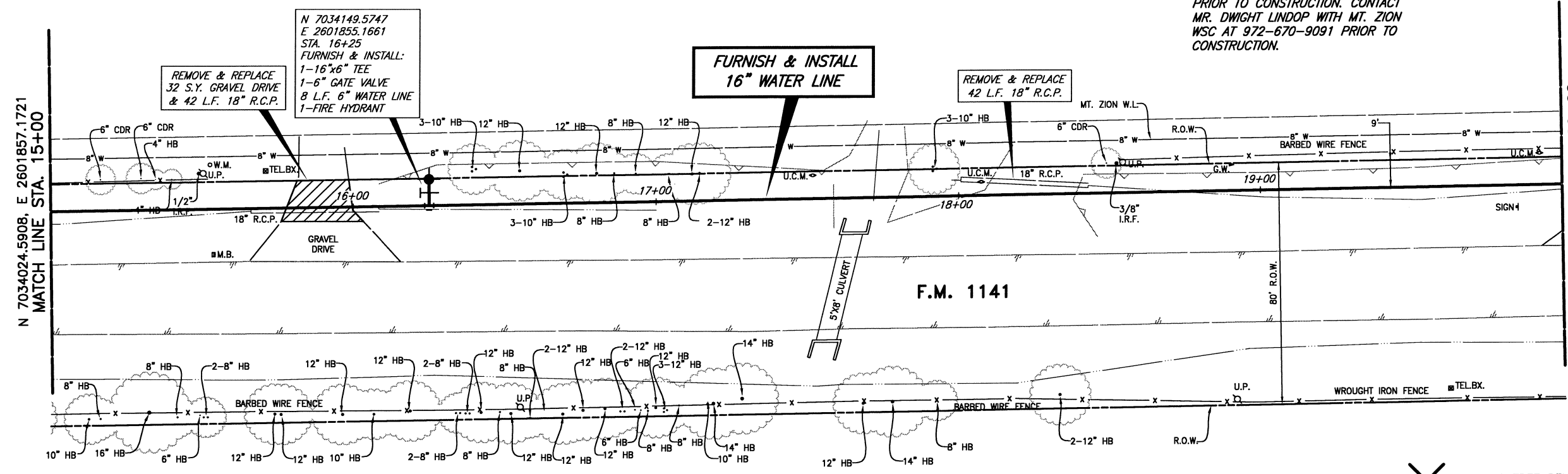
BY PAC DATE 8/27/10

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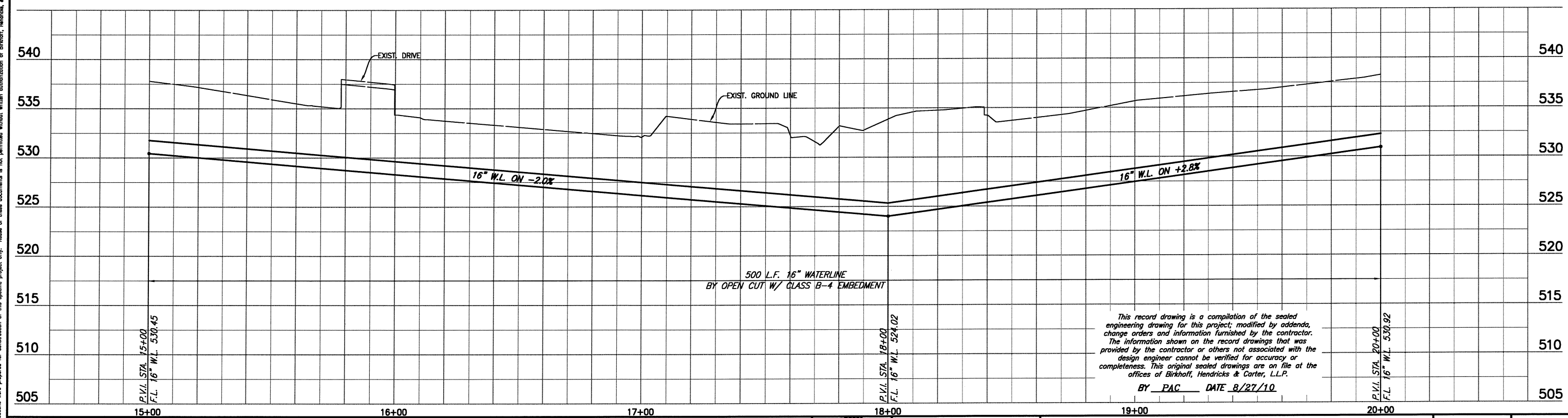
<p>BIRKHOFF, HENDRICKS & CONWAY, L.L.P. CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900</p>		<p>CITY OF ROCKWALL F.M. 1141 16" WATER LINE LINE "E" PLAN & PROFILE SHEET STA. 10+00 TO STA. 15+00</p>	<p>BHC PROJECT NO. 2007-131 March, 2009</p>	<p>SHEET NO. 35</p>
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CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.

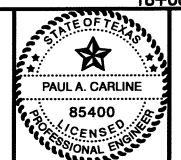


X DENOTES TREE REMOVAL



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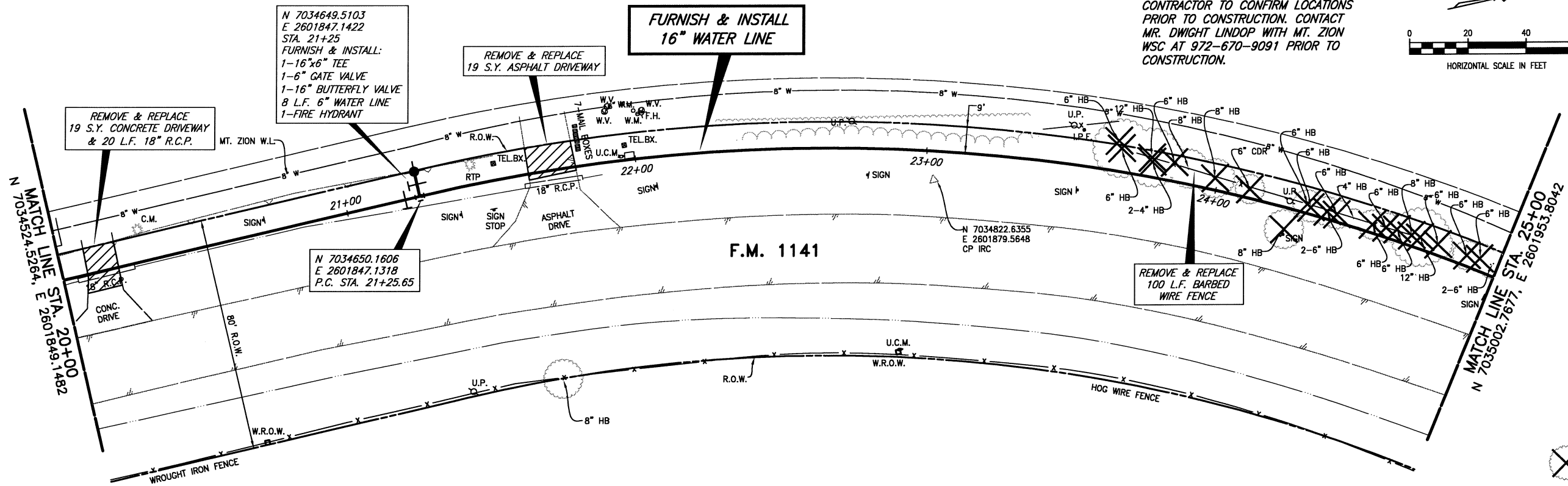
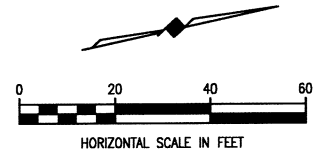
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 3/20/09

CITY OF ROCKWALL
 F.M. 1141 16" WATER LINE
 LINE "E" PLAN & PROFILE SHEET
 STA. 15+00 TO STA. 20+00

BHC
 PROJECT NO.
 2007-131
 March, 2009
 SHEET NO.
36

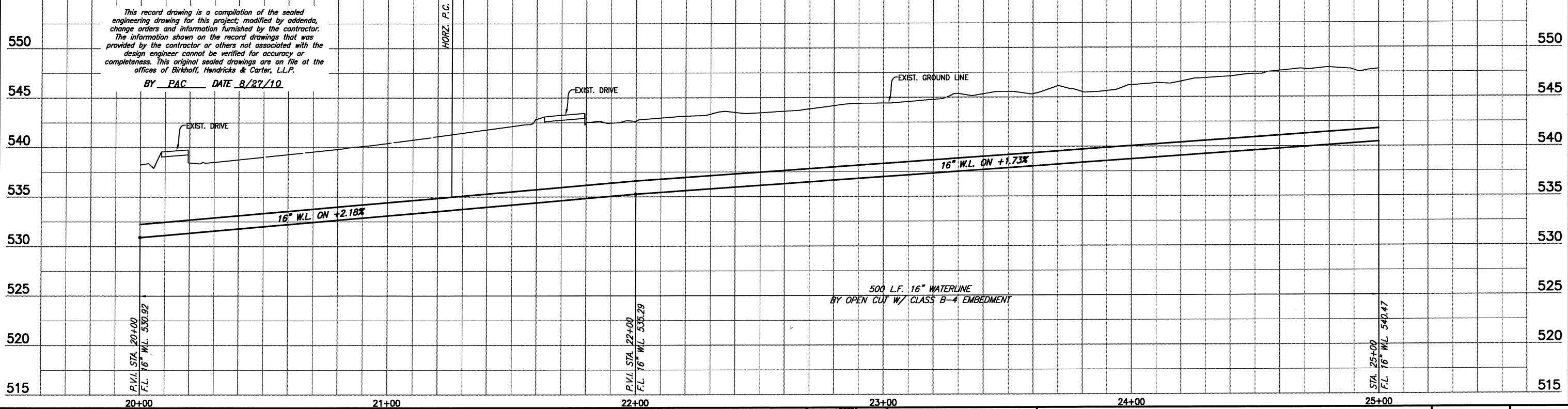
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CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.

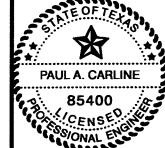


LEGEND
 REMOVE TREE
 (NO PAY ITEM)

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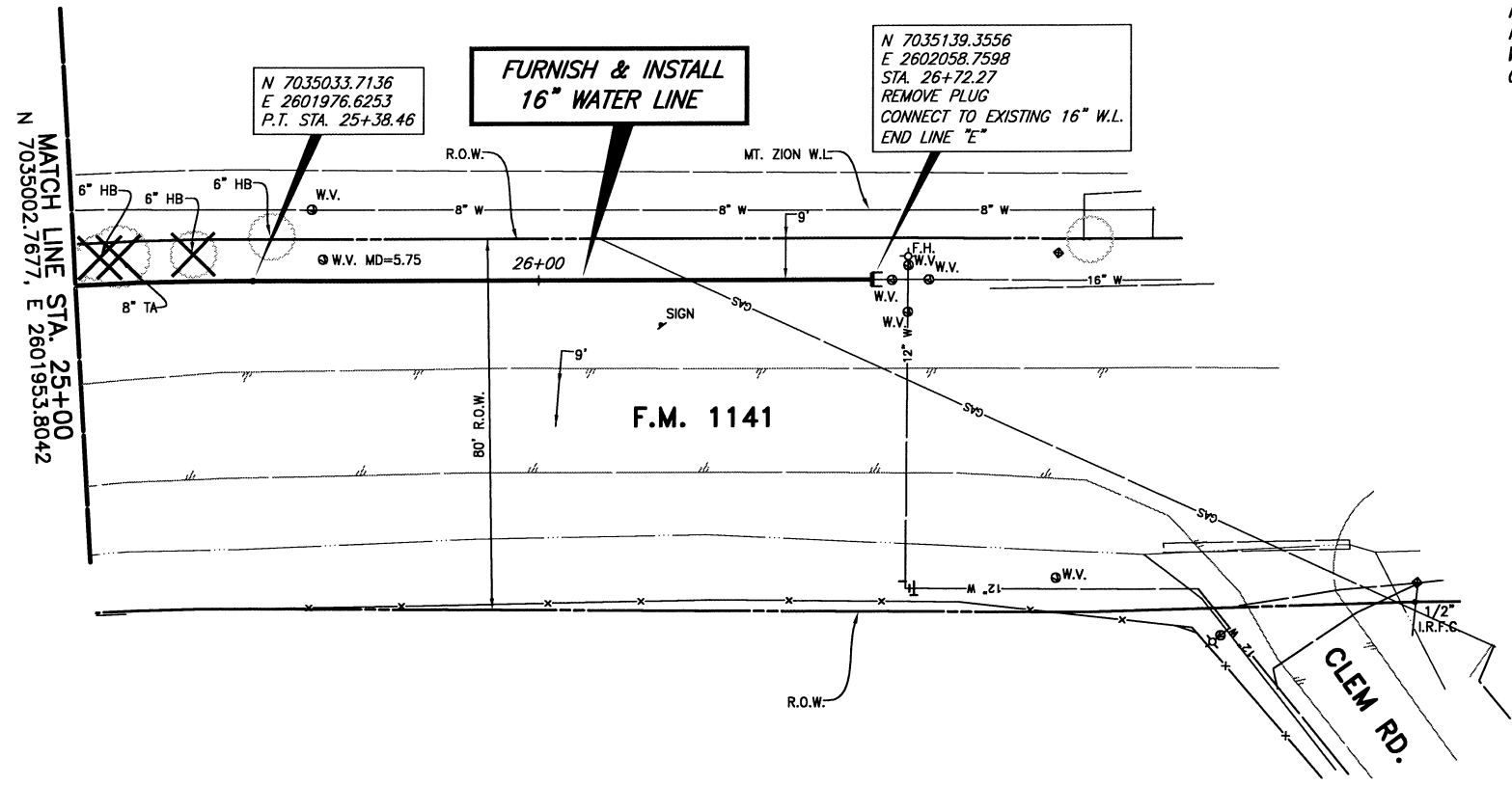
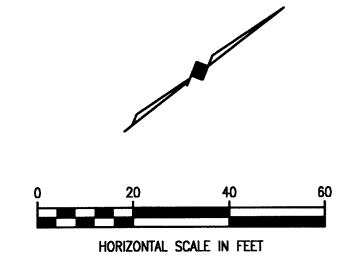
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 3/20/09

CITY OF ROCKWALL
 F.M. 1141 16" WATER LINE
 LINE "E" PLAN & PROFILE SHEET
 STA. 20+00 TO STA. 25+00

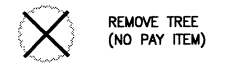
BHC
 PROJECT NO.
 2007-131
 SHEET NO.
37
 March, 2009

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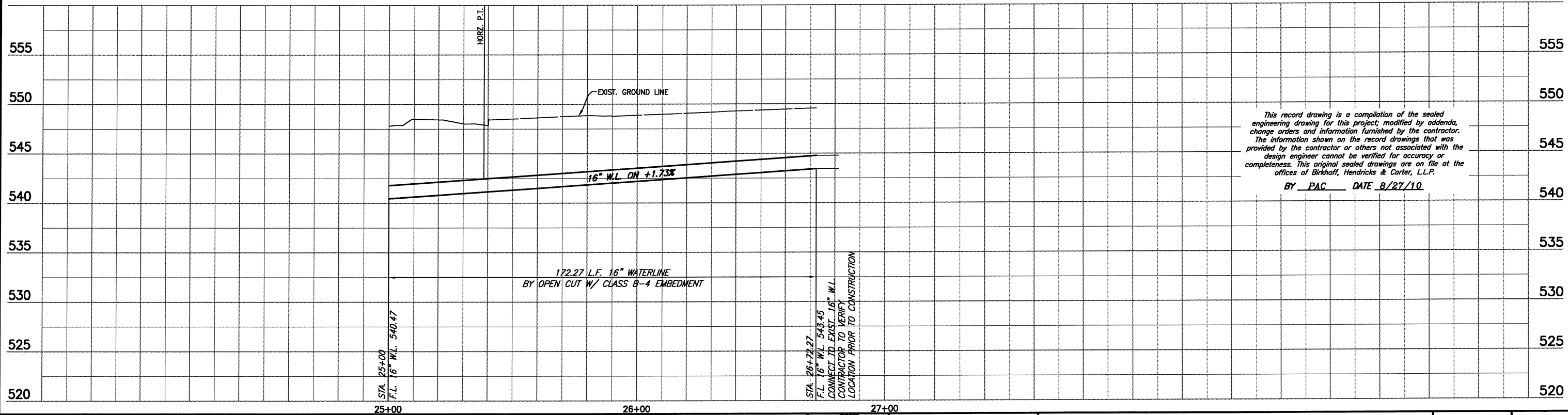
CAUTION!!
 MT. ZION WSC WATERLINES IN AREA.
 CONTRACTOR TO CONFIRM LOCATIONS
 PRIOR TO CONSTRUCTION. CONTACT
 MR. DWIGHT LINDOP WITH MT. ZION
 WSC AT 972-670-9091 PRIOR TO
 CONSTRUCTION.



LEGEND

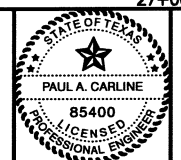


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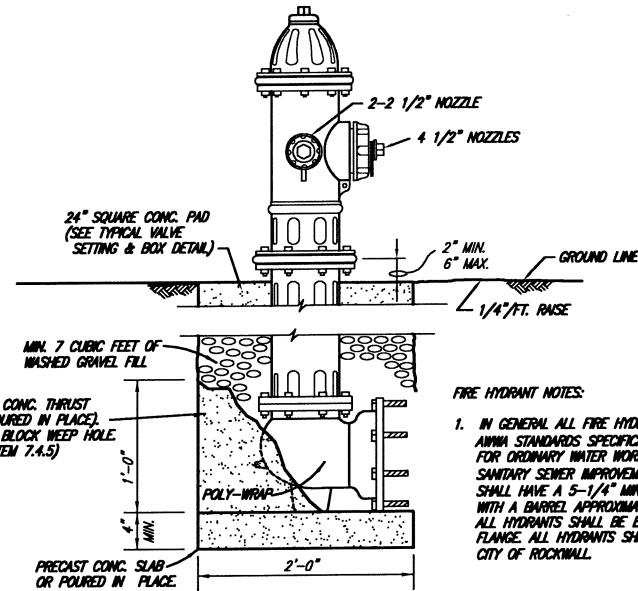
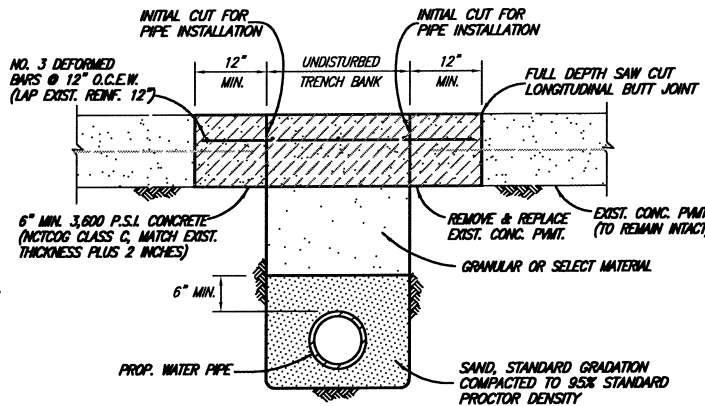
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 3/20/09

CITY OF ROCKWALL
 F.M. 1141 16" WATER LINE
 LINE "E" PLAN & PROFILE SHEET
 STA. 25+00 TO STA. 26+72.27

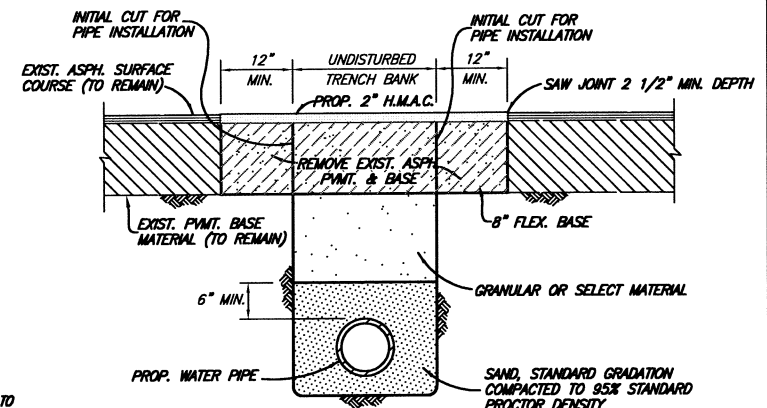
BHC
 PROJECT NO.
 2007-131
 SHEET NO.
38
 March, 2009

WATER LINE NOTES
(NOTES APPLY TO ALL SHEETS)

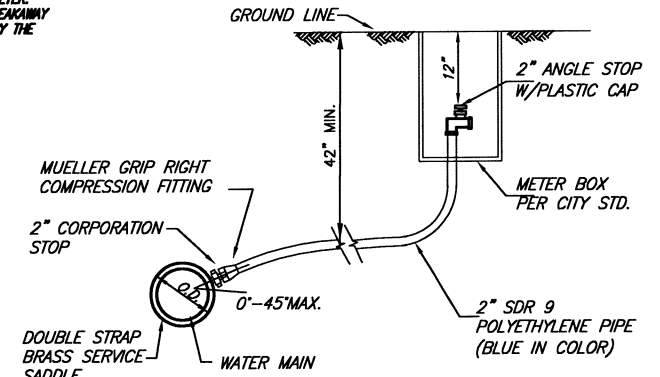
- 1) WATER LINES 6-INCHES TO 12-INCHES IN DIAMETER SHALL BE PVC AWWA C-900 DR-14, CLASS 200
- 2) WATER LINES 14-INCHES TO 24-INCHES IN DIAMETER SHALL BE PVC AWWA C-905 DR-18, CLASS 235
- 3) WATER LINES 36-INCHES IN DIAMETER SHALL BE PVC AWWA C-905 DR-25, CLASS 165
- 4) ALL WATER LINES HAVE A MINIMUM COVER OF 48-INCHES.
- 5) ALL TEES, BENDS, ELBOWS, PLUGS, AND OTHER FITTINGS SHALL BE RESTRAINED USING MEGA-LUGS OR APPROVED EQUAL. JOINT RESTRAINT SHALL BE SUCH TO RESTRAIN TEST PRESSURES.
- 6) EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION PROVIDED BY UTILITY COMPANIES AND FIELD SURVEYS. THE UTILITIES SHOWN MAY NOT REPRESENT ALL UTILITIES PRESENT. THE ENGINEER AND CITY OF ROCKWALL DO NOT ACCEPT RESPONSIBILITY FOR THE UTILITY LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BOTH HORIZONTALLY AND VERTICALLY PRIOR TO CONSTRUCTION AND SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ALL UTILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE AND SHALL REPAIR ANY UTILITIES DAMAGED BY THEIR OPERATIONS AT THEIR EXPENSE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS WITH UTILITIES.
- 7) ALL WORK SHALL COMPLY WITH APPLICABLE CODES, REGULATIONS, AND STANDARDS IMPOSED BY UTILITY COMPANIES AND THE CITY OF ROCKWALL.
- 8) CONTRACTOR SHALL FURNISH AND INSTALL BLUE E.M.T. MARKER PADS AT ALL BENDS, VALVES, CHANGES IN HORIZONTAL ALIGNMENT, AND EVERY 250- FEET ALONG THE LENGTH OF THE WATER LINE AS SHOWN IN THE CITY OF ROCKWALL STANDARD DETAILS. PAYMENT FOR FURNISHING AND INSTALLING THE E.M.T. MARKER PADS SHALL BE SUBSIDIARY TO WATER LINE INSTALLATION.
- 9) SEWER PRESSURE PIPE SHALL BE PVC, SDR 26 (180PSI PRESSURE RATING), ASTM D2241.
- 10) PAYMENT FOR DUCTILE IRON FITTINGS SHALL BE AT THE CONTRACT UNIT PRICE AS PROVIDED IN THE PROPOSAL AND BID SCHEDULE.
- 11) CONNECTIONS TO RCH WSC FACILITIES WILL BE PERMITTED WHEN APPROVED BY THE CITY OF ROCKWALL.
- 12) ALL VALVE STEM EXTENSIONS SHALL BE STAINLESS STEEL.
- 13) PAYMENT FOR BRACING OF UTILITY POLES REQUIRED FOR WATERLINE INSTALLATION SHALL BE SUBSIDIARY TO WATERLINE INSTALLATION.
- 14) EROSION CONTROL BLANKETS SHALL BE LANDLOK 450 AS MANUFACTURED BY PROPEX (214)701-9833.
- 15) CONTRACTOR SHALL REMOVE TREES INDICATED FOR REMOVAL (NO PAY ITEM).



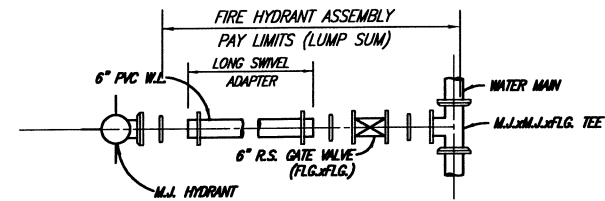
- FIRE HYDRANT NOTES:**
1. IN GENERAL ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARDS SPECIFICATIONS FOR FIRE HYDRANTS FOR ORDINARY WATER WORKS SERVICE FOR WATER AND SANITARY SEWER IMPROVEMENTS. FIRE HYDRANTS SHALL HAVE A 5-1/4" MINIMUM VALVE OPENING AND WITH A BARREL APPROXIMATELY 7" INSIDE DIAMETER. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE. ALL HYDRANTS SHALL BE APPROVED BY THE CITY OF ROCKWALL.



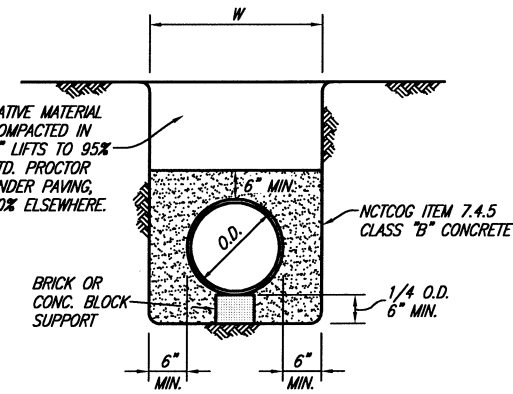
ASPHALT STREET OR DRIVEWAY REPAIR



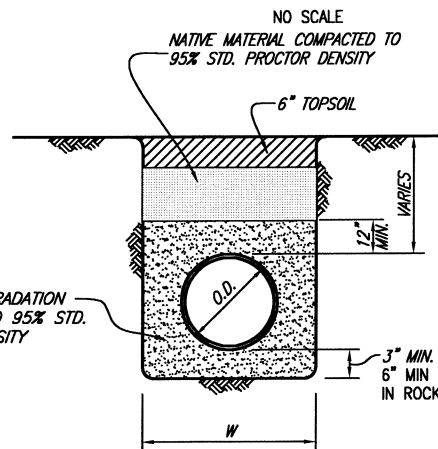
WATER SERVICE ASSEMBLY



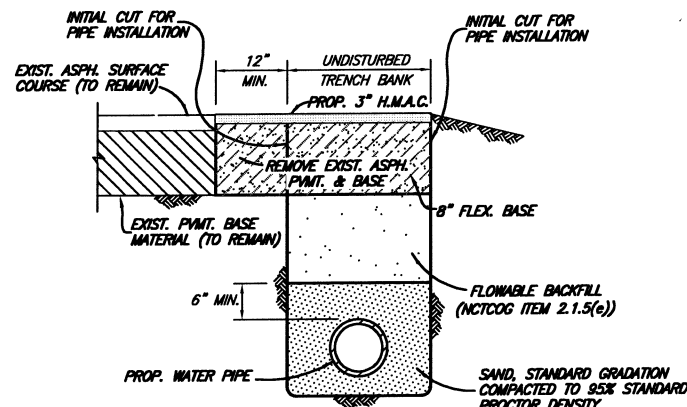
FIRE HYDRANT ASSEMBLY



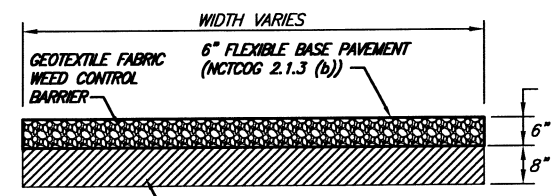
CLASS G EMBEDMENT
CONCRETE ENCASEMENT



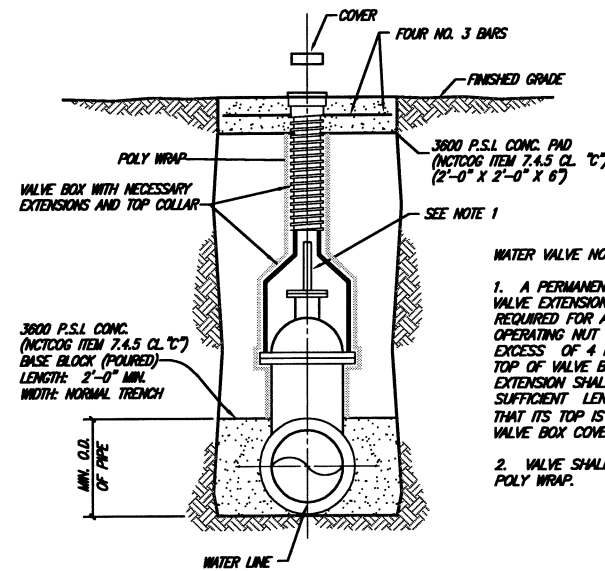
CLASS B-4 EMBEDMENT



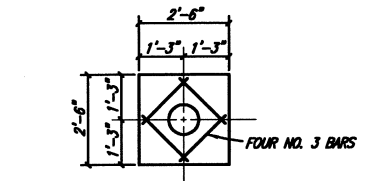
ASPHALT STREET OR DRIVEWAY REPAIR ALONG PAVEMENT EDGE



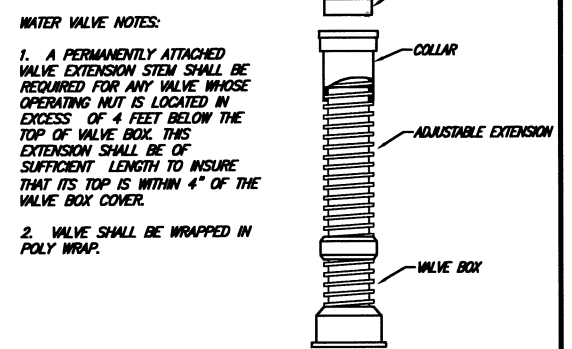
GRAVEL DRIVE REPAIR



GATE VALVE SETTING & BOX

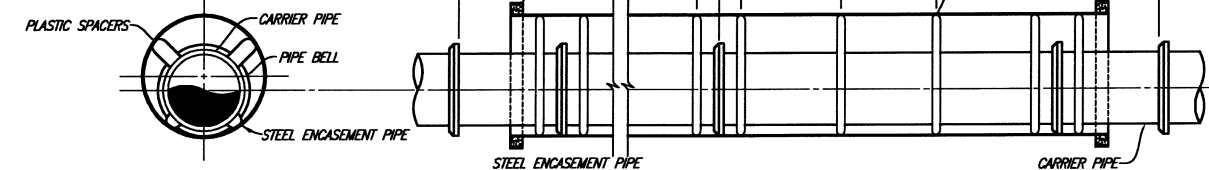


VALVE BOX PAD PLAN



VALVE BOX WITH EXTENSION

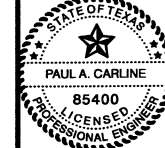
- BORING NOTES:**
1. PREFABRICATED PLASTIC SPACERS MUST BE APPROVED BY THE OWNER.
 2. CONTRACTOR SHALL PROVIDE SUPPORT UNDER CARRIER PIPE TO HAVE MIN. 1" CLEARANCE BETWEEN PIPE BELL AND ENCASEMENT PIPE.
 3. ENDS OF ENCASEMENT PIPE SHALL BE PLUGGED WITH BRICK AND MORTAR FOR ROADWAY CROSSINGS. PLUGS SHALL BE CONSTRUCTED WITH A WEEP HOLE.



ENCASED ROAD OR RAILROAD BORE USING PLASTIC SPACERS

FIELD CHANGE: REVISED WATER ALIGNMENT

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
11910 Greenville Ave., Suite 600
Dallas, Texas
(214) 361-7900
TEXAS FIRM: F526



3/17/09

CITY OF ROCKWALL, TEXAS
700 SERVICE AREA WATERLINE IMPROVEMENTS
NOTES AND DETAILS

BHC PROJECT NO. 2007-131
July, 2009
SHEET NO. 39