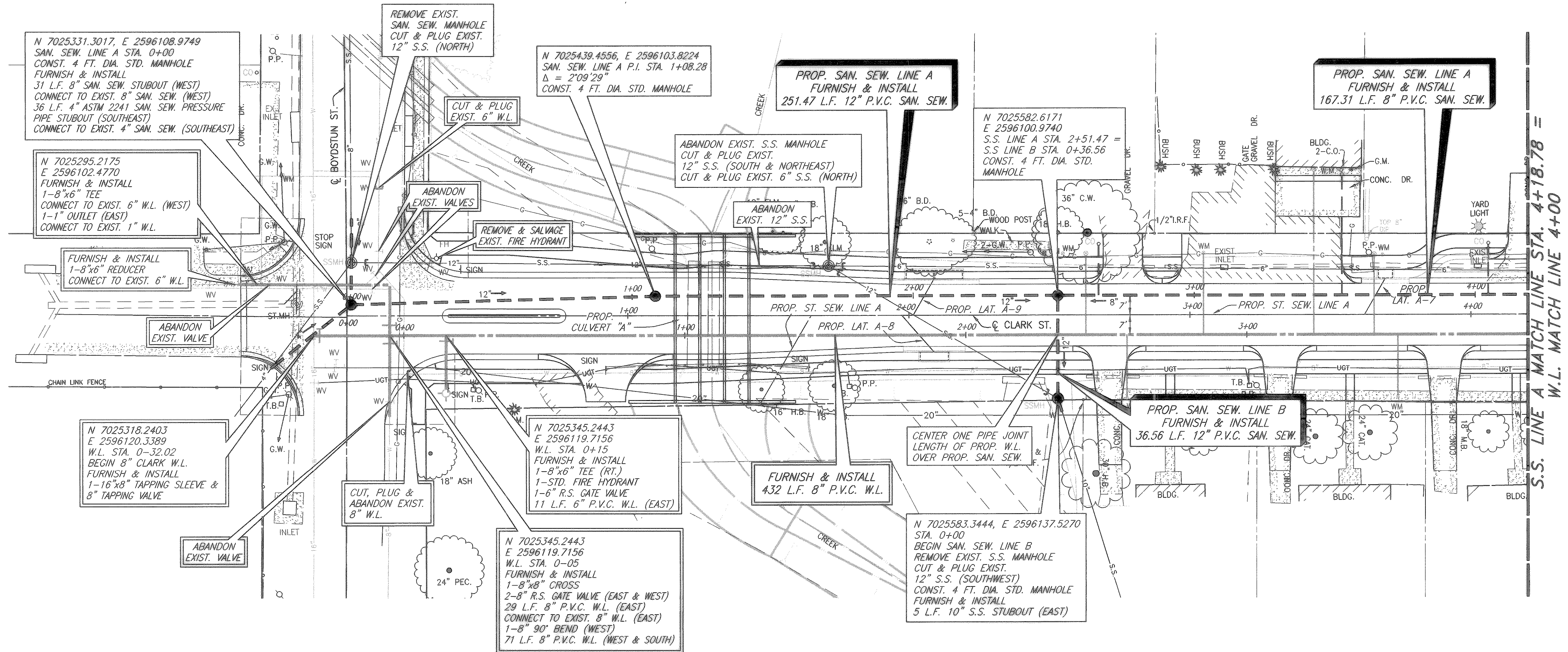
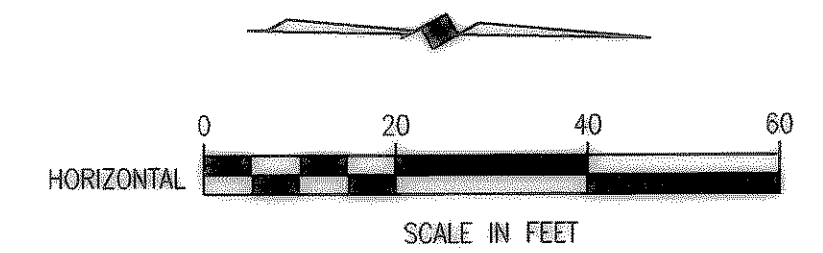




LEGEND
— PROPOSED WATER SERVICE
— PROPOSED SEWER SERVICE

PROPOSED CLARK ST. WATER SERVICES

LOCATION	PROPOSED 1 INCH SERVICE
W.L. STA. 2+42.69	29 L.F. (LT.)
W.L. STA. 2+57.31	22.5 L.F. (RT.)
W.L. STA. 2+84.57	29 L.F. (LT.)
W.L. STA. 3+23.81	58.5 L.F. (LT.)
W.L. STA. 3+45.28	28.5 L.F. (LT.)
W.L. STA. 3+53.72	22 L.F. (RT.)

TOTAL: 189.5 L.F.
FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.

PROPOSED SEWER SERVICES

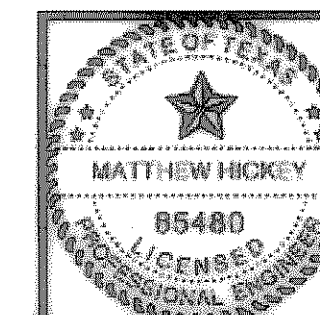
LOCATION	PROPOSED 4 INCH SERVICE
S.S. STA. 3+52.58	43 L.F. (LT.)
S.S. STA. 4+04.68	18 L.F. (LT.)

TOTAL: 61 L.F.

FURNISH & INSTALL
1-8"x4" WYE
1-DOUBLE CLEANOUT
1-4" PLUG
CONNECT TO EXIST. SAN. SEW. SERVICE
PAYMENT FOR TRANSFER OF SANITARY SEWER SERVICE SHALL BE PAID ON A PER EACH BASIS.

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
DATE: 8/26/04



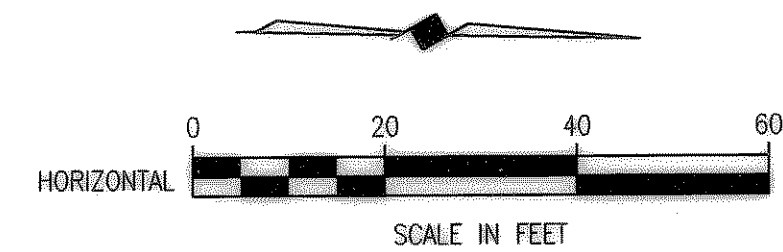
CITY OF ROCKWALL, TEXAS

CLARK STREET
SANITARY SEWER & WATER LINE PLAN
W.L. STA 0+00 TO W.L. STA. 4+00

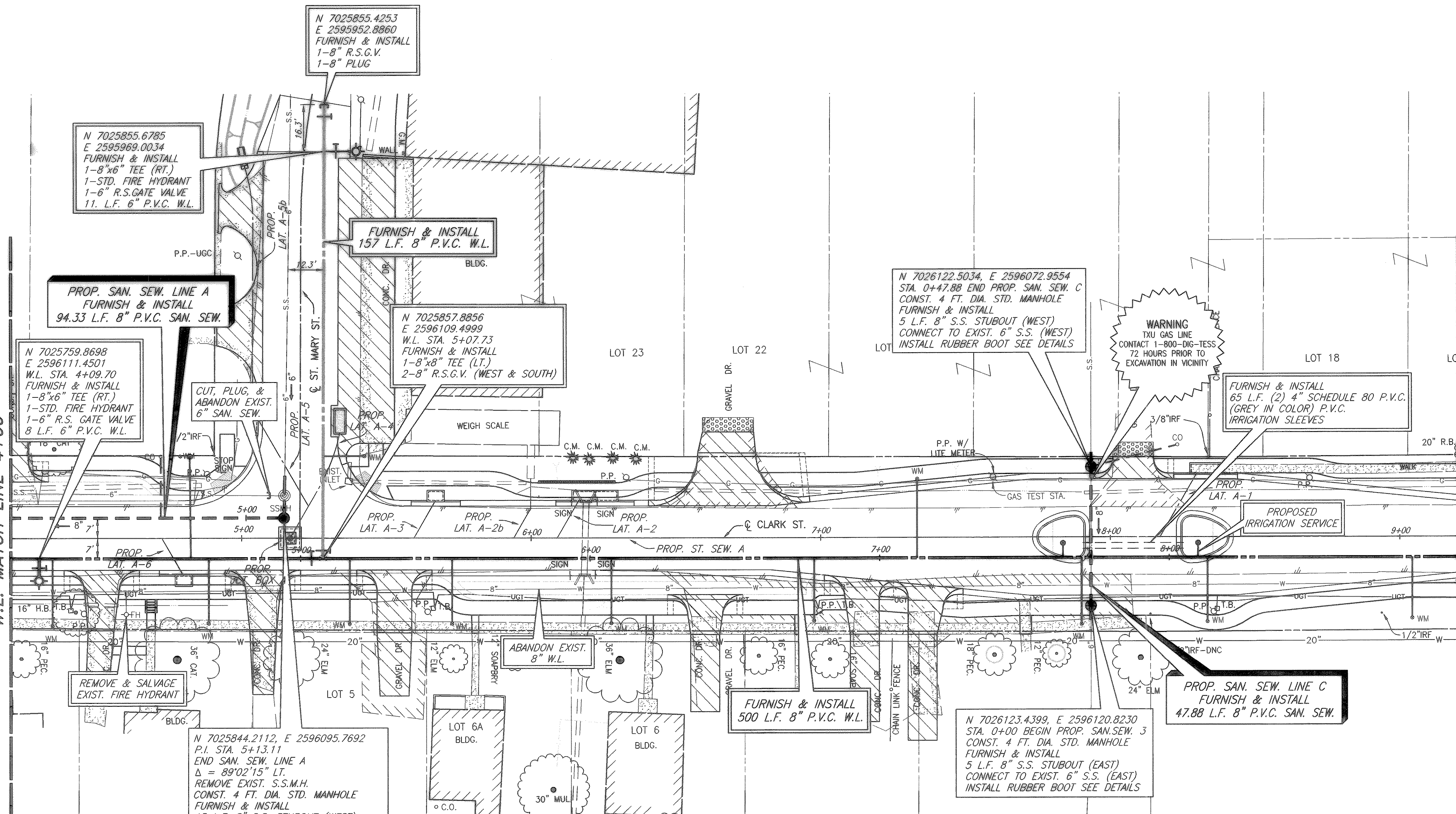
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 34
DRAWN BY: B.H.C.	DATE: AUGUST, 2004	OF X SHEETS

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.

S.S. LINE A MATCH LINE STA. 4+18.78 =
W.L. MATCH LINE 4+00

W.L. MATCH LINE 9+00



LEGEND

— PROPOSED WATER SERVICE

— PROPOSED SEWER SERVICE

PROPOSED CLARK ST. WATER SERVICES

LOCATION	PROPOSED 1 INCH SERVICE
W.L. STA. 4+14.39	23 L.F. (RT.)
W.L. STA. 4+62.16	35 L.F. (LT.)
W.L. STA. 4+68.36	22.5 L.F. (RT.)
W.L. STA. 5+52.39	22.5 L.F. (RT.)
W.L. STA. 6+07.39	22.5 L.F. (RT.)
W.L. STA. 6+77.41	21.5 L.F. (RT.)
W.L. STA. 7+12.98	27 L.F. (LT.)
W.L. STA. 7+69.79	23 L.F. (RT.)
W.L. STA. 8+10	5 L.F. (LT.)
W.L. STA. 8+13.29	22 L.F. (RT.)
W.L. STA. 8+83.99	21 L.F. (RT.)
TOTAL: 240 L.F.	

FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.

PROPOSED LINE "A" SEWER SERVICES

LOCATION	PROPOSED 4 INCH SERVICE
S.S. STA. 4+70.57	21 L.F. (LT.)
TOTAL: 21 L.F.	
FURNISH & INSTALL 1-8"x4" WYE 1-DOUBLE CLEANOUT 1-4" PLUG CONNECT TO EXIST. SAN. SEW. SERVICE PAYMENT FOR TRANSFER OF SANITARY SEWER SERVICE SHALL BE PAID ON A PER EACH BASIS.	

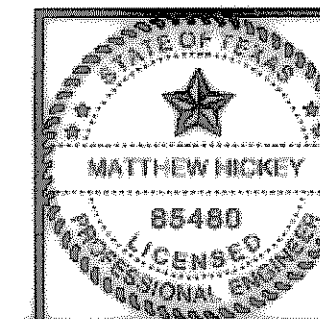
PROPOSED LINE "C" SEWER SERVICES

LOCATION	PROPOSED 4 INCH SERVICE
S.S. STA. 0+47.88	31 L.F. (RT.)
TOTAL: 31 L.F.	
FURNISH & INSTALL 1-8"x4" WYE 1-DOUBLE CLEANOUT 1-4" PLUG CONNECT TO EXIST. SAN. SEW. SERVICE PAYMENT FOR TRANSFER OF SANITARY SEWER SERVICE SHALL BE PAID ON A PER EACH BASIS.	

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/6/04



CITY OF ROCKWALL, TEXAS

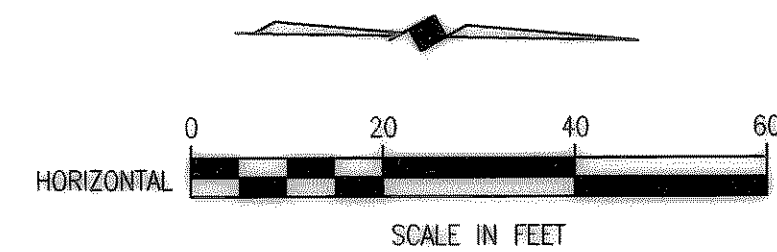
CLARK STREET
SANITARY SEWER & WATER LINE PLAN
W.L. STA 4+00 TO W.L. STA. 9+00

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.

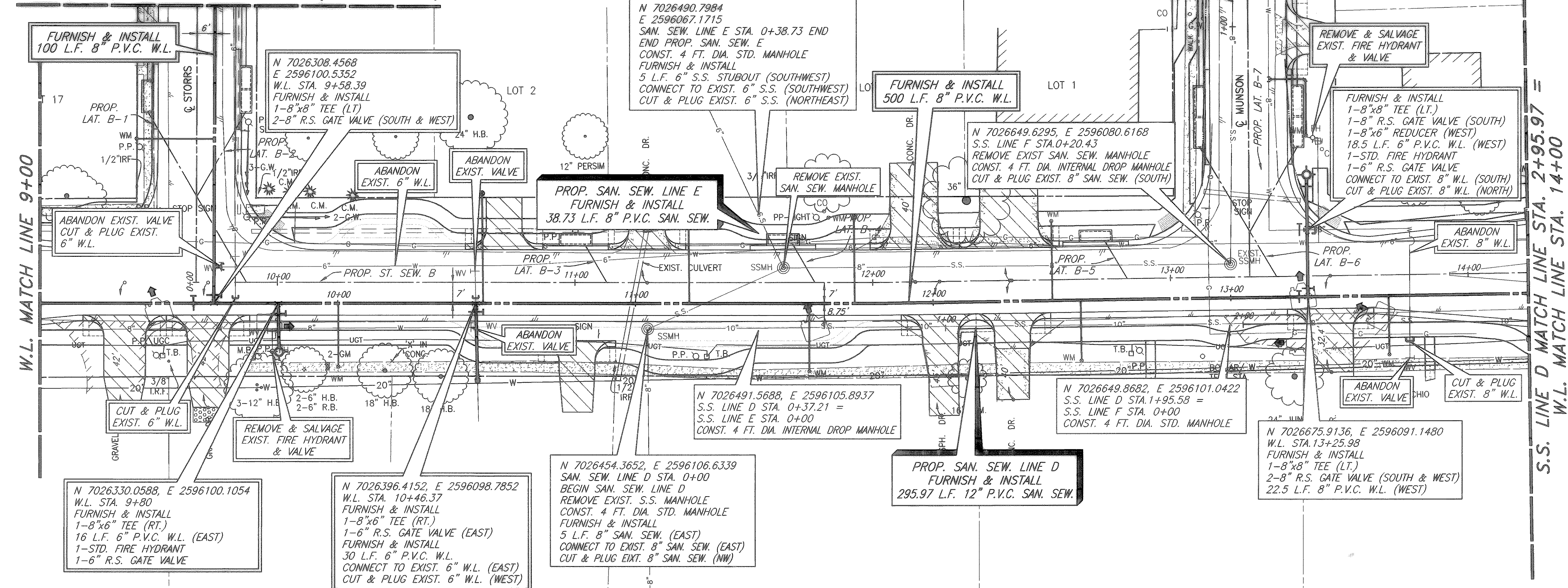
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 35
DRAWN BY: B.H.C.	DATE: AUGUST, 2004	OF X SHEETS

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.



STORRS W.L. MATCH LINE 1+00 (SEE SH. 43)



LEGEND

— PROPOSED WATER SERVICE

— PROPOSED SEWER SERVICE

PROPOSED STORRS ST. WATER SERVICES

LOCATION	PROPOSED 1 INCH SERVICE
W.L. STA. 0+55.16	26 L.F. (LT.)
W.L. STA. 1+20.51	15.5 L.F. (RT.)

TOTAL: 41.5 L.F.

FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.

PROPOSED CLARK ST. WATER SERVICES

LOCATION	PROPOSED 1 INCH SERVICE
W.L. STA. 10+00.19	21 L.F. (RT.)
W.L. STA. 11+58.43	23 L.F. (RT.)
W.L. STA. 11+73.68	29 L.F. (LT.)
W.L. STA. 12+40.05	27 L.F. (LT.)
W.L. STA. 12+49.58	20 L.F. (RT.)
W.L. STA. 13+53.03	20 L.F. (RT.)

TOTAL: 140 L.F.

FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.

PROPOSED LINE "F" SEWER SERVICES

LOCATION	PROPOSED 4 INCH SERVICE
S.S. STA. 0+47.90	32.5 L.F. (RT.)

TOTAL: 32.5 L.F.

FURNISH & INSTALL
1-8"x4" WYE
1-DOUBLE CLEANOUT
1-4" PLUG
CONNECT TO EXIST. SAN. SEW. SERVICE
PAYMENT FOR TRANSFER OF SANITARY SEWER SERVICE SHALL BE PAID ON A PER EACH BASIS.

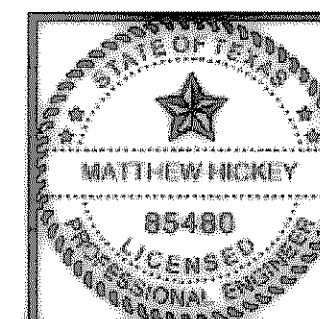
NOTE:

WARNING!!! TXU GAS LINE CROSSES SAN. SEW. LINES D, E & F AND CROSSES PROPOSED WATERLINE AT STORRS & MUNSON. CONTACT 1-800-DIG-TESS PRIOR TO EXCAVATION.

CITY OF ROCKWALL, TEXAS

CLARK STREET
SANITARY SEWER & WATER LINE PLAN
W.L. STA 9+00 TO W.L. STA. 14+00

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

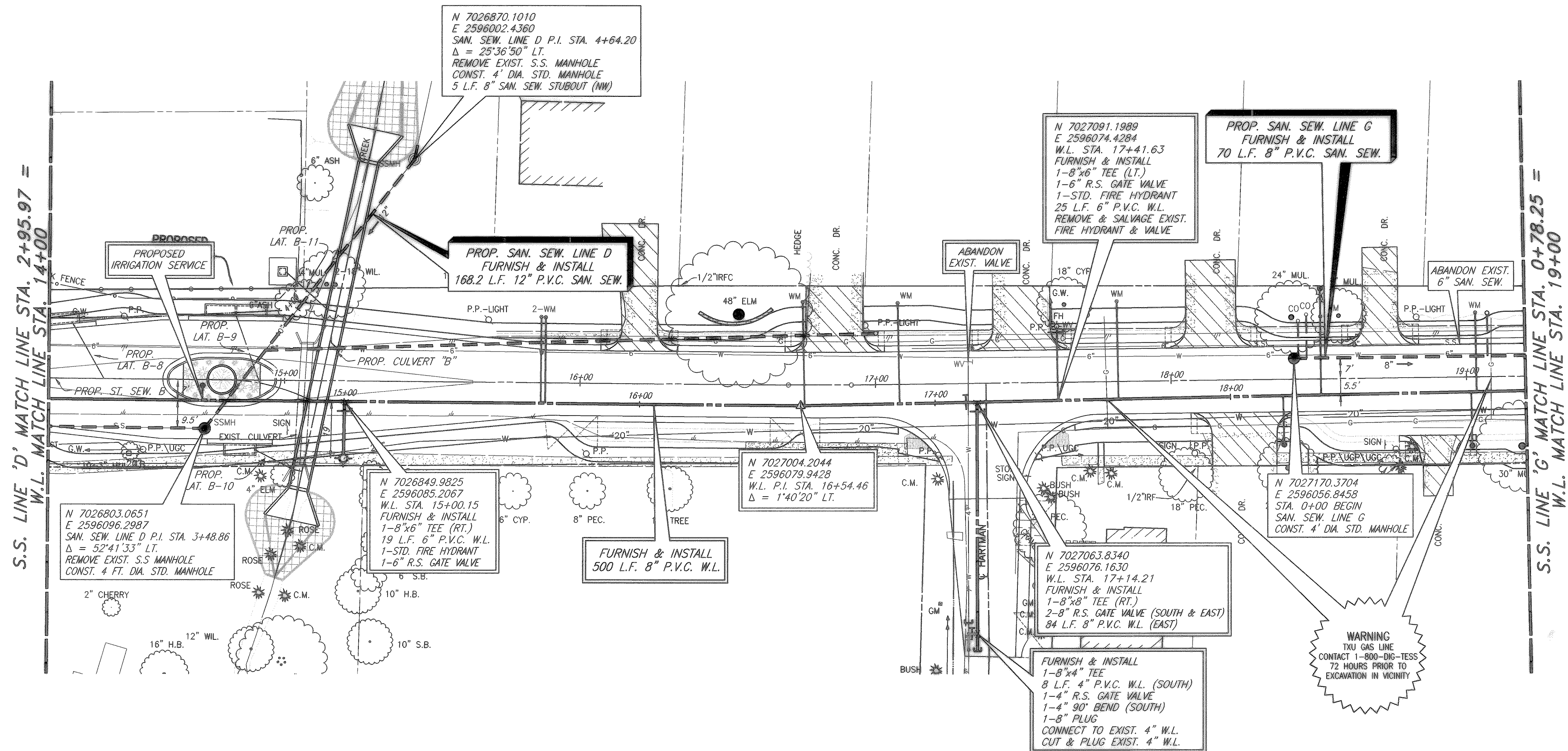


DESIGNED BY: M.H. PROJECT: 2003-120
DRAWN BY: B.H.C. DATE: AUGUST, 2004 OF 36 SHEETS

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

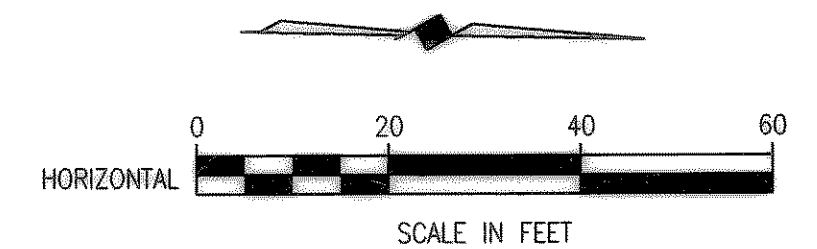
THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/2/04



LEGEND

- PROPOSED WATER SERVICE
- PROPOSED SEWER SERVICE



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.

CITY OF ROCKWALL, TEXAS

CLARK STREET
 SANITARY SEWER & WATER LINE PLAN
 W.L. STA 14+00 TO W.L. STA. 19+00

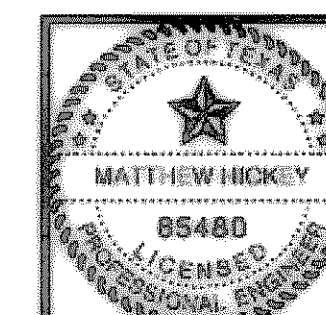
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 CONSULTING ENGINEERS
 Dallas, Texas

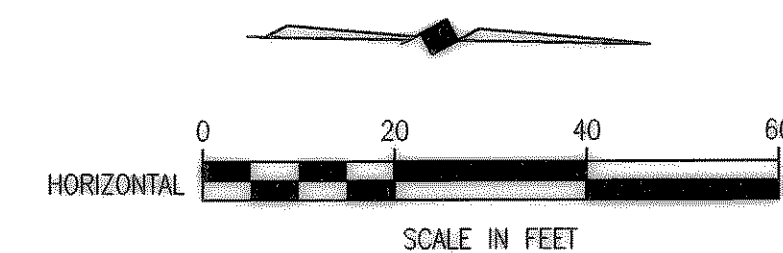
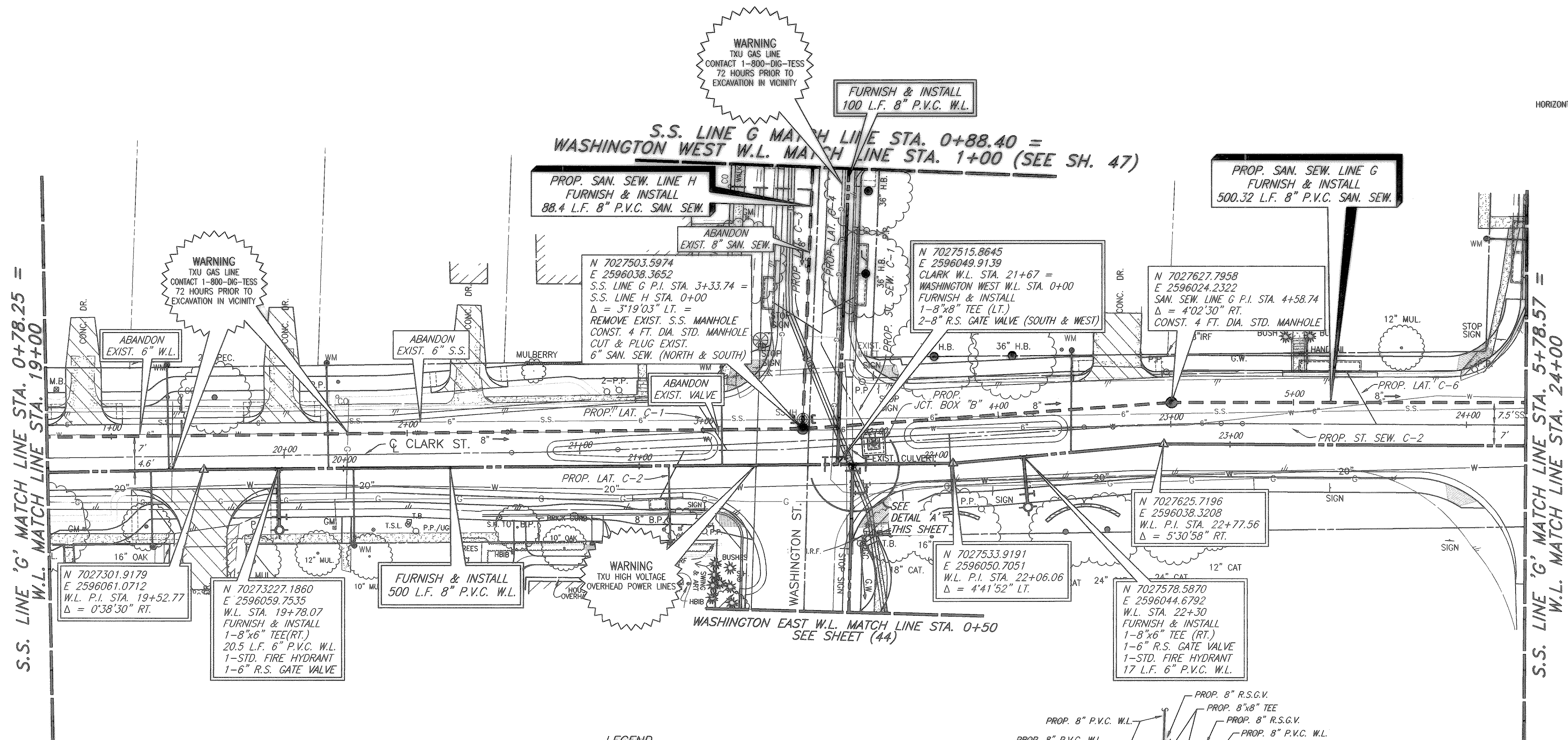
DESIGNED BY: M.H. PROJECT: 2003-120 SHEET NO. 37
 DRAWN BY: B.H.C. DATE: AUGUST, 2004 OF X SHEETS

THESE DOCUMENTS ARE FOR
 BIDDING, CONSTRUCTION,
 AND PERMIT PURPOSES.

DATE: 8/6/04

REVISED TO CONFORM
 TO CONSTRUCTION RECORDS
 BY M.H. DATE 12/04/2006





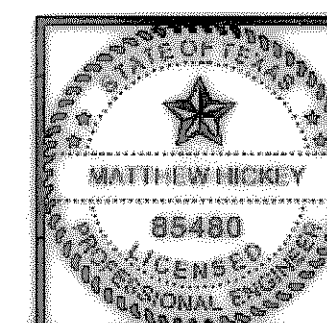
CITY OF ROCKWALL, TEXAS

CLARK STREET
SANITARY SEWER & WATER LINE PLAN
W.L. STA. 19+00 TO W.L. STA. 24+00BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

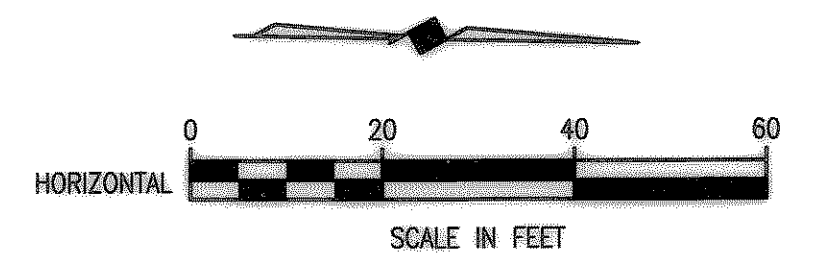
DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 38
DRAWN BY: B.H.C.	DATE: AUGUST, 2004	OF X SHEETS

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/24/04

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006These 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.

KAUFMAN W.L. MATCH LINE STA. 1+70 (SEE SH. 49)

S.S. LINE I MATCH LINE STA. 1+97.11
RUSK W.L. MATCH LINE STA. 1+00 (SEE SH. 48)

PROP. SAN. SEW. LINE I
FURNISH & INSTALL
86 L.F. 8" P.V.C. SAN. SEW.

ABANDON
EXIST. 6" SAN. SEW.

N 7027753.9827
E 2596018.8326
SAN. SEW. LINE G STA. 5+85.11=
SAN. SEW. LINE I STA. 1+11.37
REMOVE EXIST. S.S. MANHOLE
CONST. 4 FT. DIA. STD. MANHOLE

S.S. LINE G MATCH LINE STA. 5+78.57 =
W.L. MATCH LINE STA. 24+00

PROP. SAN. SEW. LINE I
FURNISH & INSTALL
111 L.F. 8" P.V.C. SAN. SEW.

ABANDON
EXIST. 6" SAN. SEW.

CONNECT PROP.
8" SAN. SEW. TO EXIST.
6" SAN. SEW.
FURNISH RUBBER BOOT
ON CONNECTION
SEE DETAILS

N 7027768.6459 , E 2596032.9125
CLARK W.L. STA. 24+20.59 =
RUSK W.L. STA. 0+00
FURNISH & INSTALL
1-8"x8" CROSS 1-8"x8"x8" TEE
3-8" R.S. GATE VALVE (NORTH, EAST & WEST)
2-8" R.S. GATE VALVE (NORTH & WEST)
100 L.F. 8" P.V.C. W.L. (WEST)
23.5 L.F. 8" P.V.C. W.L. (EAST)

ABANDON
EXIST. VALVE

ABANDON
EXIST. 6" SAN. SEW.

ABANDON
EXIST. W.L.

N 7028018.9443
E 2596007.4948
S.S. LINE G P.I. STA. 8+50.25
Δ = 2'01'02" RT. =
S.S. LINE J STA. 0+00
CONST. 4 FT. DIA. STD. MANHOLE

PROP. SAN. SEW. LINE J
FURNISH & INSTALL
135 L.F. 8" P.V.C. SAN. SEW.

FURNISH & INSTALL
170 L.F. 8" P.V.C. W.L.

FURNISH & INSTALL
10 L.F. CONCRETE
ENCASEMENT

CUT & PLUG
EXIST. 6" W.L.
(NORTH & SOUTH)

N 7028083.2061
E 2596021.0096
P.I. STA. 27+35.37
Δ = 1'44'03" RT.

PROP. SAN. SEW. LINE G
FURNISH & INSTALL
500.46 L.F. 8" P.V.C. SAN. SEW.

ABANDON
EXIST. 6" SAN. SEW.

N 7027800.9087
E 2596031.6917
W.L. STA. 24+52.87
FURNISH & INSTALL
1-8"x6" TEE (RT.)
1-6" R.S. GATE VALVE
1-STD. FIRE HYDRANT
13 L.F. 6" P.V.C. W.L.

ABANDON
EXIST. VALVE

REMOVE & SALVAGE
EXIST. FIRE HYDRANT
& VALVE

CONNECT TO EXIST. 8" W.L. (EAST)

REMOVE EXIST. S.S. MANHOLE
CUT & PLUG EXIST.
6" SAN. SEW. (NORTH & SOUTH)

FURNISH & INSTALL
500 L.F. 8" P.V.C. W.L.

N 7028028.1108
E 2596023.1023
W.L. STA. 26+80.24
FURNISH & INSTALL
1-8"x8" CROSS
3-8" R.S. GATE VALVES
(SOUTH, EAST & WEST)
21 L.F. 8" P.V.C. W.L. (EAST)

N 7028031.7550
E 2596040.5911
FURNISH & INSTALL
1-8" 90° BEND
1-8"x4" REDUCER
CONNECT TO EXIST. 4" W.L.
ABANDON EXIST. VALVE (WEST)
CUT & PLUG EXIST. 4" W.L.

N 7028190.1413
E 2596020.2016
W.L. STA. 28+42.31
FURNISH & INSTALL
1-8"x6" TEE (RT.)
1-6" R.S. GATE VALVE
1-STD. FIRE HYDRANT
16 L.F. 6" P.V.C. W.L.

LEGEND

— PROPOSED WATER SERVICE

— PROPOSED SEWER SERVICE

13 FIELD CHANGE NO. 13 - DECEMBER 13, 2005

2 FIELD CHANGE NO. 2 - JANUARY 25, 2005

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.

PROPOSED RUSK ST. WATER SERVICES

LOCATION	PROPOSED 1" INCH SERVICE
W.L. STA. 0+52.10	52 L.F. (LT.)
TOTAL: 52 L.F.	
FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYUPE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.	

PROPOSED CLARK ST. WATER SERVICES

LOCATION	PROPOSED 1" INCH SERVICE
W.L. STA. 27+17.56	10 L.F. (RT.)
W.L. STA. 27+85.92	27 L.F. (LT.)
W.L. STA. 28+18.23	28.5 L.F. (LT.)
TOTAL: 65.5 L.F.	
FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYUPE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.	

PROPOSED LINE "G" SEWER SERVICES

LOCATION	PROPOSED 4" INCH SERVICE
S.S. STA. 6+41.51	24 L.F. (LT.)
S.S. STA. 8+02.48	71 L.F. (LT.)
S.S. STA. 10+36.98	15 L.F. (LT.)
TOTAL: 110 L.F.	
FURNISH & INSTALL 1-8"x4" WYE 1-DOUBLE CLEANOUT 1-4" PLUG CONNECT TO EXIST. SAN. SEW. SERVICE PAYMENT FOR TRANSFER OF SANITARY SEWER SERVICE SHALL BE PAID ON A PER EACH BASIS.	

PROPOSED LINE "I" SEWER SERVICES

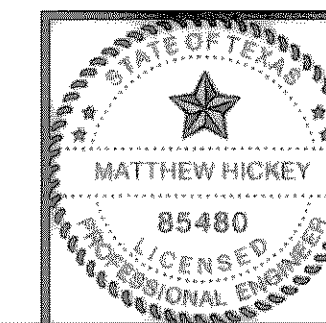
LOCATION	PROPOSED 4" INCH SERVICE
S.S. STA. 1+83.17	7.5 L.F. (LT.)
TOTAL: 7.5 L.F.	
FURNISH & INSTALL 1-8"x4" WYE 1-DOUBLE CLEANOUT 1-4" PLUG CONNECT TO EXIST. SAN. SEW. SERVICE PAYMENT FOR TRANSFER OF SANITARY SEWER SERVICE SHALL BE PAID ON A PER EACH BASIS.	

PROPOSED LINE "J" SEWER SERVICES

LOCATION	PROPOSED 4" INCH SERVICE
S.S. STA. 1+83.17	21 L.F. (LT.)
TOTAL: 21 L.F.	
FURNISH & INSTALL 1-8"x4" WYE 1-DOUBLE CLEANOUT 1-4" PLUG CONNECT TO EXIST. SAN. SEW. SERVICE PAYMENT FOR TRANSFER OF SANITARY SEWER SERVICE SHALL BE PAID ON A PER EACH BASIS.	

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
Matthew Hickey
DATE: 8/16/04

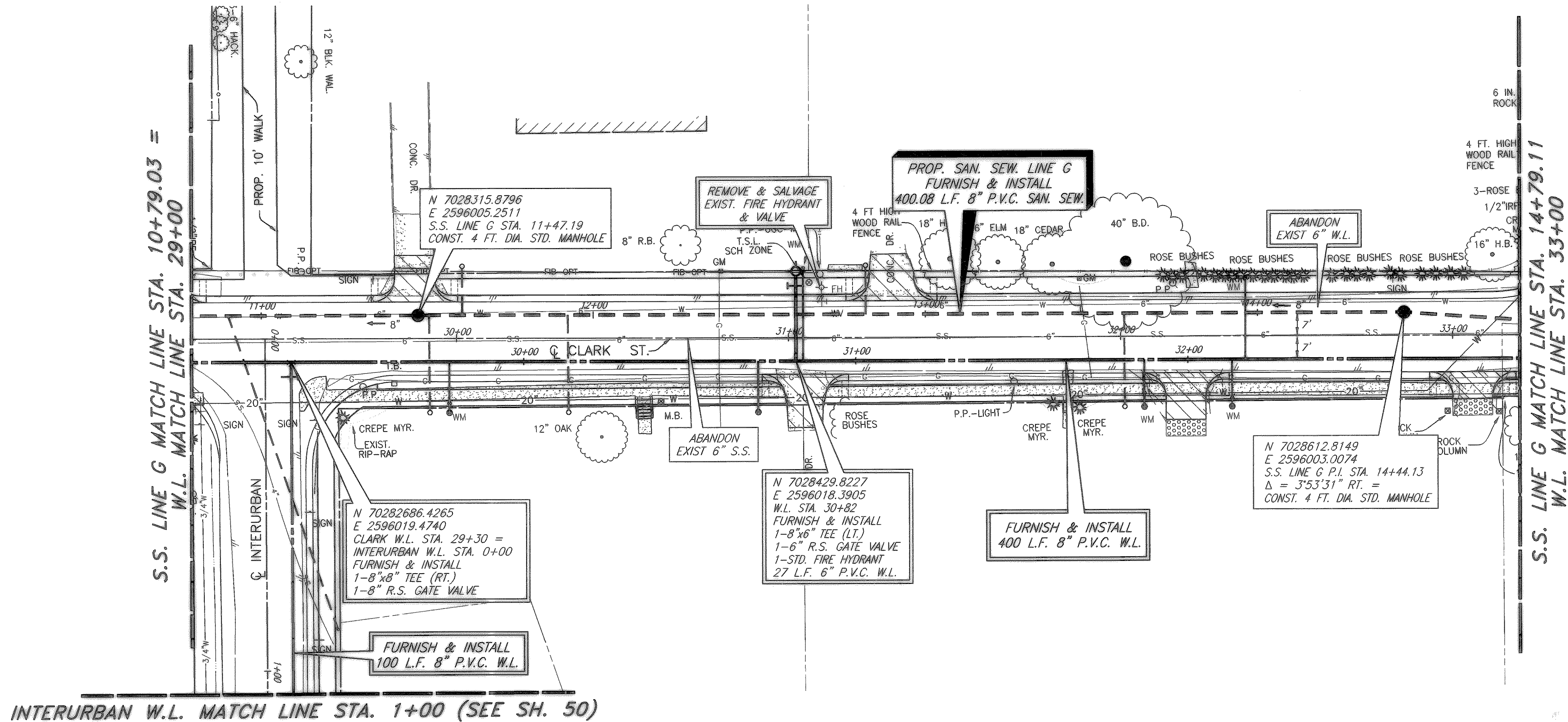


CITY OF ROCKWALL, TEXAS

CLARK STREET
SANITARY SEWER & WATER LINE PLAN
W.L. STA. 24+00 TO STA. W.L. 29+00

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

DESIGNED BY: M.H. PROJECT: 2003-120 SHEET NO. 39
DRAWN BY: B.H.C. DATE: AUGUST, 2004 OF X SHEETS



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.

CITY OF ROCKWALL, TEXAS

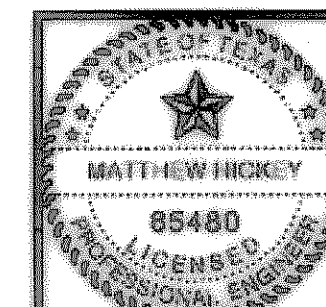
CLARK STREET
SANITARY SEWER & WATER LINE PLAN
W.L. STA. 29+00 TO W.L. STA. 33+00

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

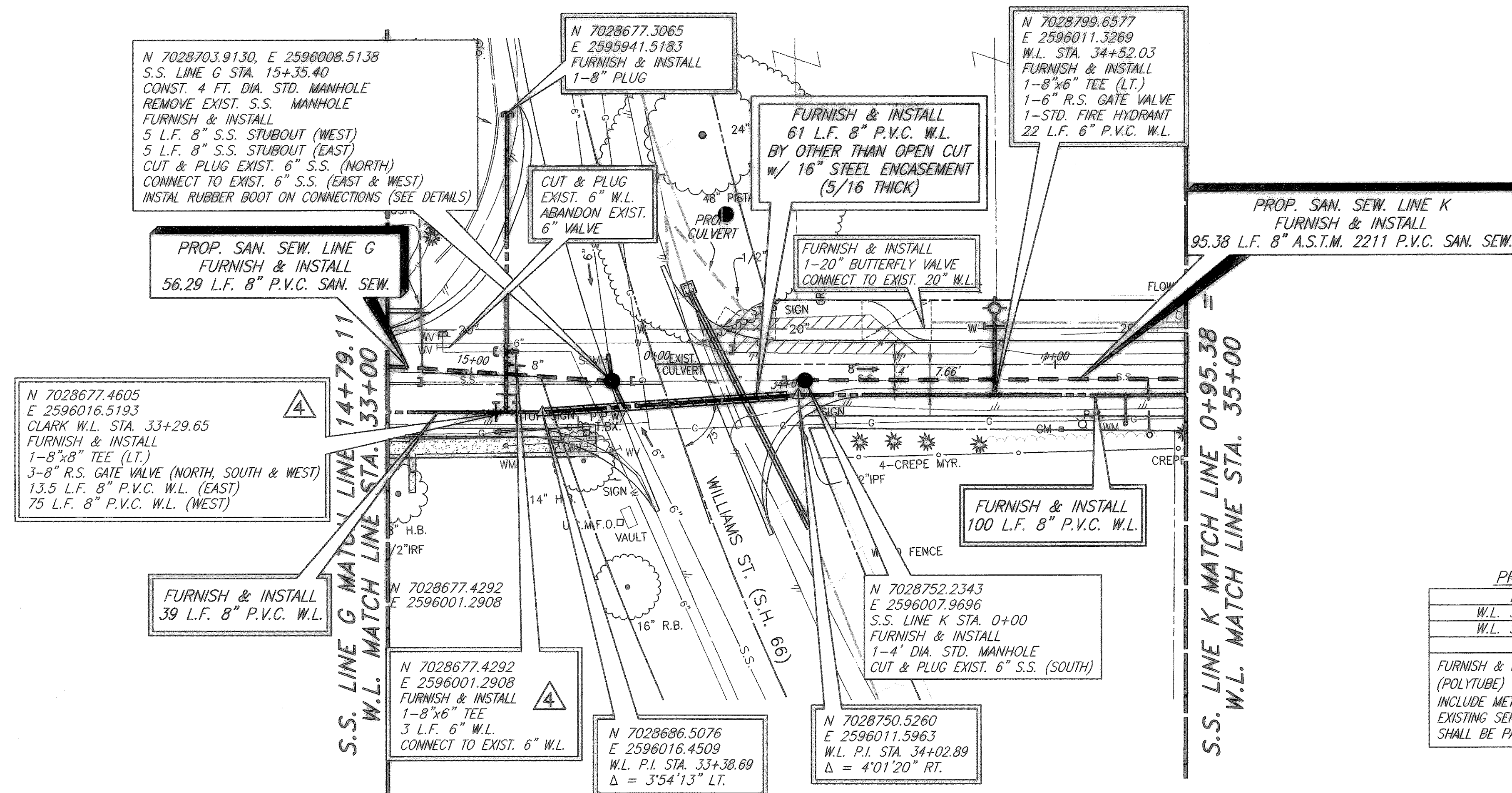
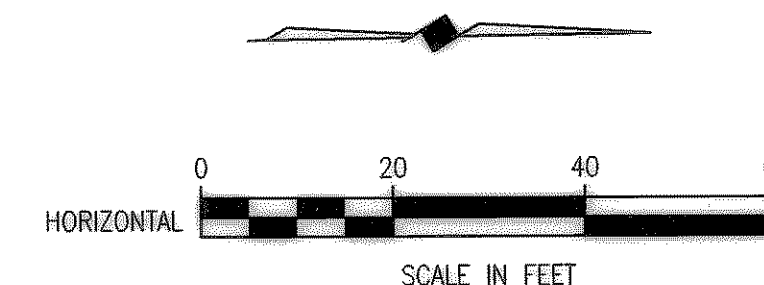
DESIGNED BY: M.H. PROJECT: 2003-120 SHEET NO. 40
DRAWN BY: B.H.C. DATE: AUGUST, 2004 OF X SHEETS

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/26/04



REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006



LEGEND

- PROPOSED WATER SERVICE
— PROPOSED SEWER SERVICE

PROPOSED CLARK ST. WATER SERVICES

LOCATION	PROPOSED 1 INCH SERVICE
W.L. STA. 33+24.65	5 L.F. (RT.)
W.L. STA. 34+84.86	7 L.F. (RT.)

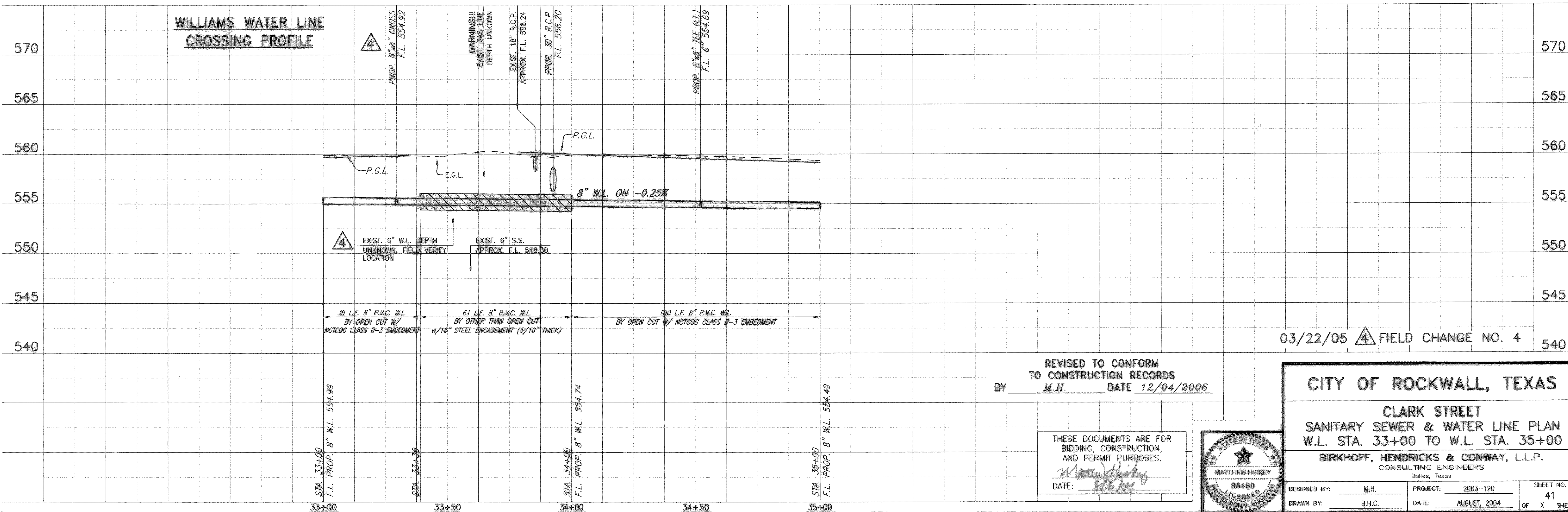
TOTAL: 12 L.F.

FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.

NOTE:

WARNING!!! TXU GAS LINES CROSS PROPOSED WATER LINES IN THE CLARK AND WILLIAMS INTERSECTION. CONTACT 1-800-DIG-TESS PRIOR TO EXCAVATION.

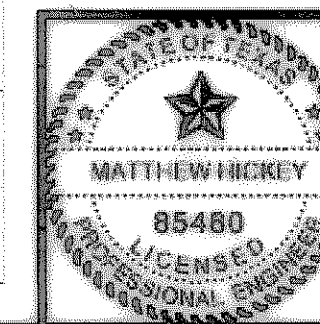
These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Birkhoff, Hendricks & Conway, L.L.P.

WILLIAMS WATER LINE
CROSSING PROFILE

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/6/04



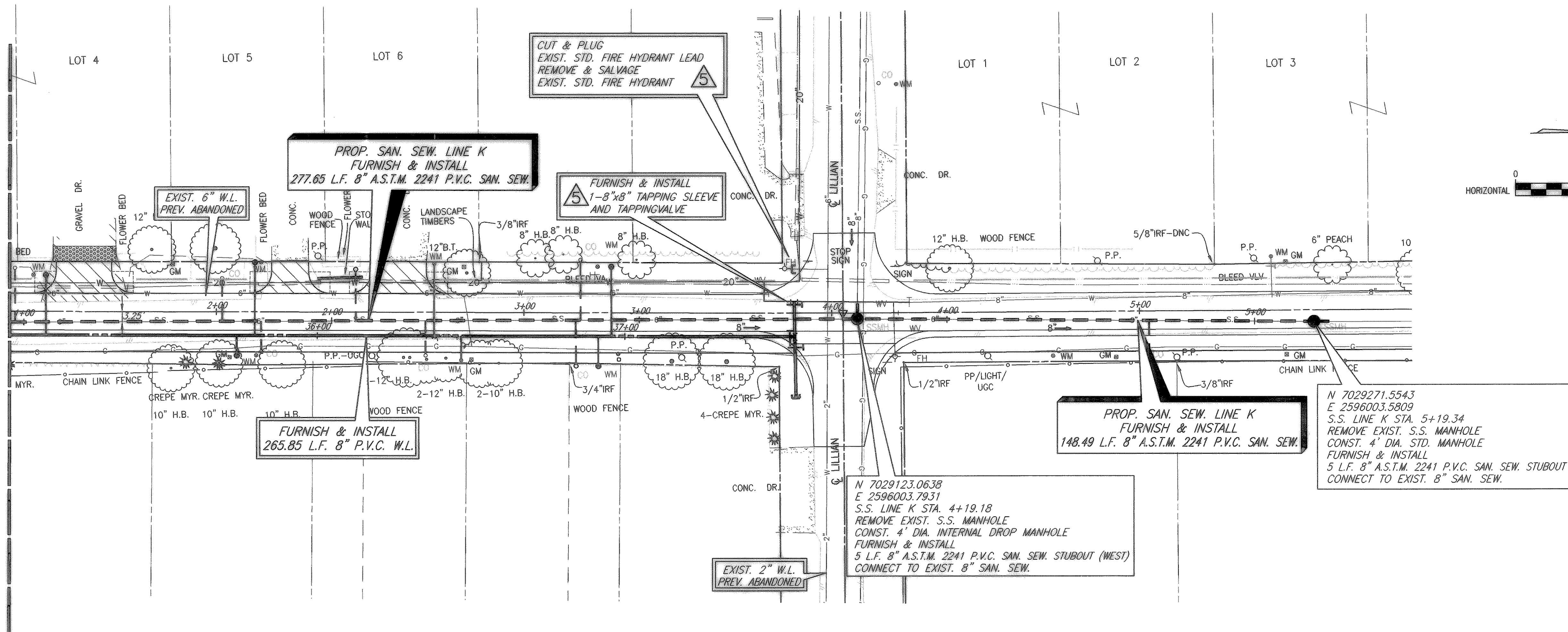
CITY OF ROCKWALL, TEXAS

CLARK STREET
SANITARY SEWER & WATER LINE PLAN
W.L. STA. 33+00 TO W.L. STA. 35+00

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

DESIGNED BY: M.H. PROJECT: 2003-120
DRAWN BY: B.H.C. DATE: AUGUST, 2004
SHEET NO. 41 OF X SHEETS

S.S. LINE K MATCH LINE STA. 0+95.38 =
W.L. MATCH LINE STA. 35+00



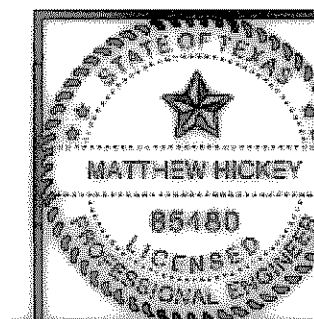
PROPOSED CLARK ST. WATER SERVICES	
LOCATION	PROPOSED 1" INCH SERVICE
W.L. STA. 35+11.84	19.5 L.F. (LT.)
W.L. STA. 35+73.78	6.5 L.F. (RT.)
W.L. STA. 35+79.70	24 L.F. (LT.)
W.L. STA. 36+37.98	23.5 L.F. (LT.)
W.L. STA. 36+46.80	8 L.F. (RT.)
W.L. STA. 36+87.99	6 L.F. (RT.)
W.L. STA. 36+95.64	22.5 L.F. (LT.)
TOTAL: 110 L.F.	
FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.	

PROPOSED LINE "K" SEWER SERVICES	
LOCATION	PROPOSED 4" INCH SERVICE
S.S. STA. 0+97.20	17.5 L.F. (LT.)
S.S. STA. 1+64.90	14 L.F. (LT.)
S.S. STA. 1+77.13	10 L.F. (RT.)
S.S. STA. 2+30.53	11.5 L.F. (RT.)
S.S. STA. 2+80.99	19.5 L.F. (LT.)
S.S. STA. 2+93.34	13 L.F. (RT.)
TOTAL: 85.5 L.F.	
FURNISH & INSTALL 1-8"x4" WYE 1-DOUBLE CLEANOUT 1-4" PLUG CONNECT TO EXIST. SAN. SEW. SERVICE PAYMENT FOR TRANSFER OF SANITARY SEWER SERVICE SHALL BE PAID ON A PER EACH BASIS.	

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/16/05



CITY OF ROCKWALL, TEXAS

CLARK STREET
SANITARY SEWER & WATER LINE PLAN
W.L. STA. 35+00 TO END (STA. 38+02.05)

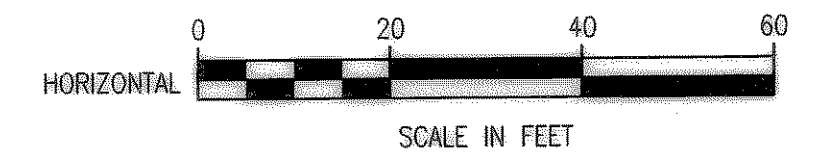
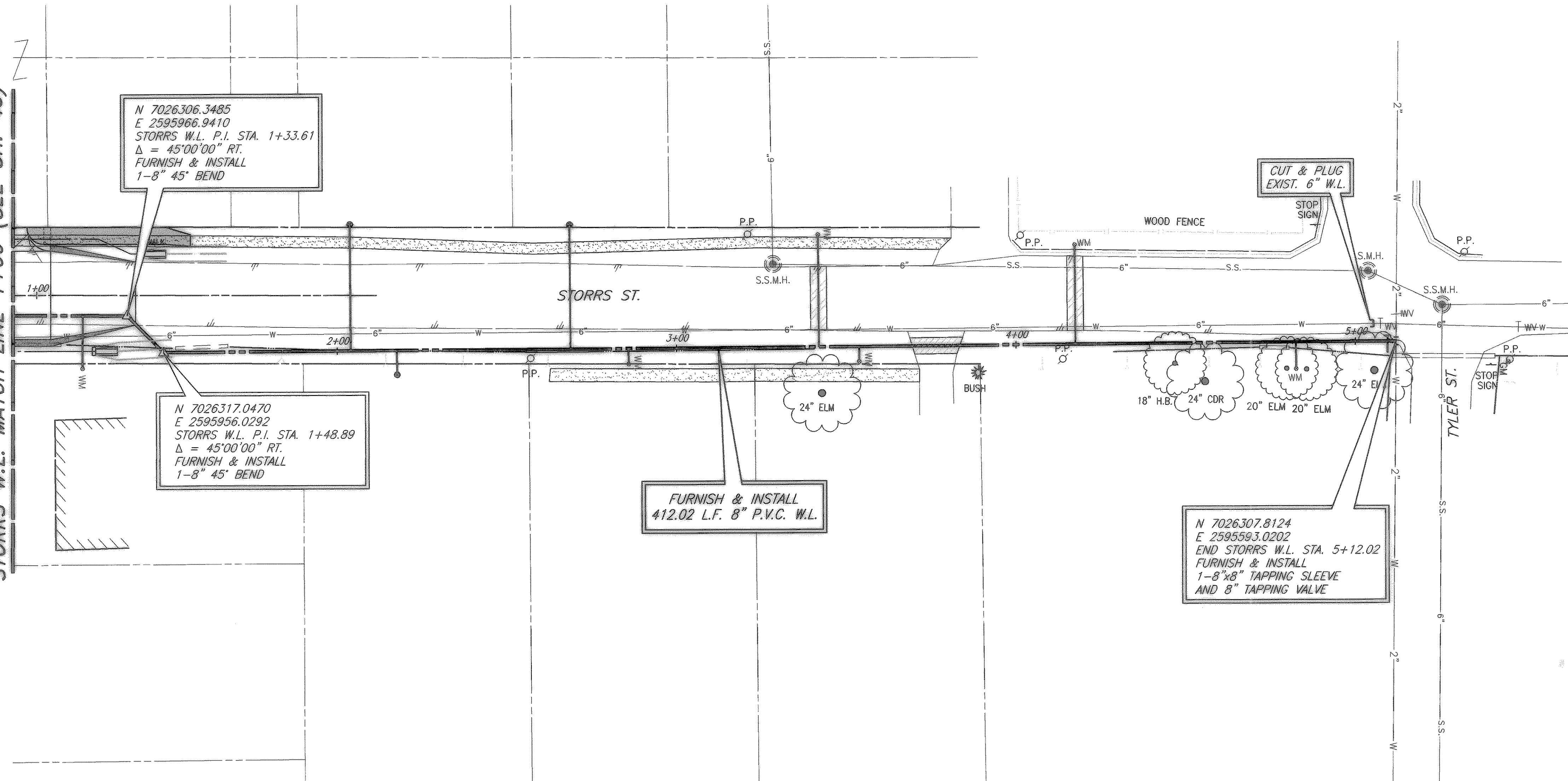
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: <u>M.H.</u>	PROJECT: <u>2003-120</u>	SHEET NO. <u>42</u>
DRAWN BY: <u>B.H.C.</u>	DATE: <u>AUGUST, 2004</u>	OF <u>X</u> SHEETS

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.

05/16/05 FIELD CHANGE NO. 5

STORRS W.L. MATCH LINE 1+00 (SEE SH. 43)



- LEGEND**
- PROPOSED WATER SERVICE
 - PROPOSED SEWER SERVICE
 - CONC. PVMT. REPLACEMENT
 - HMAC PVMT. REPLACEMENT
 - GRAVEL REPLACEMENT

PROPOSED STORRS ST. WATER SERVICES

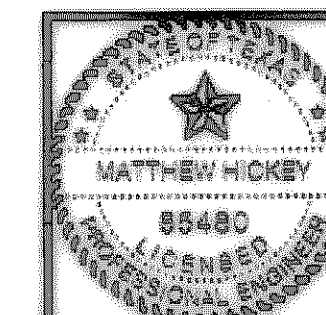
LOCATION	PROPOSED 1 INCH SERVICE
W.L. STA. 1+20.51	15.5 L.F. (RT.)
W.L. STA. 2+85.85	4.5 L.F. (RT.)
W.L. STA. 3+41.92	33 L.F. (LT.)
W.L. STA. 3+53.81	4.5 L.F. (RT.)
W.L. STA. 4+17.49	29 L.F. (LT.)
W.L. STA. 4+82.48	8 L.F. (RT.)
TOTAL: 94.5 L.F.	

FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/21/04



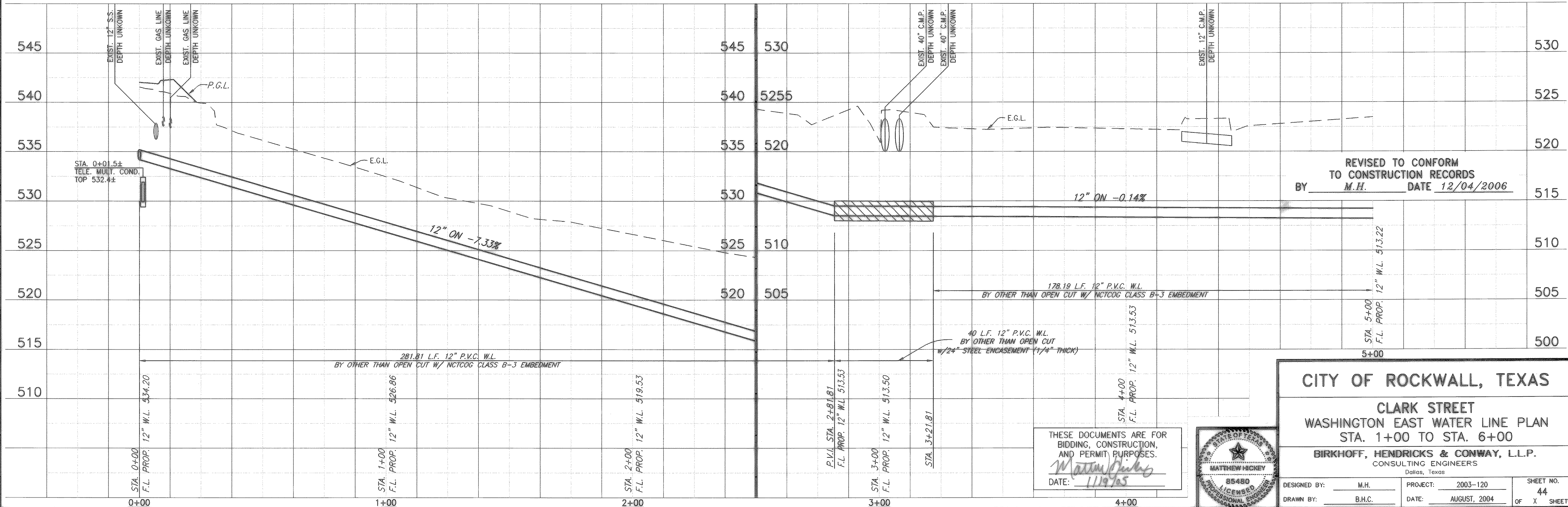
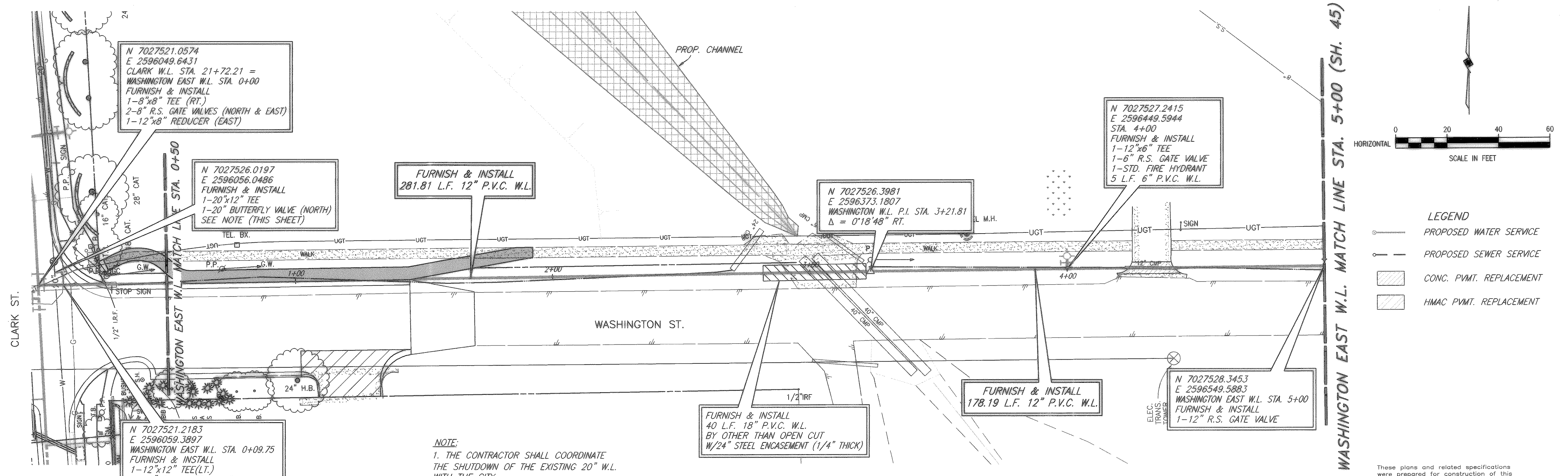
CITY OF ROCKWALL, TEXAS

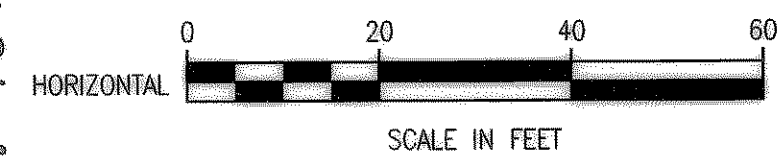
CLARK STREET
WEST STORRS W.L. PLAN
W.L. STA 1+00 TO END

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

DESIGNED BY: M.H. PROJECT: 2003-120 SHEET NO. 43
DRAWN BY: B.H.C. DATE: AUGUST, 2004 OF X SHEETS

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.





LEGEND

PROPOSED WATER SERVICE

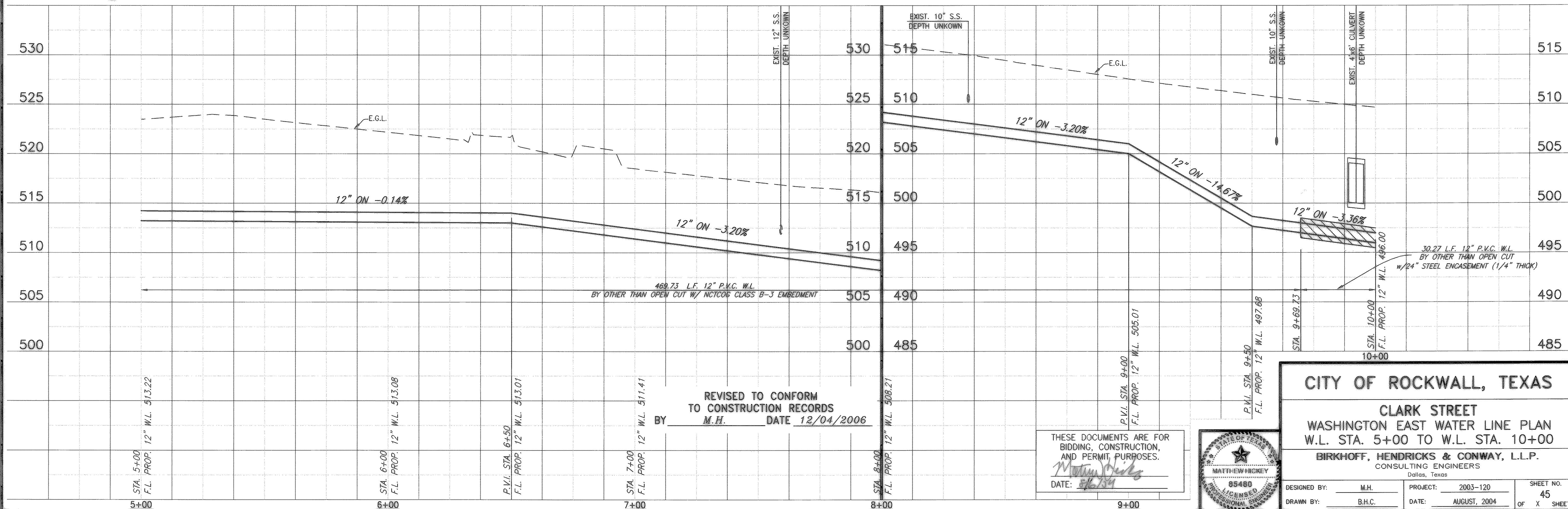
PROPOSED SEWER SERVICE

CONC. PVMT. REPLACEMENT

HMAC PVMT. REPLACEMENT

GRAVEL REPLACEMENT

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.



XREF: ROCKWALL\2003120\X.X

SCALE: 1"=20' BLOCKS: ROCKWALL\2003120\X.X

08/03/04 CAG H:\ROCKWALL\2003120\PLAN-SHEETS\2003120--SAN-WL-11.DWG

WASHINGTON EAST W.L. MATCH LINE STA. 10+00 (SEE SH. 45)

FURNISH & INSTALL
39.73 L.F. 12" P.V.C. W.L.
BY OTHER THAN OPEN CUT
W/24" STEEL ENCASMENT (1/4" THICK)

N 7027549.9843
E 2597098.6637
WASHINGTON EAST W.L. STA. 10+50
1-12" R.S. GATE VALVE

N 7027551.5373
E 2597088.5130
WASHINGTON W.L. P.I. STA. 10+39.73
 $\Delta = 9'33''50''$ LT.

FURNISH & INSTALL
83.27 L.F. 12" P.V.C. W.L.

N 7027526.6233
E 2597245.6989
WASHINGTON W.L. STA. 11+98.87
FURNISH & INSTALL
1-12"x6" TEE (RT.)
1-6" R.S. GATE VALVE
CONNECT TO EXIST. 6" W.L. (SOUTH)
CUT & PLUG EXIST. 6" W.L. (EAST)

FURNISH & INSTALL
25 L.F. 12" P.V.C. W.L.
BY OTHER THAN OPEN CUT
W/24" STEEL ENCASMENT (1/4" THICK)

N 7027529.2134
E 2597234.4224
WASHINGTON W.L. P.C. STA. 11+87.34

13 L.F. FULL DEPTH
H.M.A.C. SAW CUT

N 7027523.9456
E 2597256.4627
STA. 12+10
FURNISH & INSTALL
1-12"x6" TEE
1-6" R.S. GATE VALVE
1-STD. FIRE HYDRANT
5 L.F. 6" P.V.C. W.L.

- LEGEND
- PROPOSED WATER SERVICE
 - PROPOSED SEWER SERVICE
 - CONC. PVMT. REPLACEMENT
 - HMAC PVMT. REPLACEMENT
 - GRAVEL REPLACEMENT

FURNISH & INSTALL
386.48 L.F. 12" P.V.C. W.L.

CURVE 1 DATA
 $\Delta = 19'08''52''$
 $R = 833.91'$
 $T = 140.65'$
 $L = 278.69'$
 $C.B. = N 67'45''46'' W$
 $C.D. = 277.39'$

HARRY MYERS PARK

0 20 40 60
HORIZONTAL
SCALE IN FEET

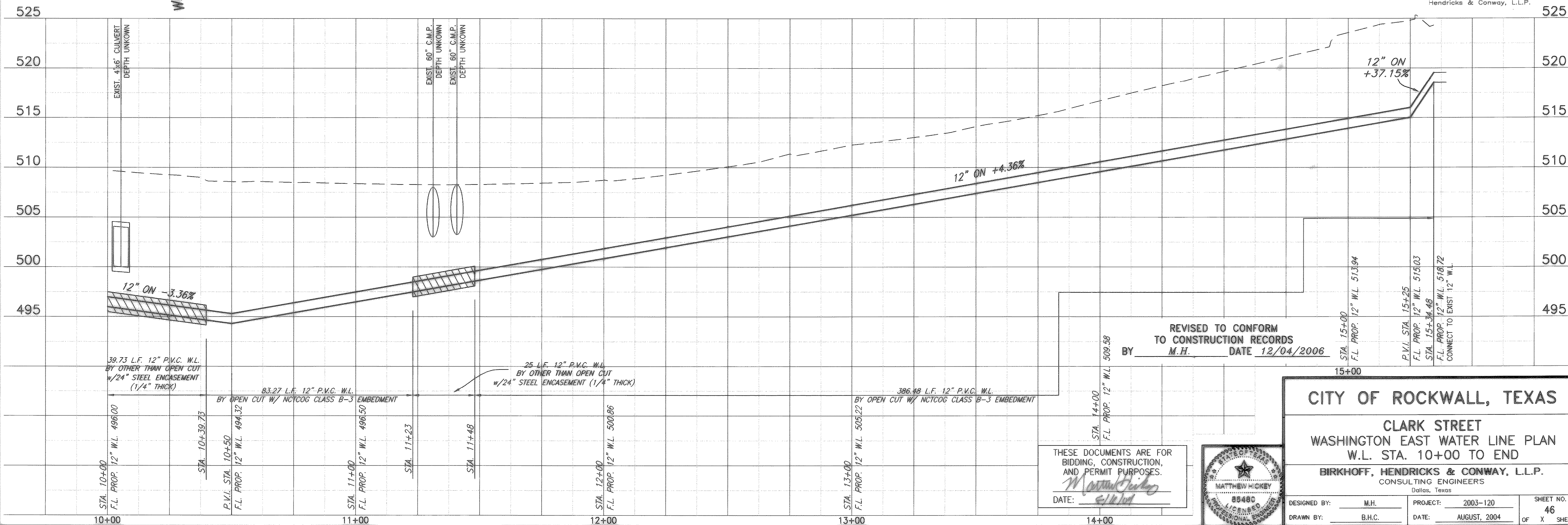
N 7027537.9593
E 2596888.7897
WASHINGTON W.L. P.T. STA. 14+66.03

N 7027388.1553
E 2597549.3515
END WASHINGTON W.L. STA 15+34.48
CONNECT TO EXIST. 12" W.L.

HOSE BIB
W.M.
SPK. VAL. BOX
P.P.W. METER
P.P.
W.V. W.V.
CUT & PLUG
EXIST. 6" W.L.

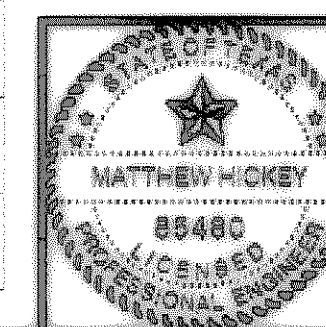
N 7027414.2349
E 2597507.3077
STA. 14+85
FURNISH & INSTALL
1-12"x6" TEE
1-6" R.S. GATE VALVE
1-STD. FIRE HYDRANT
5 L.F. 6" P.V.C. W.L.

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.



REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
DATE: 8/1/04



CITY OF ROCKWALL, TEXAS

CLARK STREET
WASHINGTON EAST WATER LINE PLAN
W.L. STA. 10+00 TO END

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

DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 46
DRAWN BY: B.H.C.	DATE: AUGUST, 2004	OF X SHEETS

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.

S.S. LINE 1 MATCH LINE STA. 1+97.11
RUSK W.L. MATCH LINE STA. 1+00 (SEE SH. 39)

N 7027767.2807
E 2595926.2594
RUSK W.L. P.I. STA. 1+06.84
 $\Delta = 22'30'00''$ RT.
FURNISH & INSTALL
1-8" 22-1/2' BEND

PROP. SAN. SEW. LINE 1
FURNISH & INSTALL
70.8 L.F. 8" P.V.C. SAN. SEW.

N 7027751.8401
E 2595862.3317
END S.S. LINE 1 STA. 2+67.89
CONNECT PROP. 8" SAN. SEW.
TO EXIST. 6" SAN. SEW.
INSTALL RUBBER BOOT
ON CONNECTION

N 7027769.2483
E 2595575.5613
END RUSK W.L. STA. 4+59.25
FURNISH & INSTALL
1-8"x8" TAPPING SLEEVE
AND 8" TAPPING VALVE

N 7027776.6559
E 2595902.7801
RUSK W.L. P.I. STA. 1+32.12
 $\Delta = 23'03'49''$ LT.
FURNISH & INSTALL
1-8" 22-1/2' BEND

FURNISH & INSTALL
359.25 L.F. 8" P.V.C. W.L.

NOTE:
CONTRACTOR SHALL RECONNECT
ALL WATER SERVICES

PROPOSED CLARK ST. WATER SERVICES

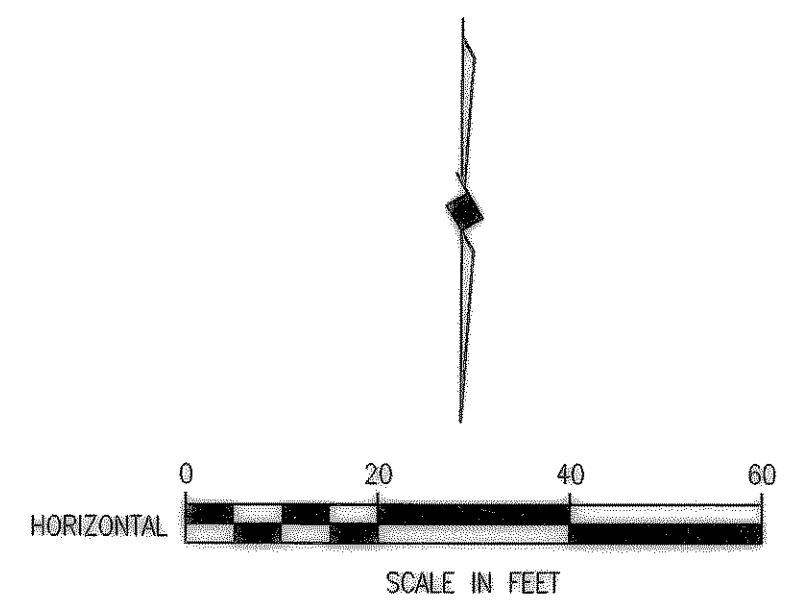
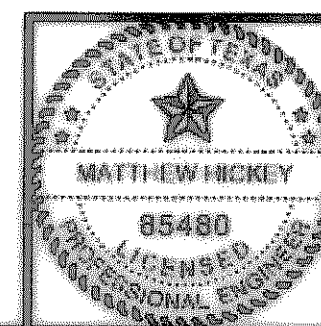
LOCATION	PROPOSED 1" INCH SERVICE
W.L. STA. 1+53.57	41.5 L.F. (LT.)
W.L. STA. 2+56.59	40 L.F. (LT.)
W.L. STA. 3+49.67	9.5 L.F. (RT.)
W.L. STA. 4+17.54	11.5 L.F. (RT.)
TOTAL: 102.5 L.F.	

FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/26/04



- LEGEND**
- PROPOSED WATER SERVICE
 - PROPOSED SEWER SERVICE
 - ▨ CONC. PVMT. REPLACEMENT
 - ▨ HMAC PVMT. REPLACEMENT
 - ▨ GRAVEL REPLACEMENT

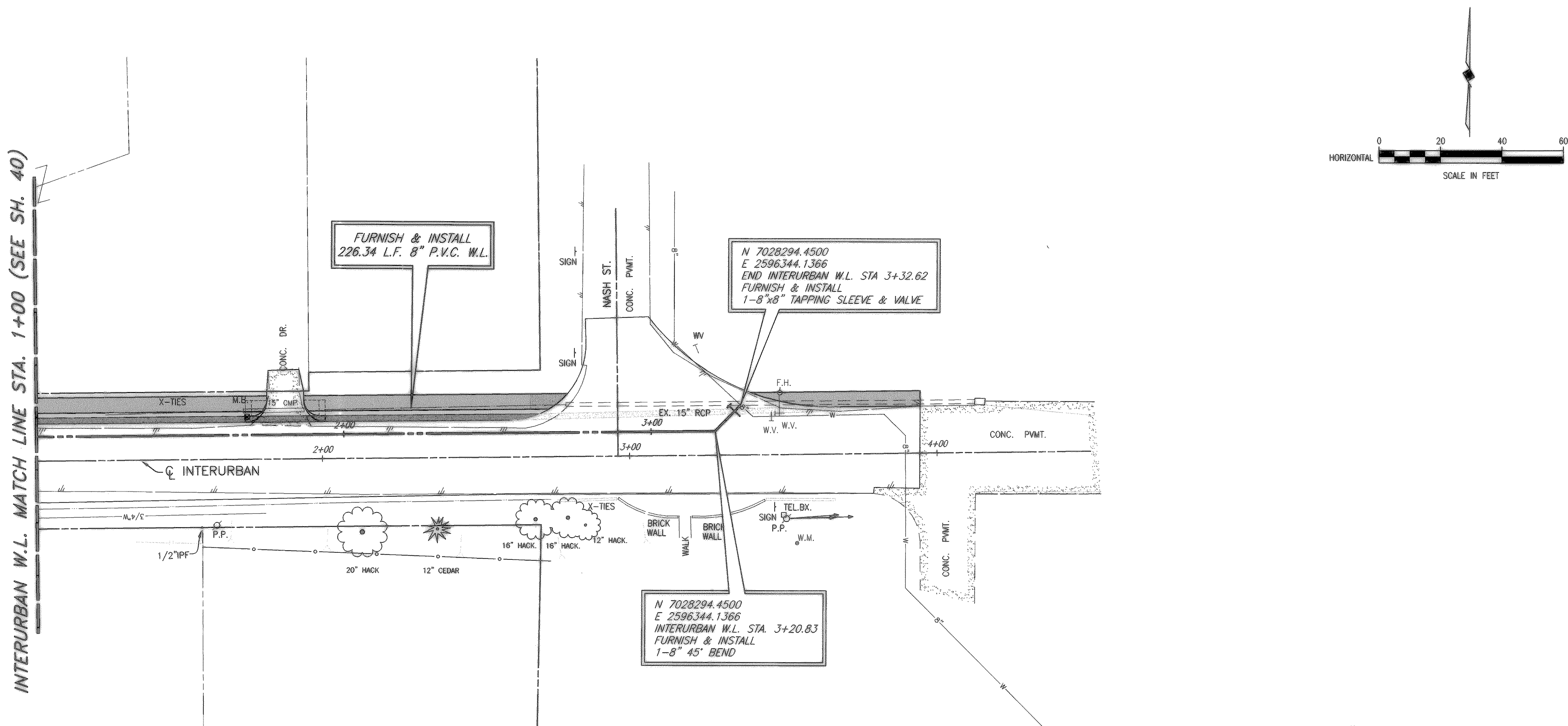
These plans and related specifications
were prepared for construction of this
specific project only. Reuse of these
documents is not permitted without
written authorization of Birkhoff,
Hendricks & Conway, L.L.P.

CITY OF ROCKWALL, TEXAS

CLARK STREET
RUSK ST. WATER LINE PLAN
W.L. STA. 1+00 TO STA. END

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

DESIGNED BY: <u>M.H.</u>	PROJECT: <u>2003-120</u>	SHEET NO. <u>48</u>
DRAWN BY: <u>B.H.C.</u>	DATE: <u>AUGUST, 2004</u>	OF <u>X</u> SHEETS



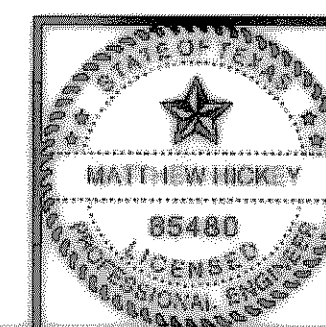
NOTE:
CONTRACTOR SHALL RECONNECT
ALL WATER SERVICES

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.

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/6/04

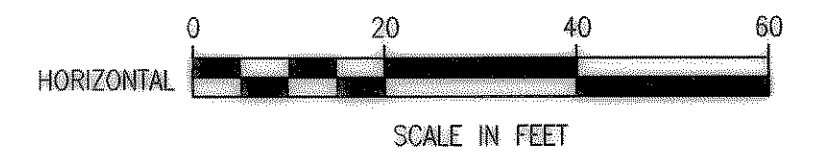


CITY OF ROCKWALL, TEXAS

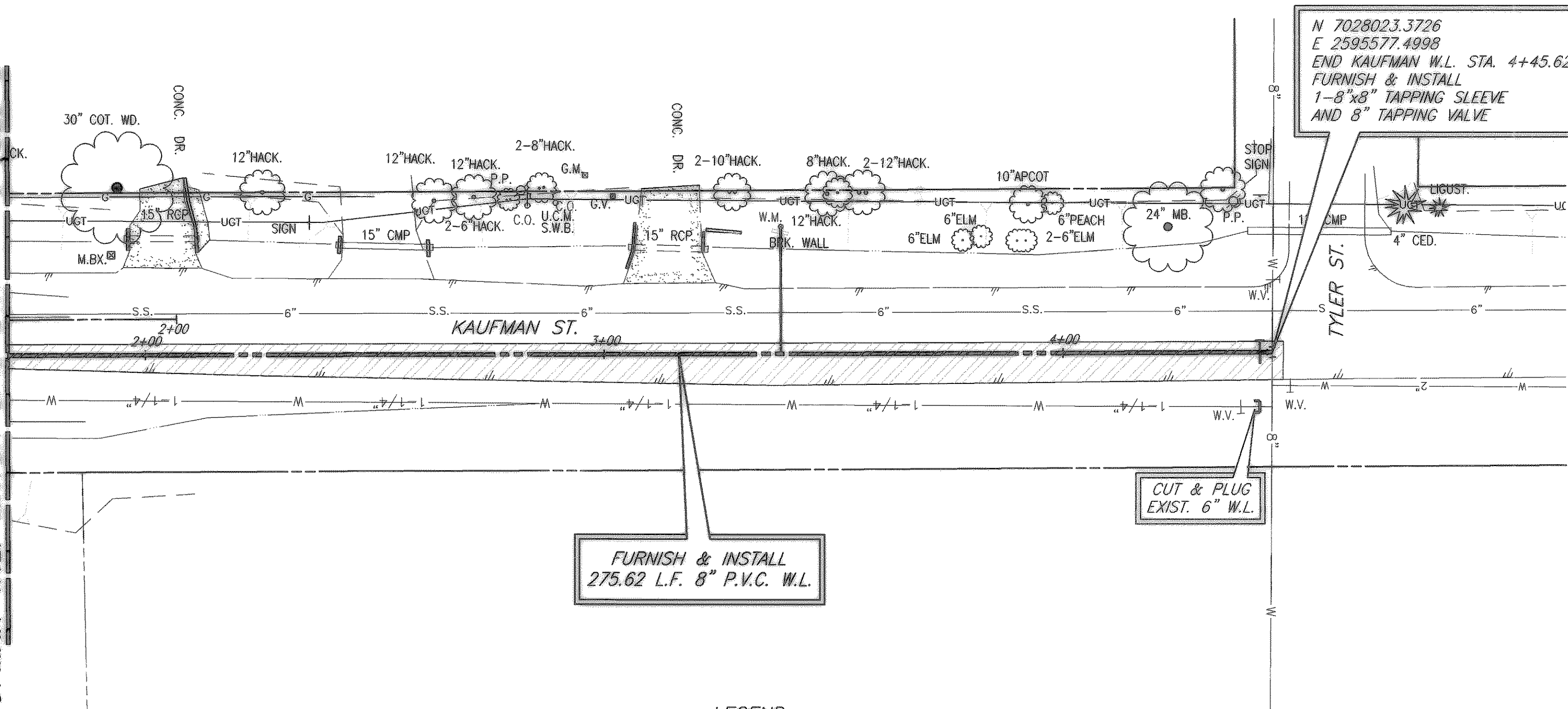
CLARK STREET
INTERURBAN WATER LINE
W.L. STA. 1+00 TO END (STA. 3+26.34)

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

DESIGNED BY: <u>M.H.</u>	PROJECT: <u>2003-120</u>	SHEET NO. <u>50</u>
DRAWN BY: <u>B.H.C.</u>	DATE: <u>AUGUST, 2004</u>	OF <u>X</u> SHEETS



KAUFMAN W.L. MATCH LINE STA. 1+70 (SEE SH. 49)

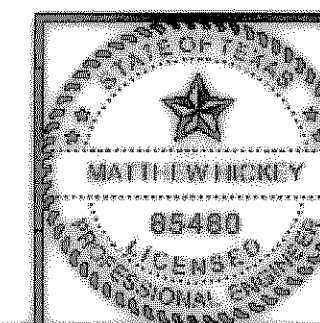


- LEGEND
- PROPOSED WATER SERVICE
 - PROPOSED SEWER SERVICE
 - ▨ HMAC PVMT. REPLACEMENT

PROPOSED KAUFMAN ST. WATER SERVICES	
LOCATION	PROPOSED 1" INCH SERVICE
W.L. STA. 3+38.58	28 L.F. (LT.)
TOTAL: 28 L.F.	
FURNISH & INSTALL PROP. 1" OUTLET AND NEW 1" SDR-9 (POLYTUBE) WATER SERVICE. TRANSFER OF WATER SERVICE SHALL INCLUDE METER BOX, FITTINGS, 1" SERVICE SADDLE, CONNECTION TO EXISTING SERVICE, AND INSTALLATION OF CITY PROVIDED METER AND SHALL BE PAID ON A PER EACH BASIS.	

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
Matthew Hickey
DATE: 8/8/07

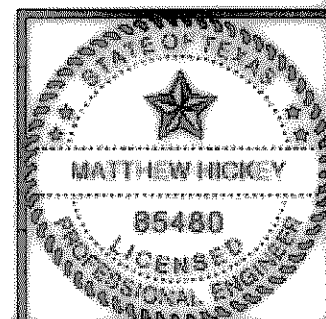


CITY OF ROCKWALL, TEXAS

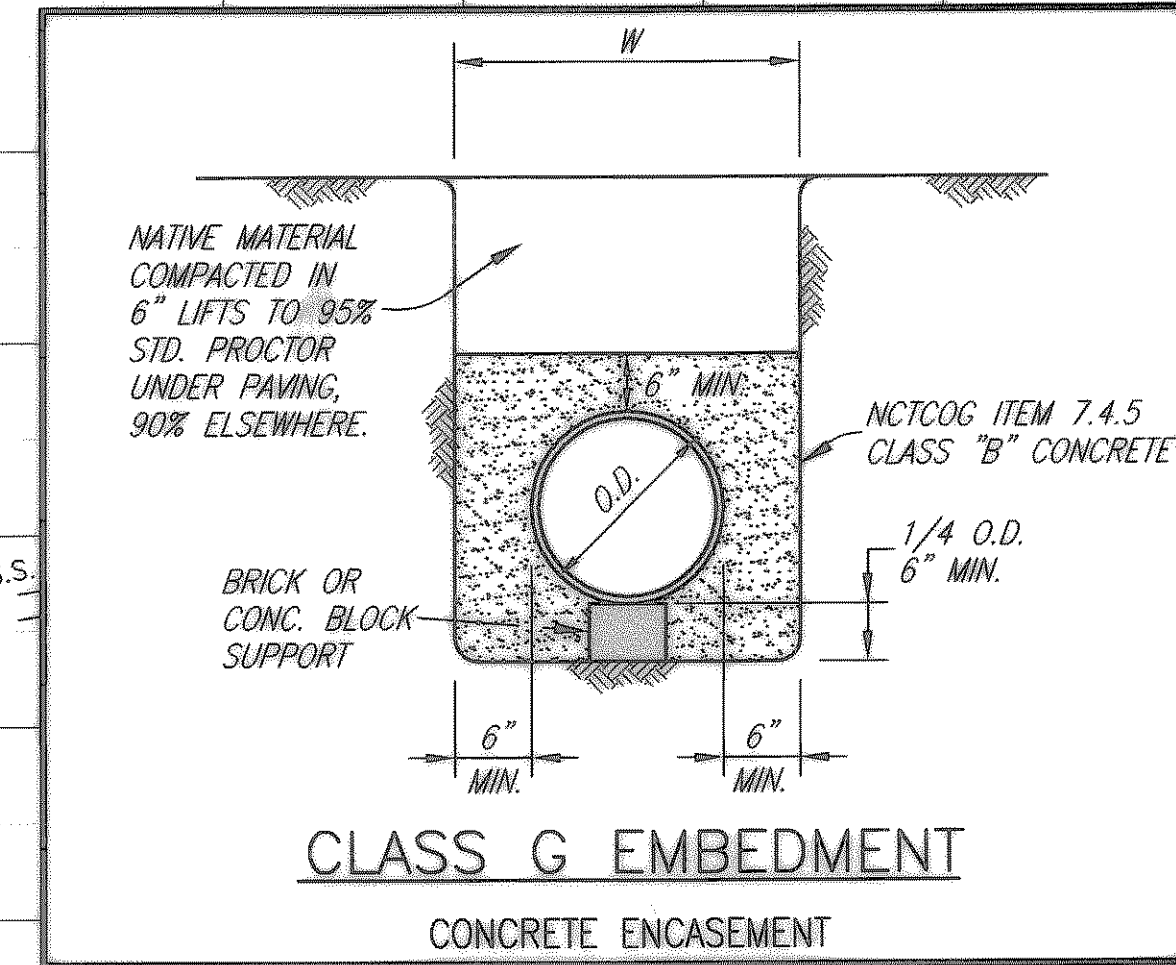
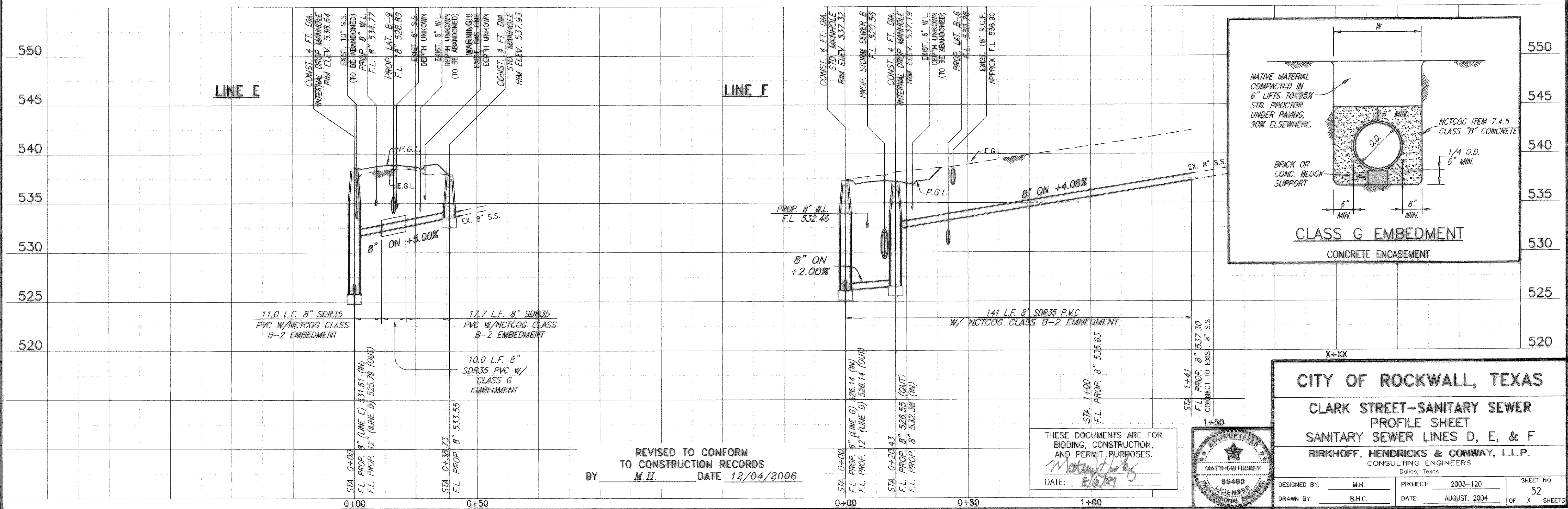
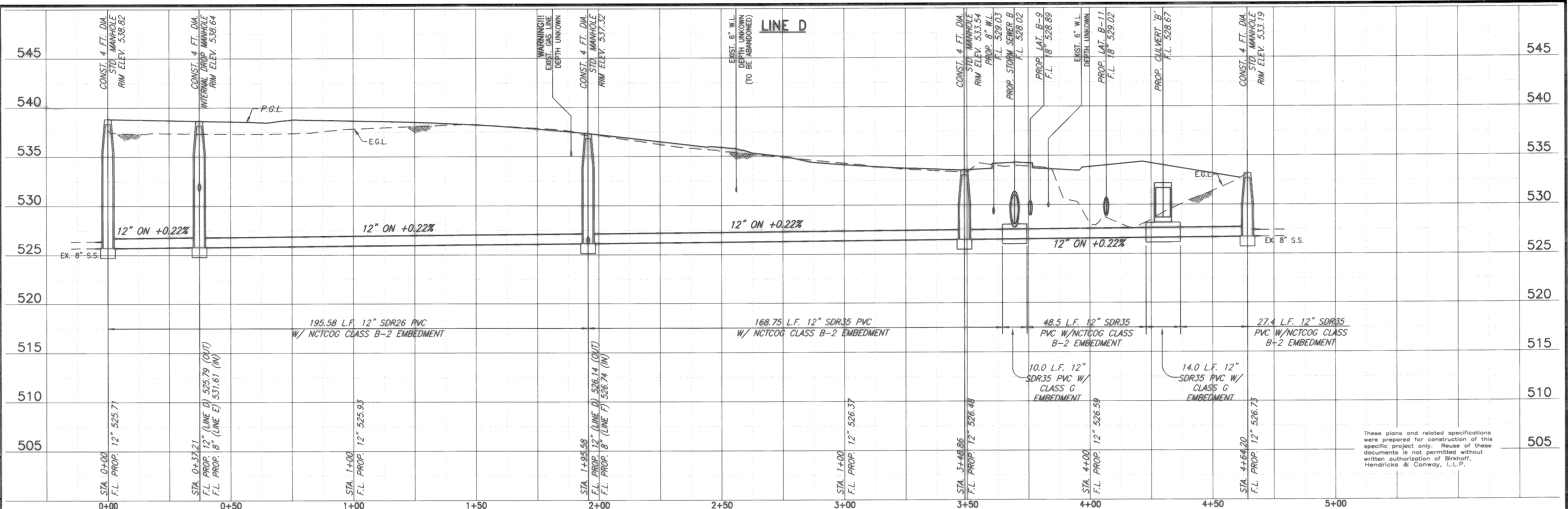
CLARK STREET
KAUFMAN WEST W.L. PLAN
W.L. STA. 1+70 TO ENDBIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: <u>M.H.</u>	PROJECT: <u>2003-120</u>	SHEET NO. <u>49</u>
DRAWN BY: <u>B.H.C.</u>	DATE: <u>AUGUST, 2004</u>	OF <u>X</u> SHEETS

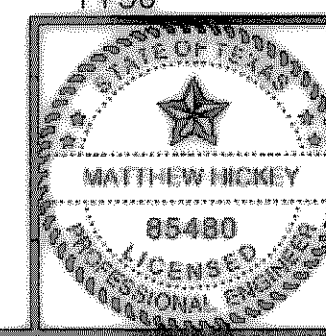
These plans and related specifications
were prepared for construction of this
specific project only. Reuse of these
documents is not permitted without
written authorization of Birkhoff,
Hendricks & Conway, L.L.P.



08/21/04 R.J.L.
H:\ROCKWALL\2003120\PLAN-SHEETS\2003120-SAN-PRO-2.DWG SCALE: 1"=20' BLOCKS: ROCKWALL\2003120\X.Y
XREF: ROCKWALL\2003120\X.Y



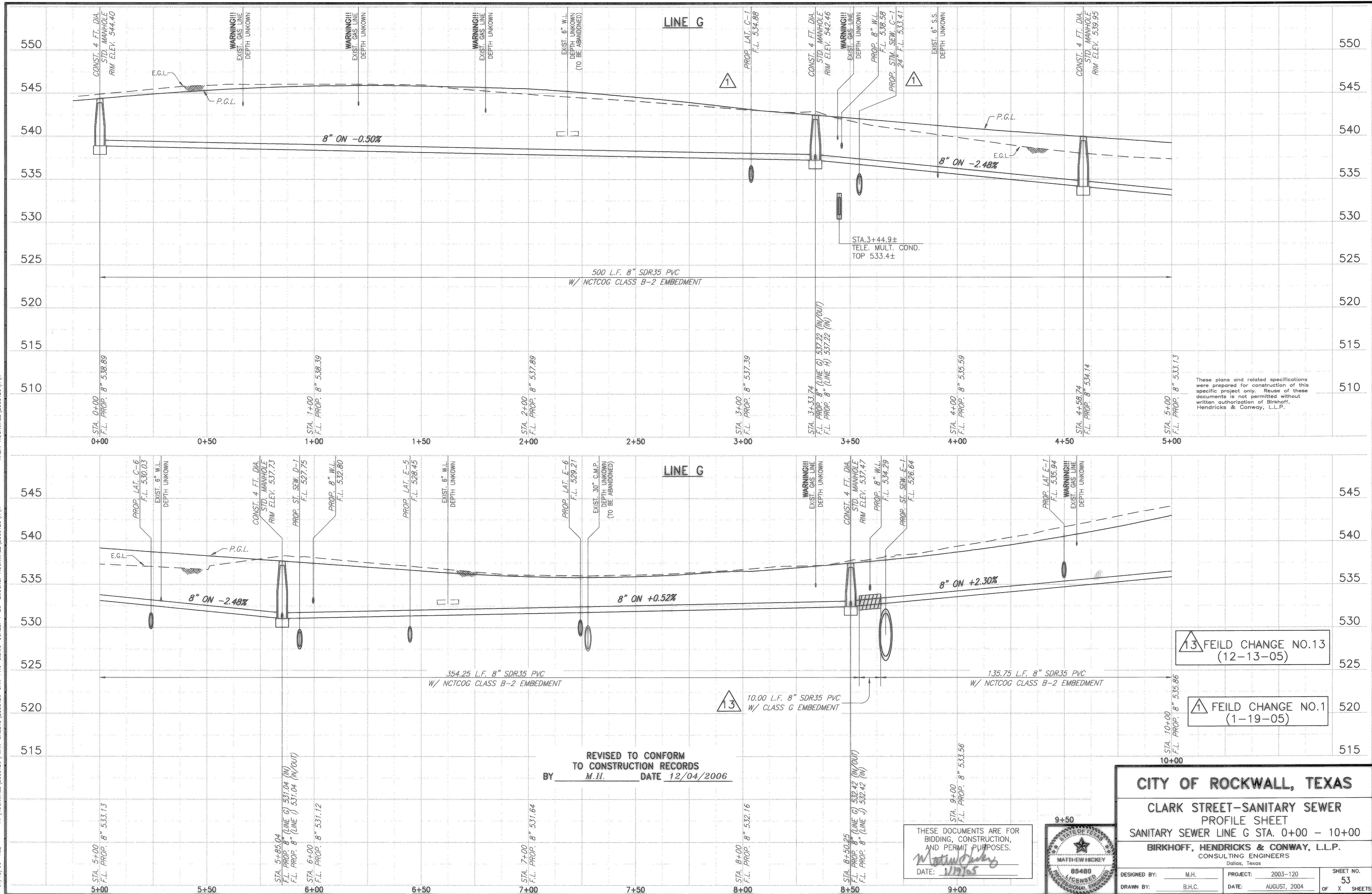
THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
Matthew W. Hickney
DATE: 8/6/04



CITY OF ROCKWALL, TEXAS

CLARK STREET-SANITARY SEWER
PROFILE SHEET
SANITARY SEWER LINES D, E, & F
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

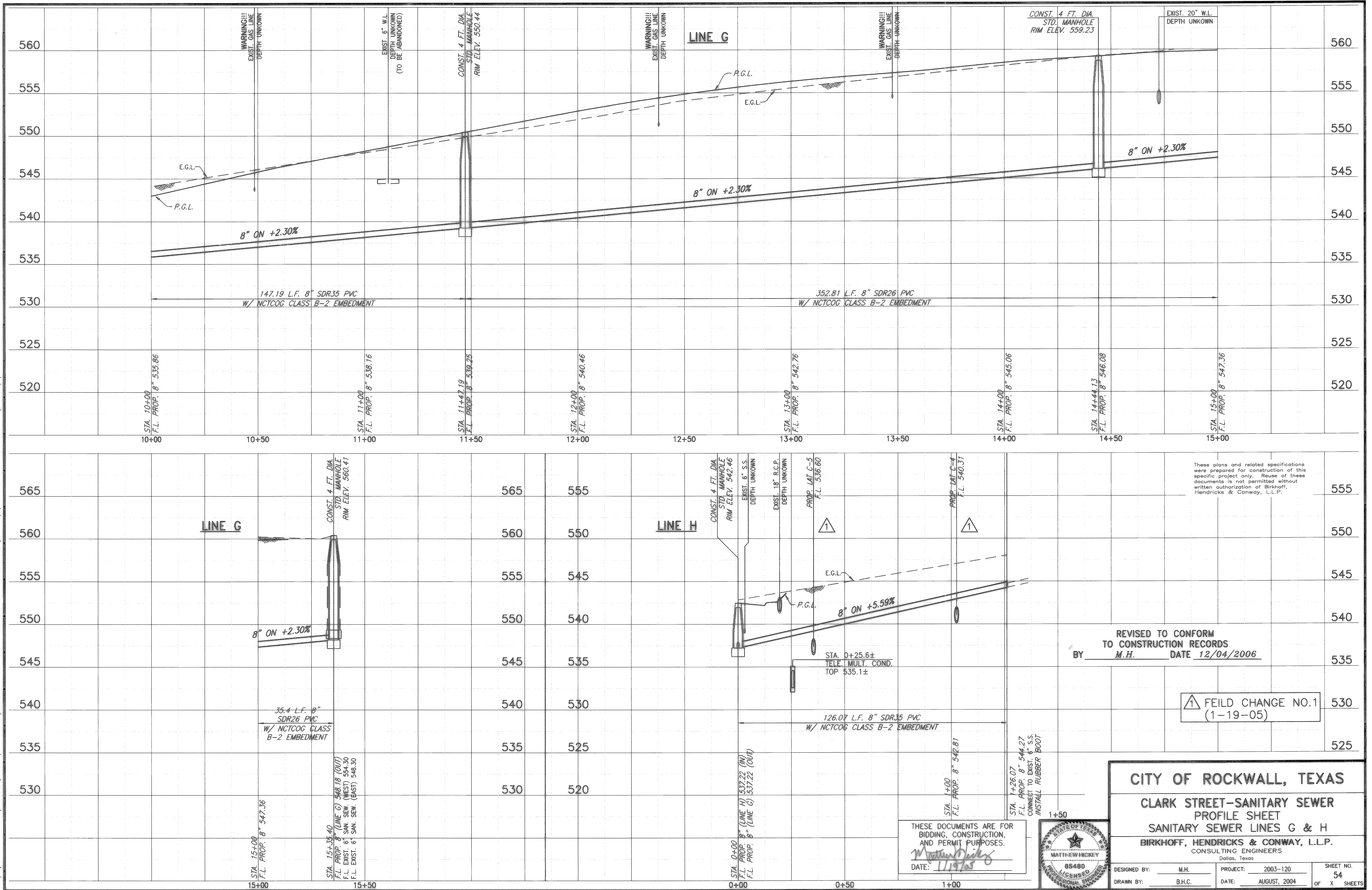
DESIGNED BY: M.H. PROJECT: 2003-120 SHEET NO. 52
DRAWN BY: B.H.C. DATE: AUGUST, 2004 OF X SHEETS

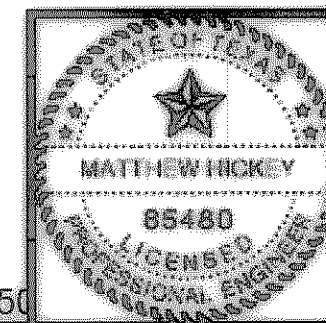


XREF: ROCKWALL 2003120 V V X

H: (ROCKWALL 2003120) PLAN-SHEETS 2003120-SAN-PRO-4.DWG SCALE: 1"=20' BLOCKS: ROCKWALL 2003120 V V X

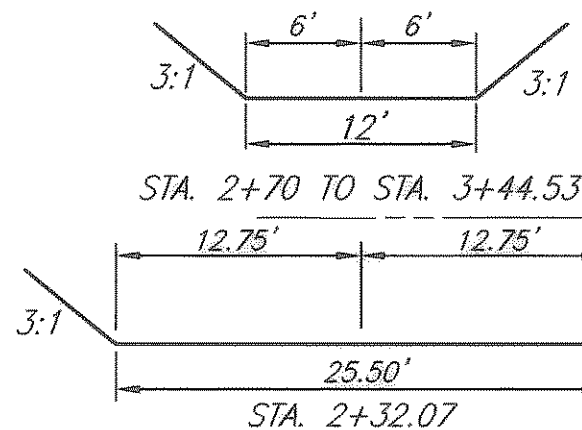
01/16/05 R/L





LEGEND

- PROPOSED STORM SEWER OR INLET
- PROPOSED REINFORCED CONCRETE CHANNEL LINER
- PROPOSED TURF REINFORCED MAT W/HYDROMULCH SEED
- REMOVE EXIST. STORM SEWER
- 2(A) PROPOSED STORM SEWER STATIONING



CHANNEL 'A' TYPICAL SECTIONS

FURNISH & INSTALL 1-27" 45° BEND

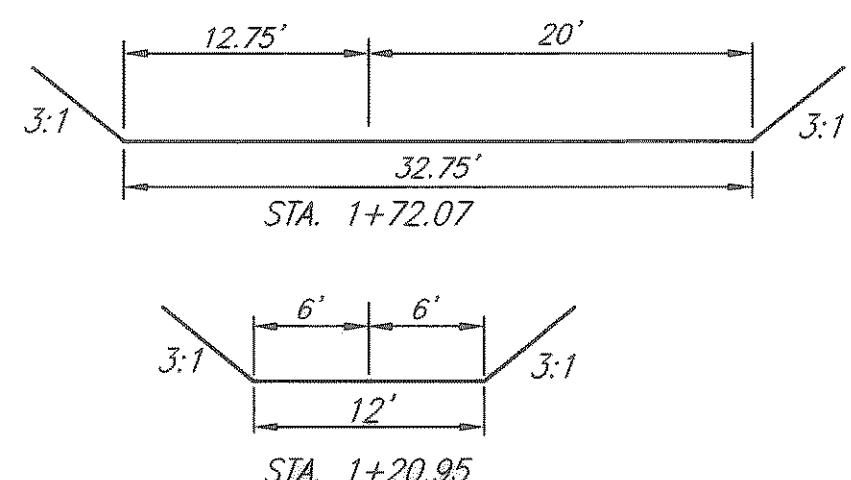
FURNISH & INSTALL 27"x27" COLLAR

FURNISH & INSTALL 27"x27" COLLAR

FURNISH & INSTALL 27"x24" COLLAR

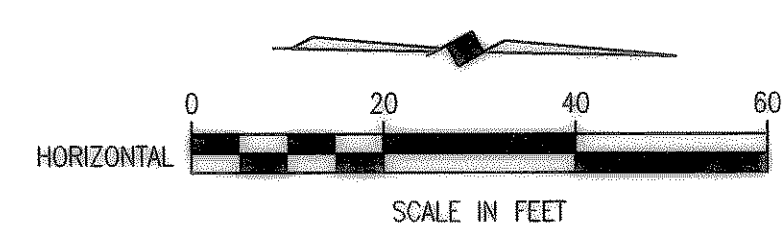
CHANNEL 'A' CURVE DATA

CURVE ① P.C. STA. 1+24.19 N 7025487.8529 E 2596179.4096 $\Delta = 40^\circ 36' 10''$ R = 67.57' T = 25.00' L = 47.88' C.B. = S 54°10'09" W C.D. = 46.89' P.I./P.T. STA. 1+72.07 N 7025460.4063 E 2596141.3970	CURVE ③ P.C. STA. 2+94.83 N 7025402.4724 E 2596058.9539 $\Delta = 26^\circ 18' 46''$ R = 100.00' T = 23.37' L = 45.92' C.B. = S 25°38'28" W C.D. = 45.52' P.T. STA. 3+40.75 N 7025361.4335 E 2596039.2551
CURVE ② P.I./P.C. STA. 2+32.07 N 7025459.2127 E 2596081.4088 $\Delta = 43^\circ 36' 32''$ R = 35.00' T = 14.00' L = 26.64' C.B. = S 34°17'22" W C.D. = 26.00' P.T. STA. 2+58.71 N 7025437.7307 E 2596066.7607	CHANNEL 'AA' CURVE ④ P.C. STA. 0+00 N 7025459.2127 E 2596081.4088 $\Delta = 13^\circ 58' 24''$ R = 79.20' T = 9.71' L = 19.32' C.B. = N 68°53'32" W C.D. = 19.27' P.T. STA. 0+36.53 N 7025466.1515 E 2596063.4336

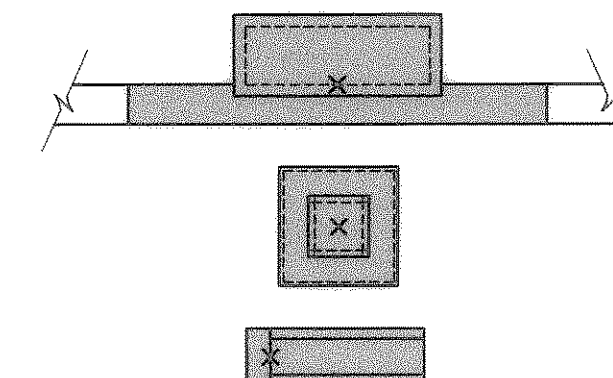


CHANNEL 'A' TYPICAL SECTIONS

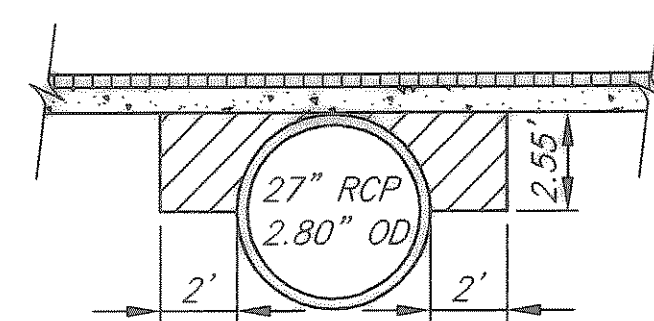
CHANNEL 'A' TYPICAL SECTIONS



INLET REFERENCE POINT



17 CONCRETE ENCASEMENT CAP



CONC. ENCASE CAP EXISTING STORM SEWER FURNISH & INSTALL 1-27" R.C.P. WYE

N 7025460.4063
E 2596141.3970
CHANNEL 'A'
P.C./P.T. STA. 1+72.07
 $\Delta = 14^\circ 23' 22''$ RT.
BEGIN CULVERT 'A'
F.L. 526.25
CONSTRUCT TX DOT TYPE 'PW' HEADWALL W/ HANDRAILS SEE DETAILS

N 7025477.6734
E 2596141.0764
STA. 0+00
BEGIN STORM SEWER LINE 'A'

N 7025487.8529
E 2596179.4096
CHANNEL 'A'
P.C. STA. 1+24.19

N 7025490.6472
E 2596181.0515
CHANNEL 'A'
STA. 1+20.95
BEGIN REINF. CONC. CHANNEL LINER

N 7025535.2209
E 2596207.2418
CHANNEL 'A'
P.I. STA. 0+69.25
 $\Delta = 03^\circ 11' 29''$ LT.

N 7025592.8834
E 2596245.5945
CHANNEL 'A' STA. 0+00
BEGIN CHANNEL 'A' IMPROVEMENTS
F.L. 525.37
(SEE SHEET 76 FOR CHANNEL PROFILE)
(SEE SHEET 79 FOR CHANNEL X-SECT.)

N 7025474.2593
E 2596048.2454
STA. 0+36.53
END REINF. CONC. CHANNEL LINER
F.L. 528.20

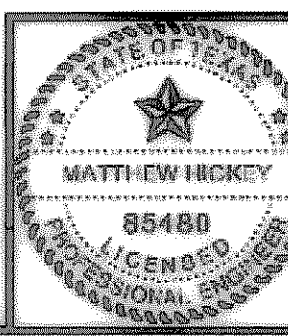
N 7025459.2127
E 2596081.4088
CHANNEL 'AA'
P.I./P.C. STA. 0+00=
CHANNEL 'A'
P.I./P.C. STA. 2+32.07
 $\Delta = 15^\circ 15' 39''$ RT.
END CULVERT 'A'
F.L. 526.55
CONSTRUCT TX DOT TYPE 'PW' HEADWALL W/ HANDRAILS SEE DETAILS

STA. 2+09, 13' LT.
CONST. 20' STD. INLET A9
T.C. 531.30
F.L. 527.70

STA. 2+09, 13' RT.
CONST. 10' STD. INLET A8
T.C. 531.30
F.L. 527.70

REVISED TO CONFORM TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.
DATE: 8/24/06



NOTE: UNLESS SHOWN TO REMAIN, THE CONTRACTOR SHALL REMOVE & DISPOSE OF EXIST. STM. SEW. PIPE, INLETS, HEADWALL & CULVERTS. REMOVAL OF EXIST. STM. SEW. PIPE, INLETS & CULVERTS SHALL BE PAID UNDER THE APPROPRIATE BID SCHEDULE ITEM FOR SITE PREPARATION.

T.B.M. 2884
CLARK ST. & SOUTH OF
BOYDSTUN ST.
N:7025217.8375
E:2596128.8878
EL=537.38

CITY OF ROCKWALL, TEXAS

CLARK STREET STORM SEWER PLAN-1 LINE 'A' - STA 0+00 TO STA. 3+00

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

DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 60
DRAWN BY: B.H.C.	DATE: AUGUST, 2004	OF X SHEETS



LAT. 'A4' CURVE DATA

CURVE ①

P.C. STA. 0+19.51
N 7025855.8363
E 2596085.6389

$\Delta = 1758'30''$
 $R = 67.00'$
 $T = 10.60'$
 $L = 21.02'$
C.B. = N 70°07'38" W
C.D. = 20.93'

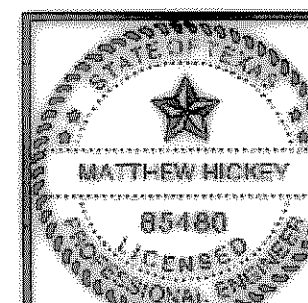
P.T. STA. 0+40.53
N 7025862.9522
E 2596065.9520

LAT. 'ASB' CURVE DATA
CURVE ②
P.C. STA. 0+66.91
N 7025831.5702
E 2595994.1320
$\Delta = 172^{\circ}27'42''$
R = 66.00'
T = 10.14'
L = 20.11'
C.B. = S 80°22'9" W
C.D. = 20.04'
P.T. STA. 0+87.02
N 7025828.2181
E 2595974.3777

BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/16/04



CITY OF ROCKWALL, TEXAS

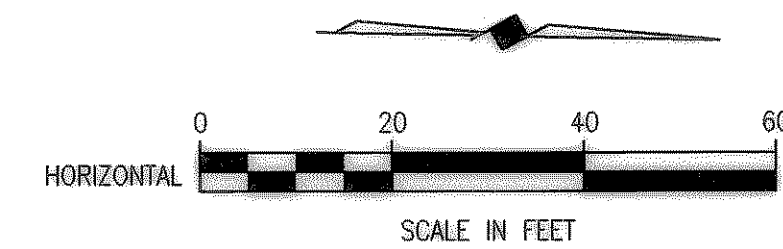
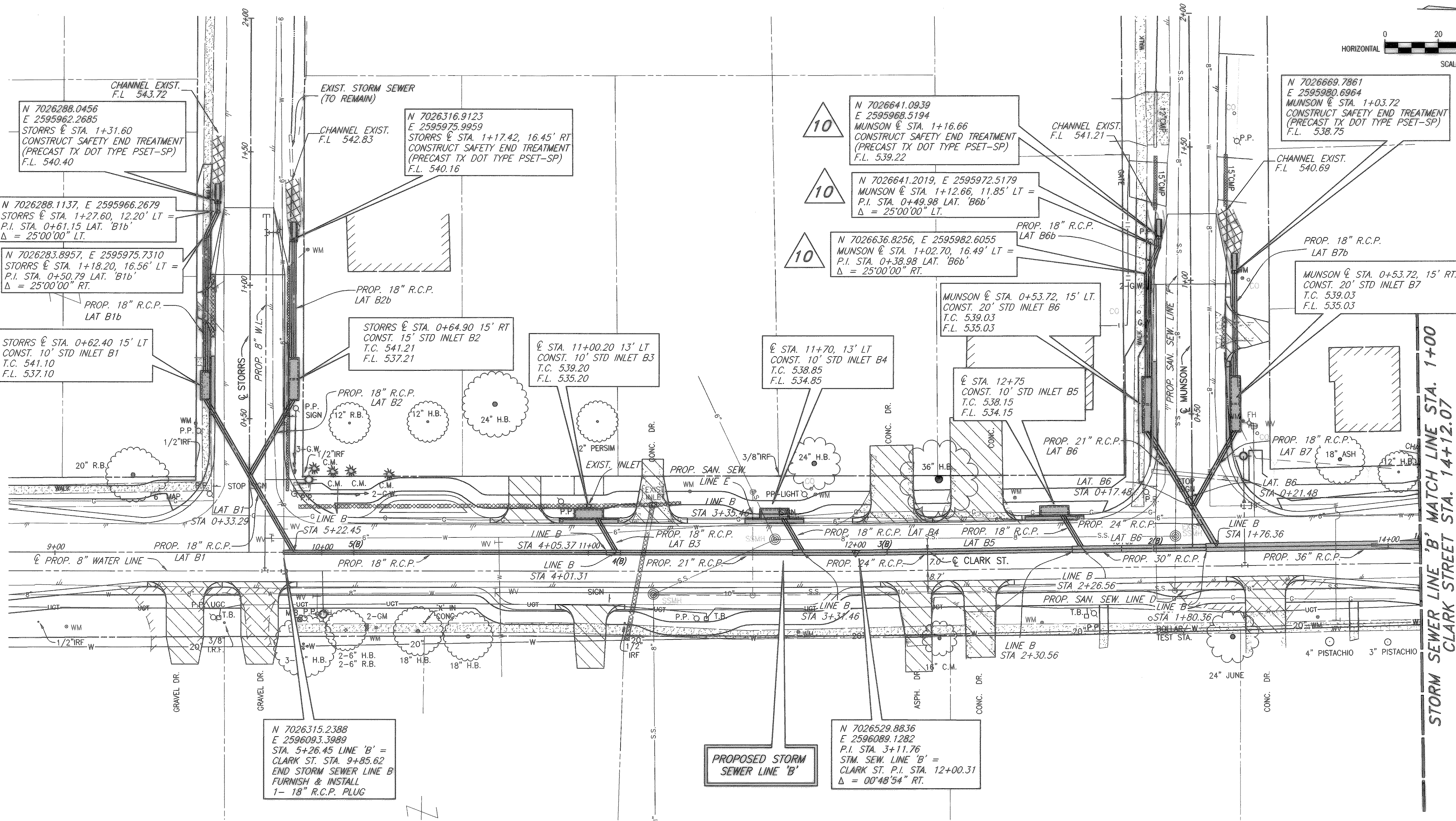
CLARK STREET
STORM SEWER PLAN-2
LINE 'A' - STA 3+00 TO STA. 6+91.72

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

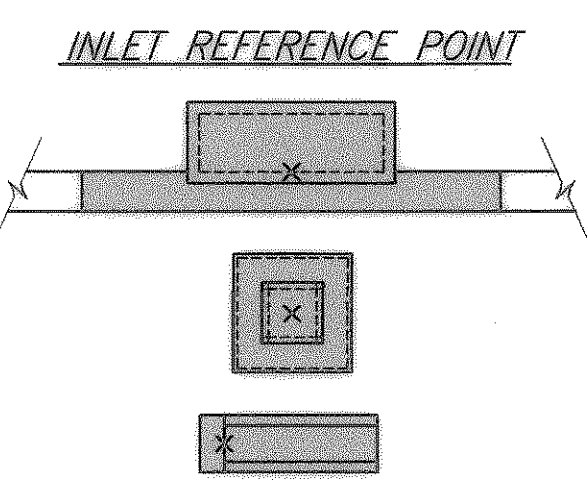
DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 61
DRAWN BY: B.H.C.	DATE: AUGUST, 2004	OF X SHEETS

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.

09/14/05 KAB H:\ROCKWALL\2003120\PLAN-SHEETS\2003120-STM-P-03.DWG SCALE: 1"=20' XREF: ROCKWALL\2003120\BASE\PROP-BASE

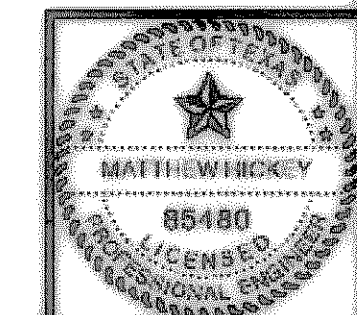


- LEGEND**
- PROPOSED STORM SEWER OR INLET
 - PROPOSED TURF REINFORCED MAT W/HYDROMULCH SEED
 - REMOVE EXIST. STORM SEWER
 - 4(B) PROPOSED STORM SEWER STATIONING



REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
Matthew Hickey
DATE: 8/6/04



10 FIELD CHANGE NO. 10

CITY OF ROCKWALL, TEXAS

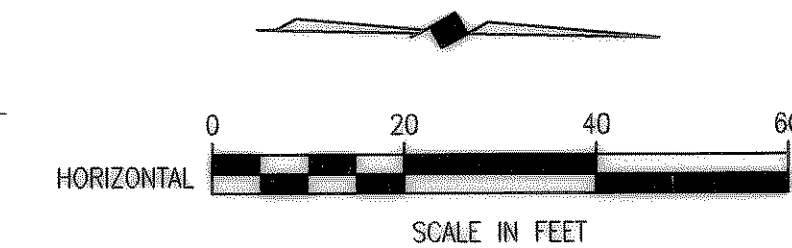
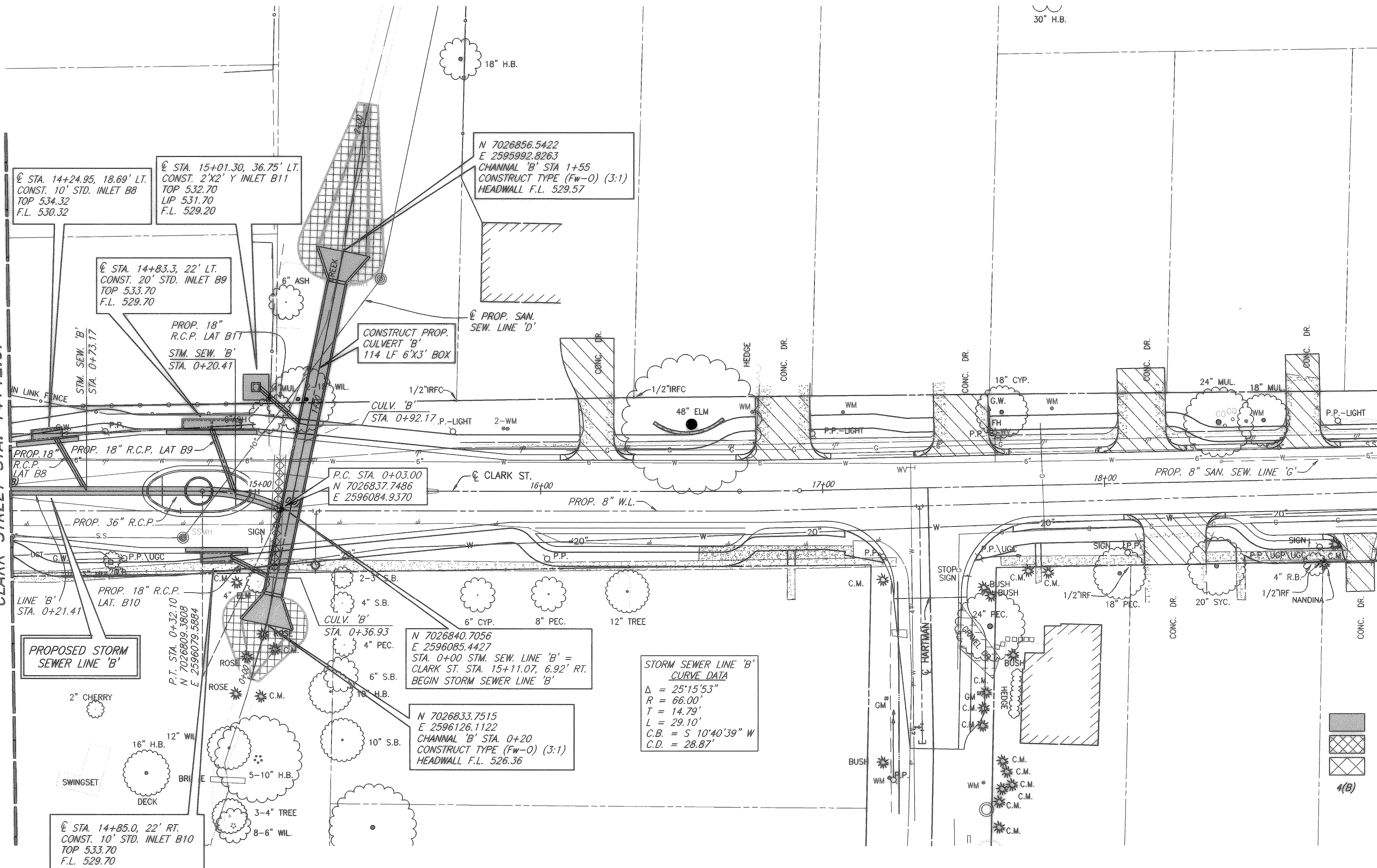
**CLARK STREET
STORM SEWER PLAN-3
LINE 'B' STA 5+26.45 TO STA. 1+00**

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

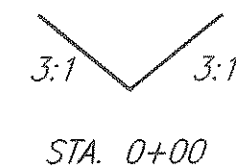
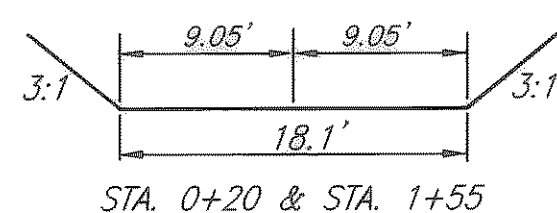
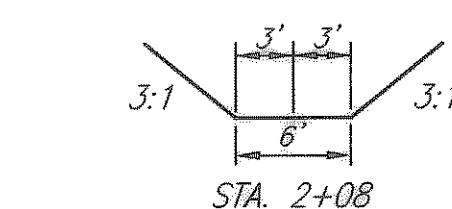
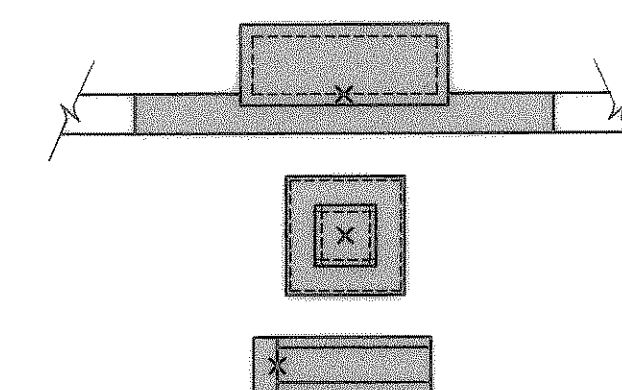
DESIGNED BY: <u>M.H.</u>	PROJECT: <u>2003-120</u>	SHEET NO. <u>62</u>
DRAWN BY: <u>B.H.C.</u>	DATE: <u>AUGUST, 2004</u>	OF <u>X</u> SHEETS

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.

STORM SEWER LINE 'B' MATCH LINE STA. 1+00
CLARK STREET STA. 14+12.07



INLET REFERENCE POINT



CHANNEL 'B' TYPICAL SECTIONS

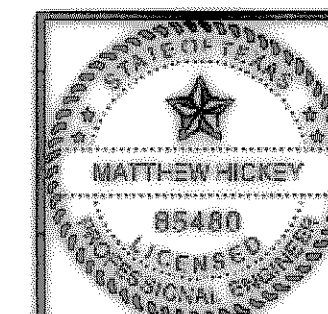
LEGEND

- PROPOSED STORM SEWER OR INLET
- PROPOSED TURF REINFORCED MAT W/HYDROMULCH SEED
- REMOVE EXIST. STORM SEWER
- PROPOSED STORM SEWER STATIONING

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.

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

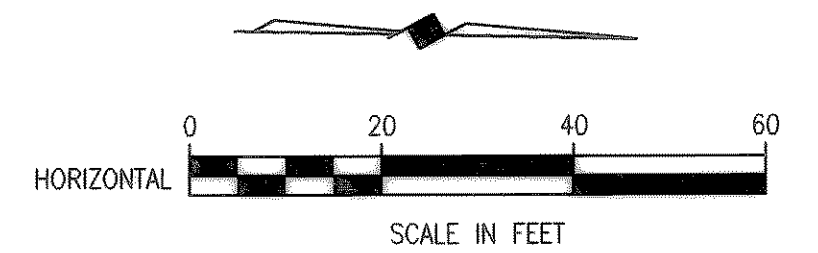
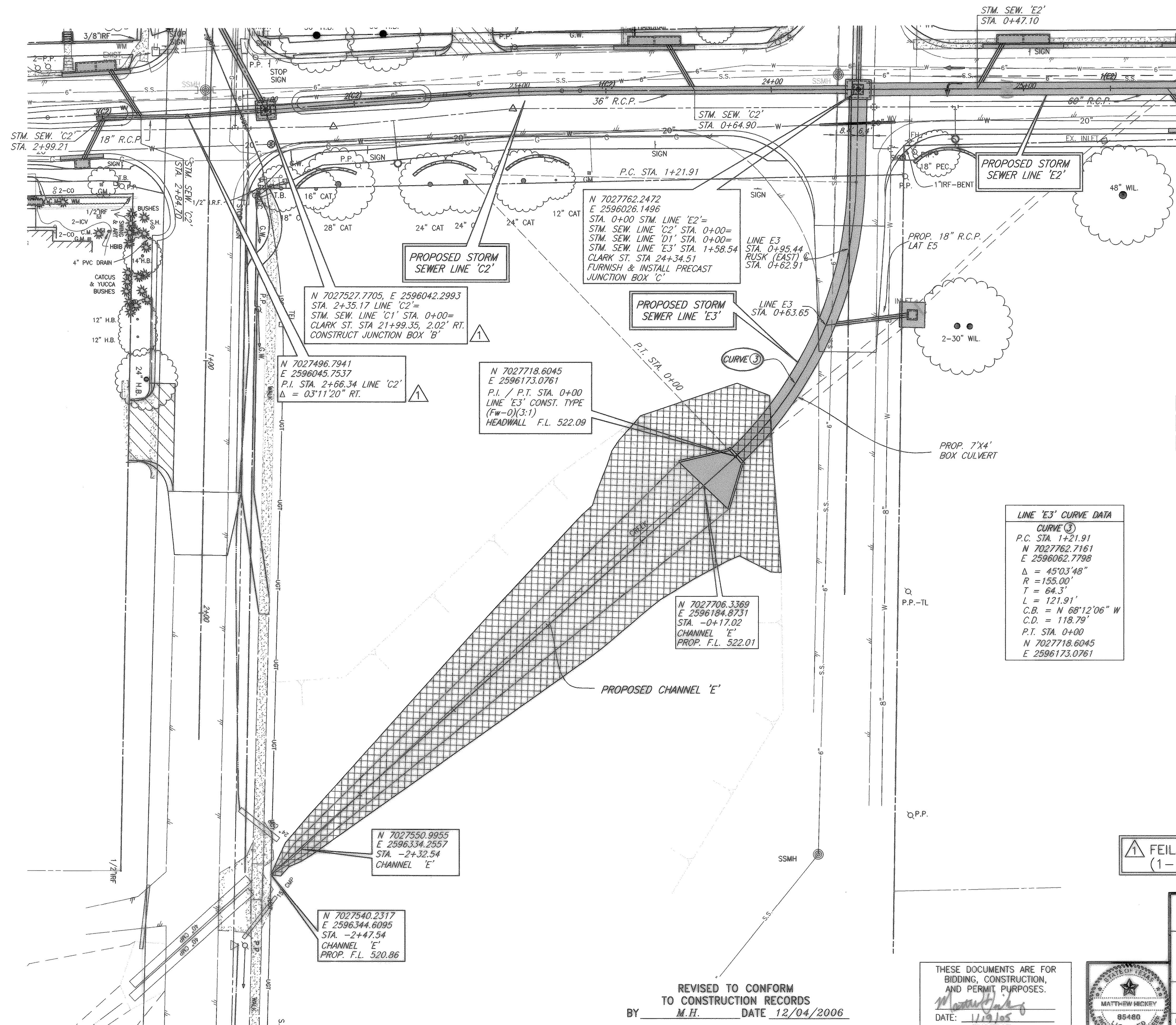
THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
Matthew Hickey
DATE: 12/04/2006



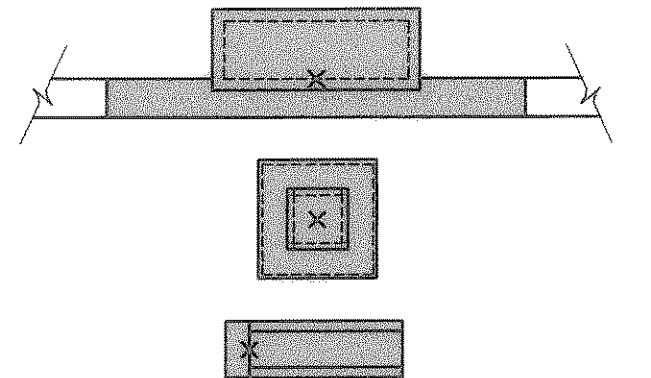
CITY OF ROCKWALL, TEXAS

CLARK STREET
STORM SEWER PLAN-4
LINE 'B' - STA 1+00 TO STA. 0+00
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: M.H. PROJECT: 2003-120
DRAWN BY: B.H.C. DATE: AUGUST, 2004
SHEET NO. 63 OF X SHEETS

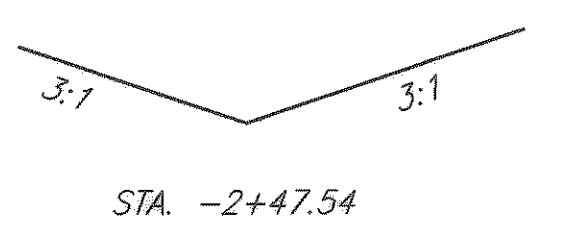
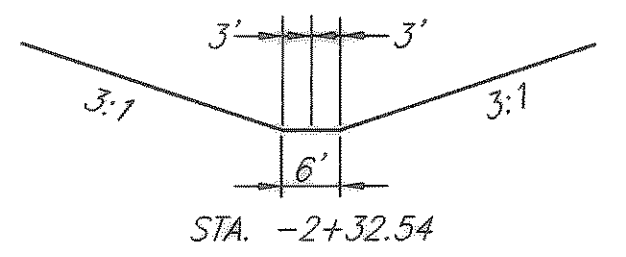
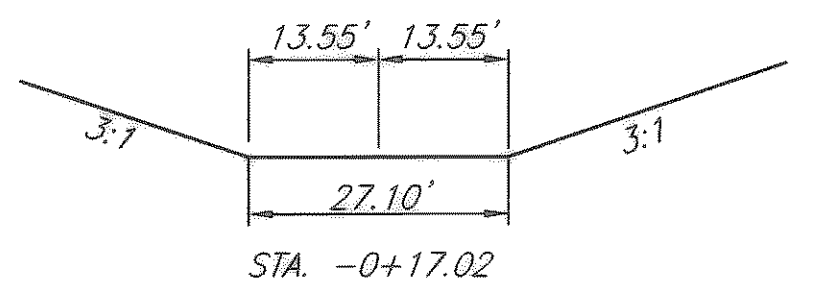


INLET REFERENCE POINT



LEGEND

- PROPOSED STORM SEWER OR INLET
- PROPOSED TURF REINFORCED MAT W/HYDROMULCH SEED
- REMOVE EXIST. STORM SEWER
- PROPOSED STORM SEWER STATIONING



CHANNEL 'E' TYPICAL SECTIONS

LINE 'E3' CURVE DATA	
CURVE ③	
P.C. STA.	1+21.91
N	7027762.7161
E	2596062.7798
Δ	45°03'48"
R	155.00'
T	64.3'
L	121.91'
C.B. = N	68°12'06" W
C.D. =	118.79'
P.T. STA.	0+00
N	7027718.6045
E	2596173.0761

1 FIELD CHANGE NO.1
(1-19-05)

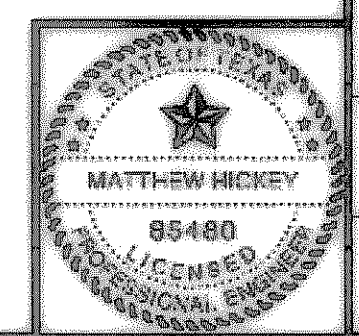
CITY OF ROCKWALL, TEXAS

CLARK STREET
STORM SEWER PLAN-5
LINES 'C1', 'C2', 'D1', 'E2', & 'E3'

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

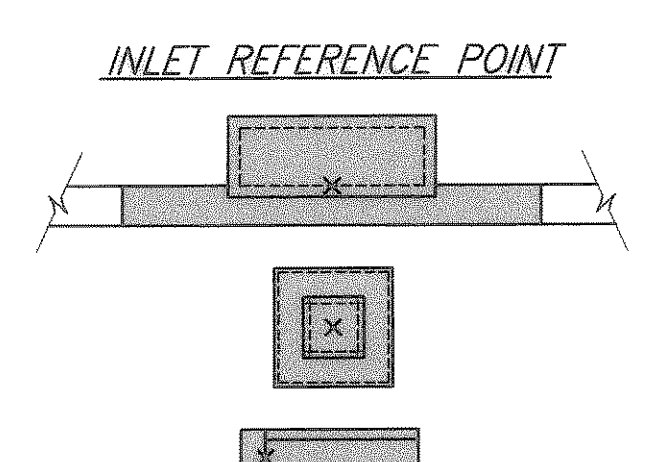
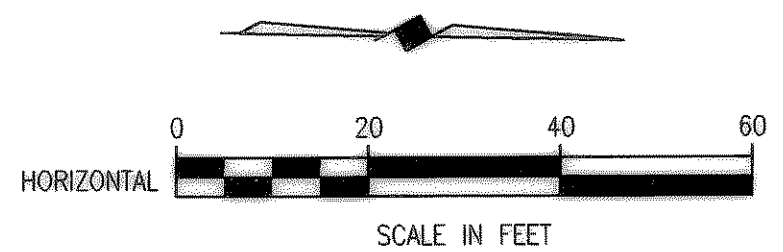
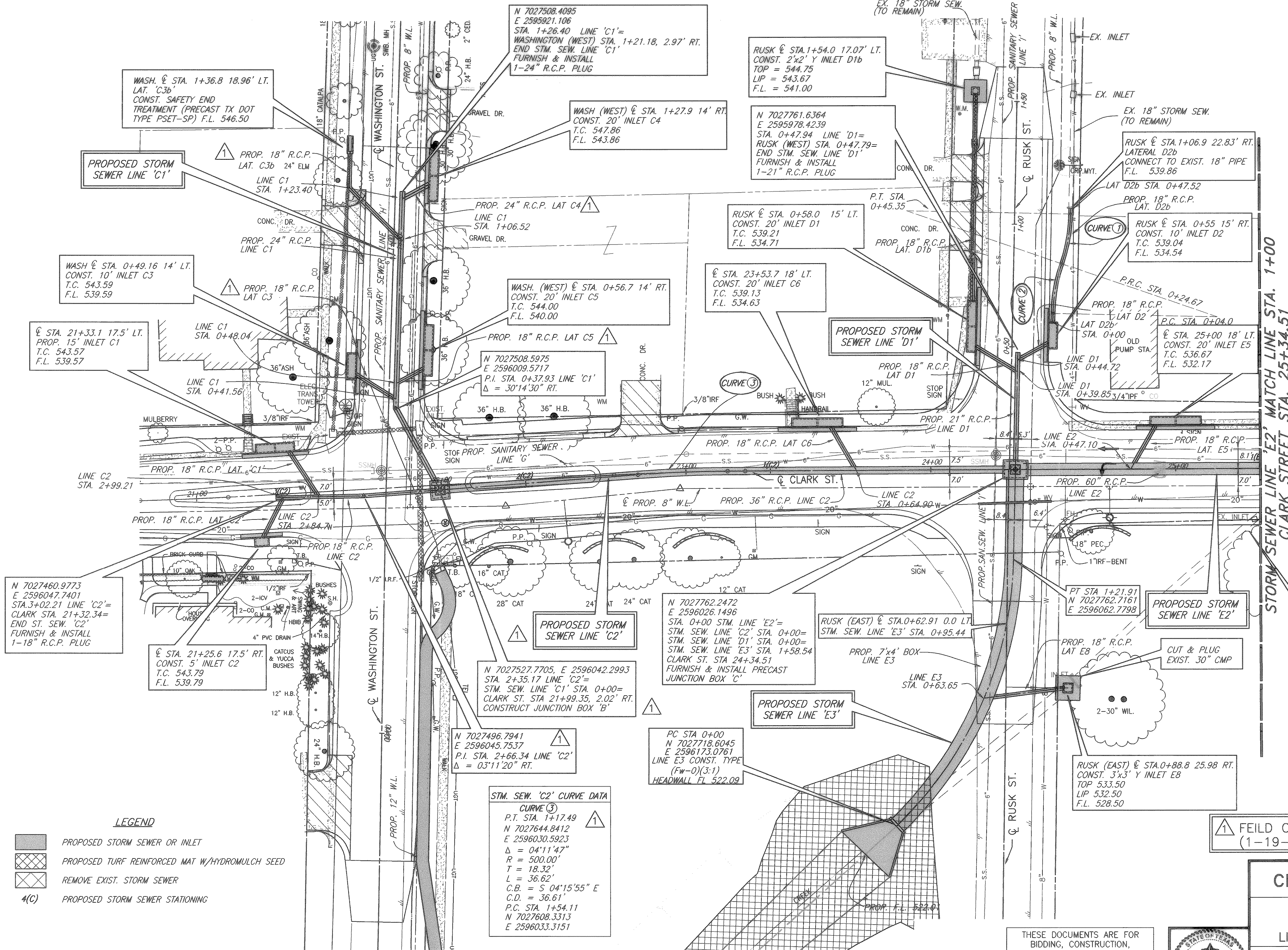
DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 64
DRAWN BY: G.C.	DATE: AUGUST, 2004	OF SHEETS

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
DATE: 11/9/05



REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

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.



REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

REMOVE EXIST. INLET
CUT & PLUG
EXIST. 30" CMP

LAT. 'D2b' CURVE DATA	LAT. 'D2b' CURVE DATA
CURVE 1 P.T. STA. 0+47.52 N 7027781.2169 E 2595919.0745 Δ = 17°40'45" R = 67.00' T = 10.42' L = 20.67' C.B. = N 81°53'37" W C.D. = 20.59' P.R.C. STA. 0+24.67 N 7027778.3412 E 2595941.6374	CURVE 2 P.R.C. STA. 0+24.67 N 7027778.3412 E 2595941.6374 Δ = 17°40'45" R = 67.00' T = 10.42' L = 20.67' C.B. = N 81°53'37" W C.D. = 20.59' P.C. STA. 0+04.00 N 7027775.4376 E 2595962.0233

FEILD CHANGE NO.1
(1-19-05)

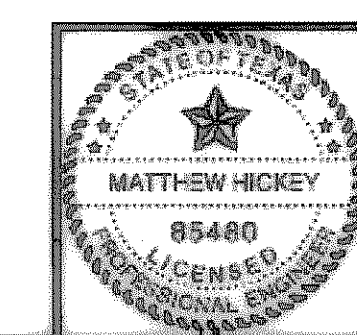
CITY OF ROCKWALL, TEXAS

CLARK STREET
STORM SEWER PLAN-5
LINES 'C1', 'C2', 'D1', 'E2', & 'E3'

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

DESIGNED BY: M.H. PROJECT: 2003-120 SHEET NO. 65
DRAWN BY: G.C. DATE: AUGUST, 2004 OF SHEETS

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
DATE: 1/18/05

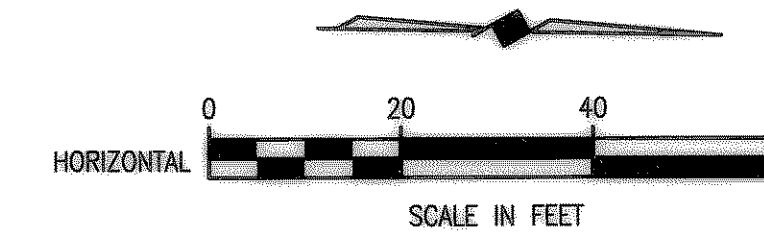
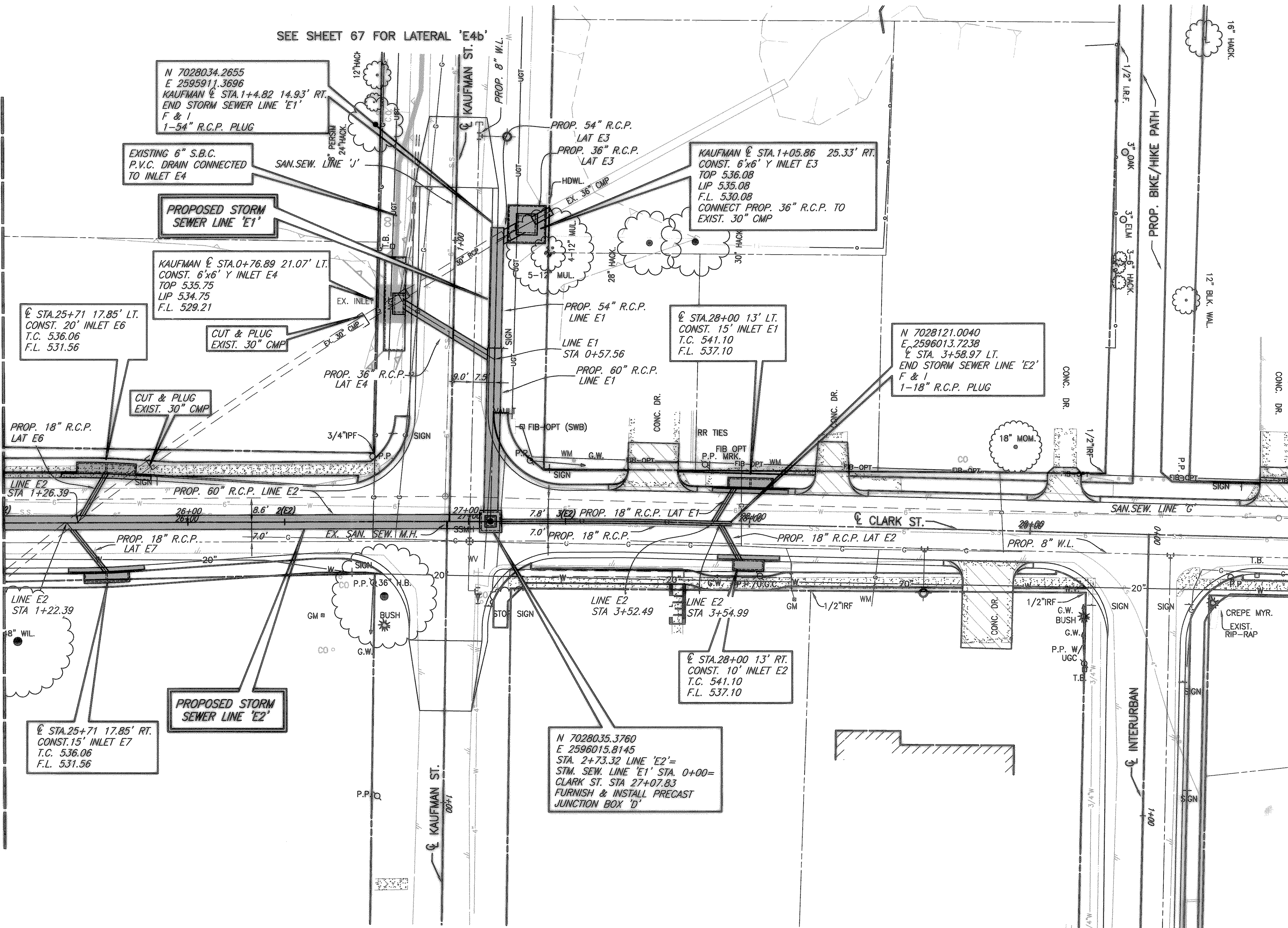


These plans and related specifications
were prepared for construction of this
specific project only. Reuse of these
documents is not permitted without
written authorization of Birkhoff,
Hendricks & Conway, L.L.P.

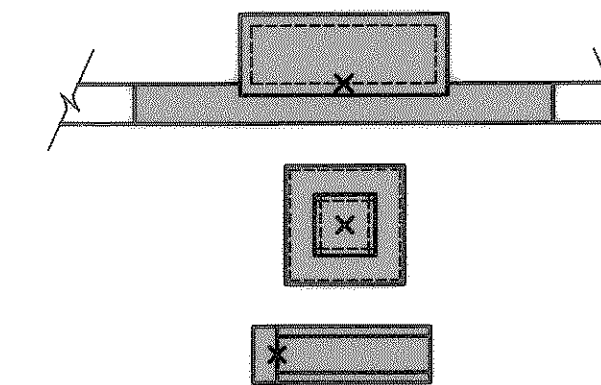
STORM SEWER LINE 'E2' MATCH LINE STA. 1+00
CLARK STREET STA. 25+34.51

SEE SHEET 67 FOR LATERAL 'E4b'

- LEGEND**
-  PROPOSED STORM SEWER OR INLET
 -  PROPOSED TURF REINFORCED MAT W/HYDROMULCH SEED
 -  REMOVE EXIST. STORM SEWER
 -  PROPOSED STORM SEWER STATIONING



INLET REFERENCE POINT



T.B.M. 2176
SQ. CUT ON WEST HEADWALL
OF CLARK ST. & NORTH OF ST.
MARY ST.
N:7025946.3986
E:2596088.3176
EL=533.99

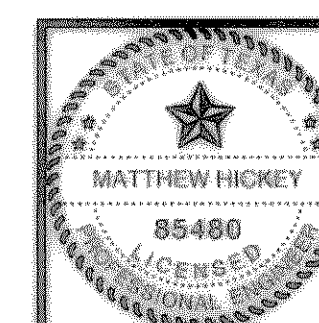
T.B.M. 2884
SQ. CUT IN INLET EAST OF CLARK
ST. & SOUTH OF BOYDSTUN ST.
N:7025217.8375
E:2596128.8878
EL=537.38

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.

CITY OF ROCKWALL, TEXAS

CLARK STREET
STORM SEWER PLAN-6
LINES E1 & E2

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



REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

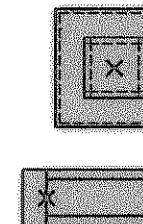
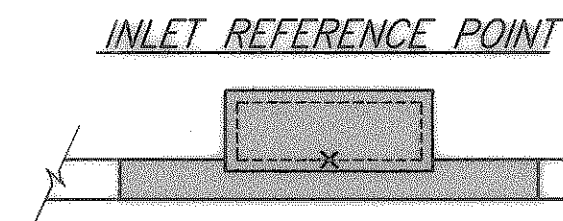
THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
DATE: 8/6/04

DESIGNED BY: M.H. PROJECT: 2003-120 SHEET NO. 66
DRAWN BY: B.H.C. DATE: AUGUST, 2004 OF X SHEETS

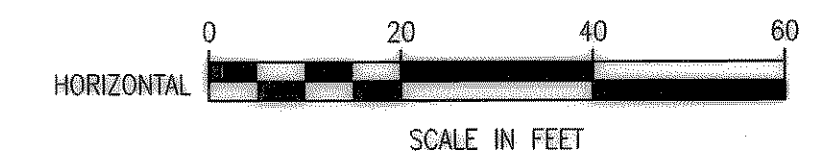
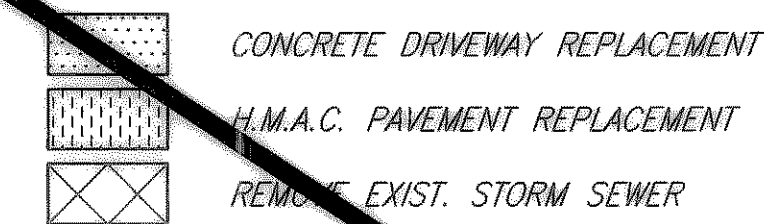


~~STORM SEWER LINE 'E4b' MATCH LINE STA. 4+00~~

STORM SEWER LINE 'E4b' MATCH LINE STA. 4+00



LEGEND



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.

B

REVISED TO CONFORM
TO CONSTRUCTION RECORDS

M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.

DATE: 8/6/99



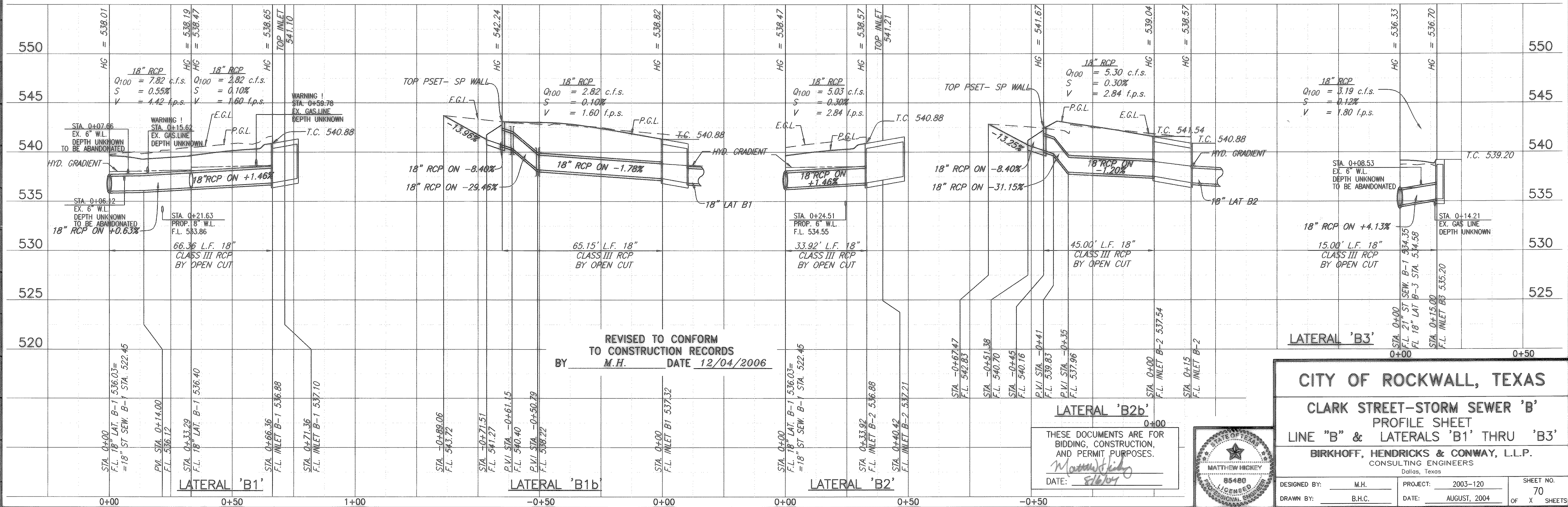
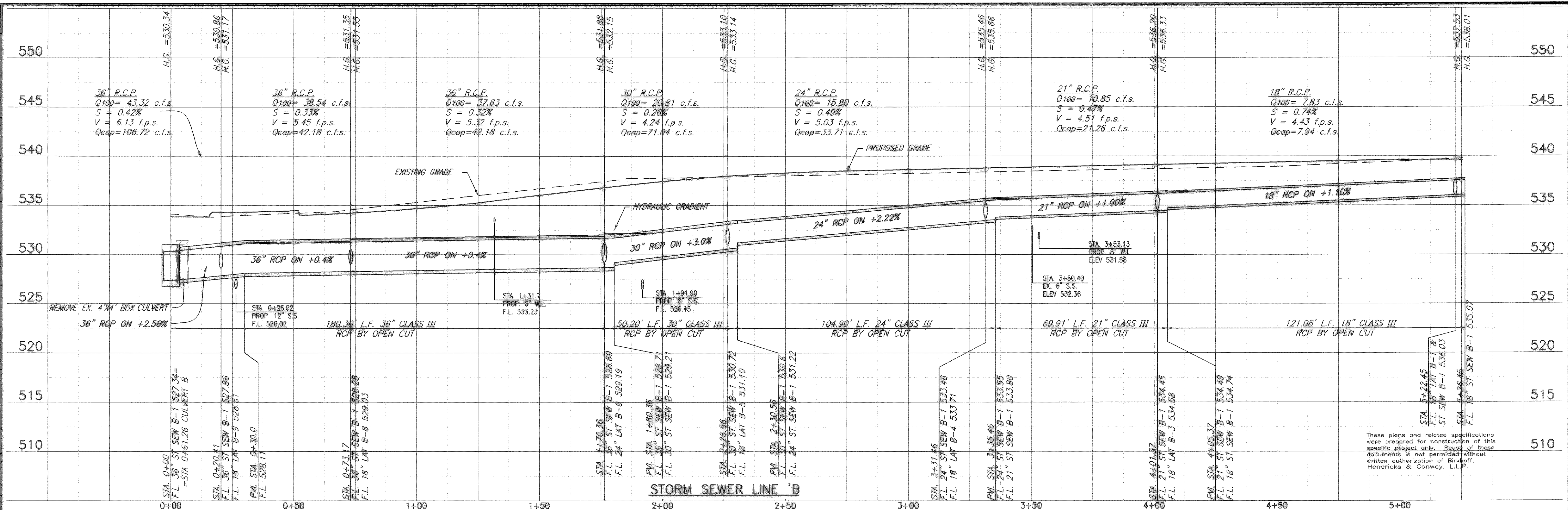
CITY OF ROCKWALL, TEXAS

CLARK STREET- KAUFMAN ST.
SBC STORM SEWER CONNECTION PLAN-7
LATERAL E4b STA 0+00 STA. 6+13.65

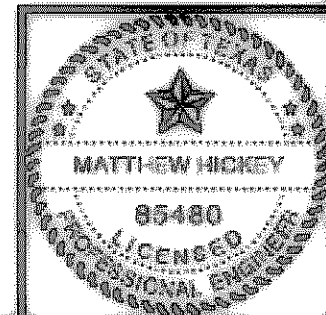
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

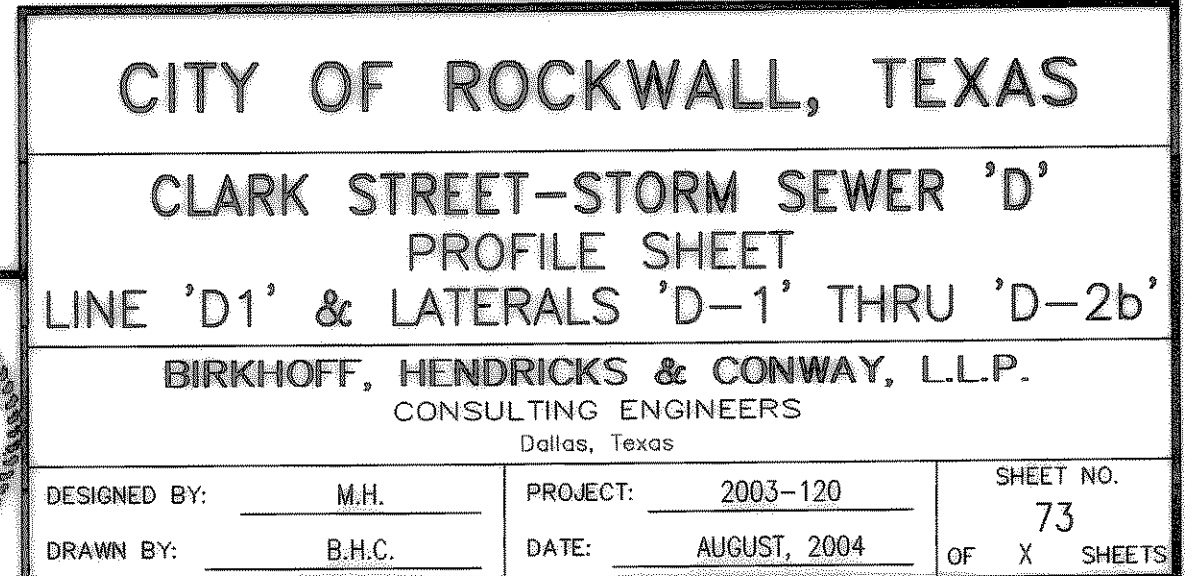
DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 67
DRAWN BY: R.J.L.	DATE: AUGUST, 2004	OF 1 SHEETS

5 FIELD CHANGE NO. 5 01/17/06

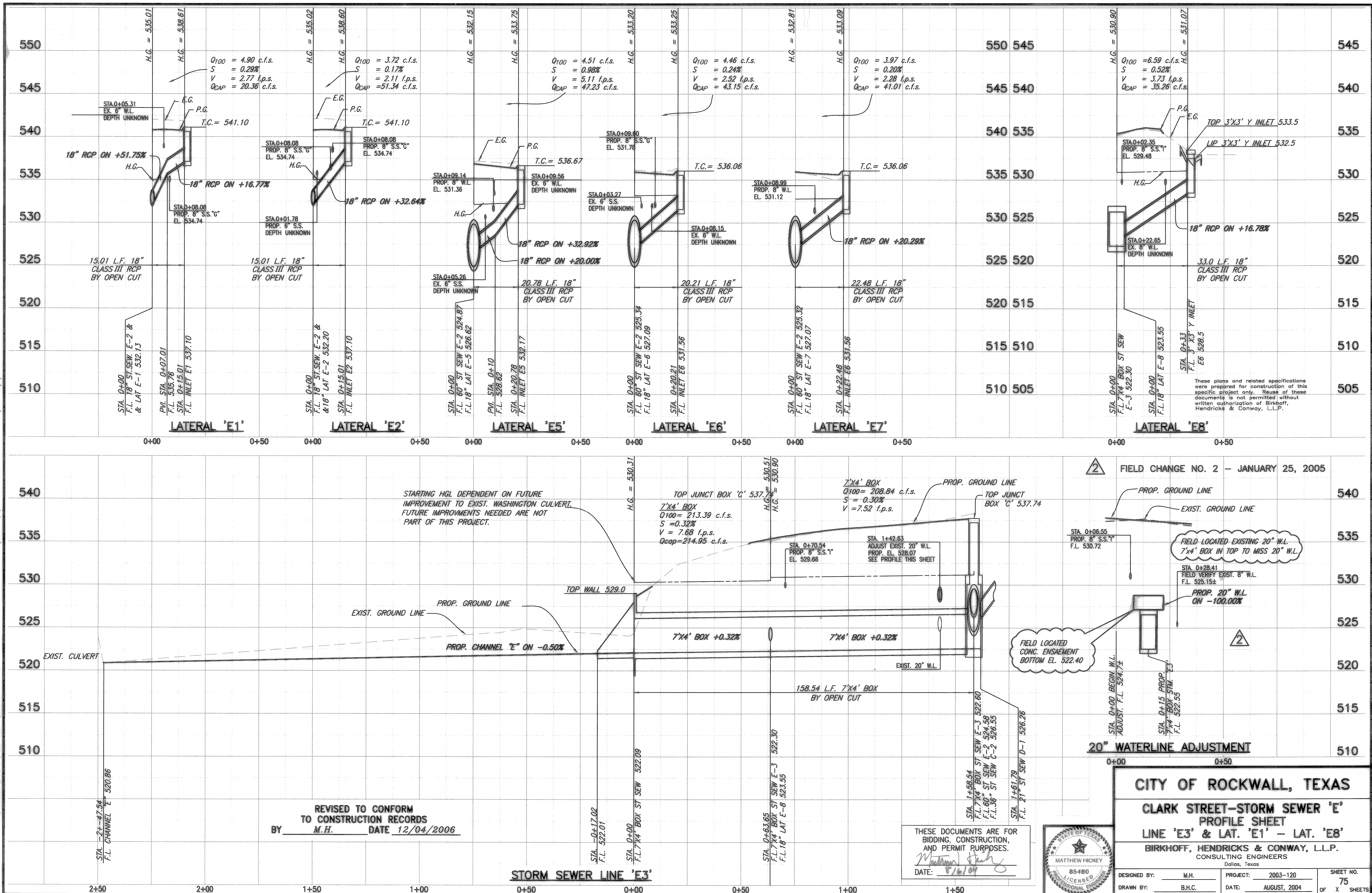


DESIGNED BY: <u>M.H.</u>	PROJECT: <u>2003-120</u>	SHEET NO. <u>71</u>
DRAWN BY: <u>G.C.</u>	DATE: <u>AUGUST 2004</u>	OF <u>8</u> SHEETS

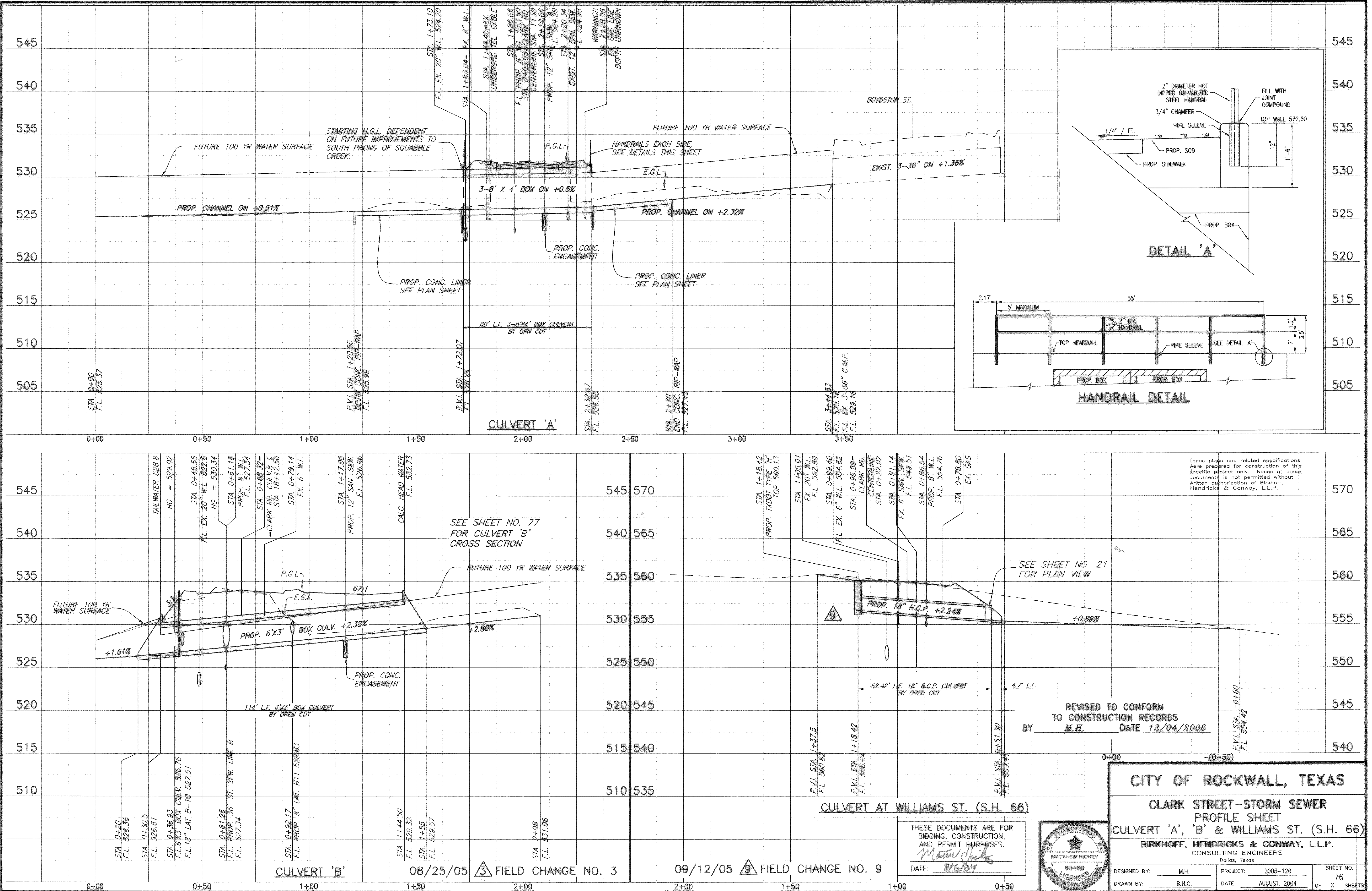




08/06/04 RJL



08/21/04 RUL H:\ROCKWALL\2003120\PLAN-SHEETS\2003120-STM9.DWG SCALE: 1"=20' BLOCKS: ROCKWALL\2003120\X\X REF: ROCKWALL\2003120\X\X



CITY OF ROCKWALL, TEXAS
CLARK STREET-STORM SEWER
PROFILE SHEET
CULVERT 'A', 'B' & WILLIAMS ST. (S.H. 66)
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: M.H. PROJECT: 2003-120 SHEET NO. 76
DRAWN BY: B.H.C. DATE: AUGUST, 2004 OF X SHEETS

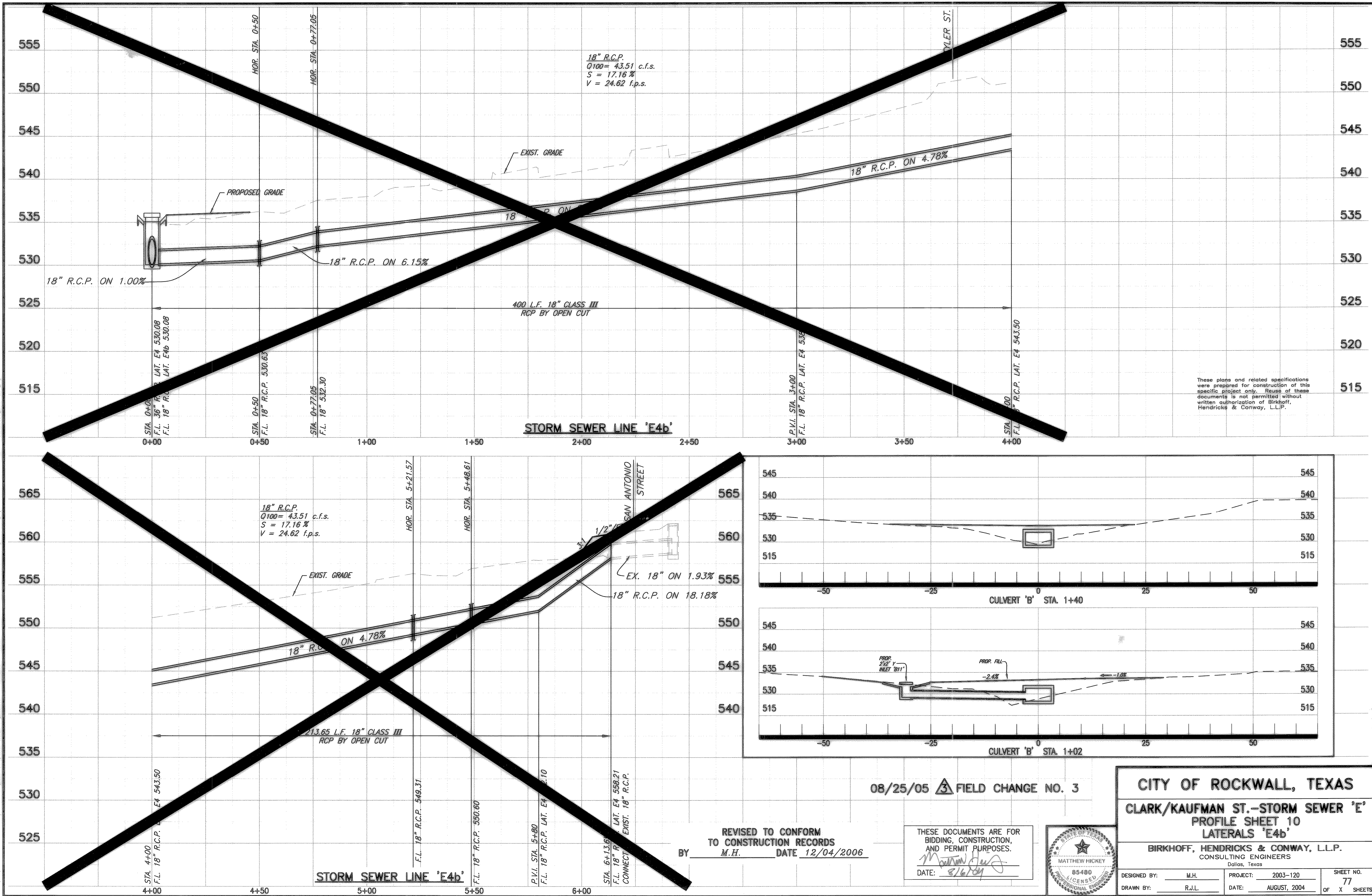
XREF: ROCKWALL 2003120 V.V.

BLOCKS: ROCKWALL 2003120 V.V

SCALE: 1"=20'

H:\ROCKWALL\2003120\PLAN-SHEETS\2003120-STW10.DWG

08/25/04 R.L.



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.

