PLOTTED BY: GDAVIS ON 4/30/2009
PLOT STYLE: 22X34.ctb
PLOT SCALE: 1:20
C:\Acad_Jobs\Rockwall\2005111\Sheets\2005111-050_STMSEW-PPA2.dwg
REVISED: 4/29/09 - GDAVIS

BOYDSTUN ST.

N. 7025335.7154 (4)
E. 2594875.1333
FANNIN ℄ STA. 0+25.96, 38.08' LT.
STA. −5+30.68 LINE A−2
END STORM SEWER LINE A−2
CONNECT TO EXISTING 27" R.C.P.

N. 7025365.2760 (4)
E. 2594914.5695
P.I. STA. −5+20.07 LINE A−2
Δ = 45°00'00" RT.

N. 7025345.3470
E. 2594895.0179
FANNIN ℄ STA. 0+32.96 18' LT.
STA. −5+06.82 LINE A−2
CONSTRUCT
TYPE B STORM SEWER M.H.
TOP ELEVATION 571.40

LEGEND
PROPOSED SANITARY SEWER
PROPOSED WATER LINE
REMOVE & DISPOSE EXIST. STORM SEWER

POST OFFICE

℄ STA. 1+97.28 34.55' LT.
CONST. 10' INLET A−3
T.C. 570.91, F.L. 566.91
CONNECT TO EXIST. 6"
P.V.C. DRAIN (WEST)

ST. MARY'S PLACE
℄ STA. 0+41 14.41' LT.
CONST. 15' INLET A−6
T.C. 569.58
F.L. 565.58

ST. MARY'S PLACE
℄ STA. 0+43.48 14.24' LT.
CONST. 10' INLET A−7
T.C. 569.69
F.L. 565.69

ST MARY PLACE
℄ STA. 0+45 6' LT.
CONST. 10' INLET A−10
T.C. 571.41
F.L. 567.41

ST. MARY ℄
STA. 4+95 22' LT.
CONST. 6' GRATE INLET A−9B
TOP 570.20
F.L. 566.20

CENTRAL FIRE STATION 3257

EXIST. 6" P.V.C. DRAIN LINE

222 ST. MARY'S PLACE

223 ST. MARY'S PLACE

WARNING
ATMOS GAS LINE
NOTIFY ATMOS ENERGY
72 HOURS PRIOR TO
EXCAVATION IN VICINITY
OF STA. 7+42 AND
STA. 8+00

℄ STA. 2+80 13' LT.
CONST. 20' INLET A−4
T.C. 567.86
F.L. 563.86

℄ STA. 1+75 13' LT.
CONST. 5' INLET A−2
T.C. 568.81
F.L. 564.81

℄ STA. 0+65 13' LT.
CONST. 20' INLET A−1
T.C. 570.79
F.L. 566.79

℄ STA. 4+20 13' LT.
CONST. 5' INLET A−8
T.C. 568.88
F.L. 564.88

℄ STA. 4+95 13' LT.
CONST. 10' INLET A−9
T.C. 569.54
F.L. 565.54

N 7025308.0041 (1)
E 2594910.0353
Δ = 15° RT.

STA. −4+90.90 LINE A−2

℄ FANNIN ST.

N 7025353.7124
E 2594909.2211
Δ = 45° RT.

CONSTRUCT. 6' GRATE
INLET A−1A
TOP. EL. 570.85
F.L. 566.85

N. 7025365.2760
E. 2594914.5695
P.I. STA. −4+78.90 LINE A−2
Δ = 45°00'00" RT.

CONSTRUCT
STORM SEW. A−1

401 BOYDSTUN

613 S FANNIN

609 S FANNIN

607 S FANNIN

611 S FANNIN

605 S FANNIN

603 S FANNIN

601 S FANNIN

517 S FANNIN

LAT. A−1A
LAT. A−1
LAT. A−2
LAT. A−3
LAT. A−4
LAT. A−5
LAT. A−5B
LAT. A−6
LAT. A−7
LAT. A−8
LAT. A−9

STA. −4+57.71 LINE A−2
STA. −4+90.90 LINE A−2
STA. −4+47.54 LINE A−2
STA. −3+13.27 LINE A−2
STA. −2+85.38 LINE A−2
STA. −2+45.98 LINE A−2
STA. −2+41.29 LINE A−2
STA. −1+56.95 LINE A−2
STA. −1+02.52 LINE A−2
STA. −0+27.67 LINE A−2
STA. 0+22.93 LAT. A−6

−4(A2)
−3(A2)
−2(A2)
1(A2)

EXIST. INLET
EXIST. INLET
EXIST. 15" CULVERT
EXIST. 15" CULVERT
EXIST. 15" CULVERT
EXIST. 12" CULVERT
EXIST. 15" CULVERT
EXIST. 12" CULVERT

PROP. 42" R.C.P.
PROP. 48" R.C.P.

STORM SEWER LINE A−3
STORM SEWER LINE B−1
STORM SEWER LINE A−1

ST. MARY'S PL.
ST. MARY STREET

N. 7025844.0987
E. 2594906.0403
STA. 0+00 BEGIN STM. SEW. LINE A−2=
STA. 7+70.83 STM. SEW. LINE A−1=
STA. 0+00 STM. SEW. LINE A−3=
STA. 0+00 STM. SEW. LINE B−1=
FANNIN ℄ STA. 5+31.39
FURNISH & INSTALL:
PRECAST JUNCTION BOX 'A'

INLET REFERENCE POINT

This record drawing is a compilation of the sealed engineering drawing for this project; modified by addenda, change orders and information furnished by the contractor. The information shown on the record drawings that was provided by the contractor or others not associated with the design engineer cannot be verified for accuracy or completeness. This original sealed drawings are on file at the offices of Birkhoff, Hendricks & Conway, L.L.P.

BY MH DATE 4/25/09

0 20 40 60
HORIZONTAL SCALE IN FEET

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.

27" R.C.P.
Q_{100} = 48.28
V = 12.14fps
S = 24.3%

WARNING!!!
STA. −5+01.47
EXIST. GAS LINE
DEPTH UNKNOWN

H.G. (IN) 567.02
H.G. (OUT) 566.79

EXIST. 27"

27" R.C.P.
ON −546% (4)

27" R.C.P.
ON −89.05% (4)

33.88 L.F. 27" CLASS III R.C.P.
W/ NCTCOG CLASS B EMBEDMENT
BY OPEN CUT

42" R.C.P.
Q_{100} = 48.01cfs
V = 4.99fps
S = 0.23%
Q_{cap} = cfs

42" R.C.P. ON −0.66%

256.84 L.F. 42" CLASS III R.C.P.
W/ NCTCOG CLASS B EMBEDMENT
BY OPEN CUT

42" R.C.P.
Q_{100} = 60.25cfs
V = 6.26fps
S = 0.36%
Q_{cap} = 81.74cfs

42" R.C.P.
Q_{100} = 61.93cfs
V = 6.44fps
S = 0.38%
Q_{cap} = 81.74cfs

42" R.C.P.
Q_{100} = 66.24cfs
V = 6.89fps
S = 0.43%
Q_{cap} = 81.74cfs

48" R.C.P.
Q_{100} = 66.24cfs
V = 5.27fps
S = 0.21%
Q_{cap} = 116.70cfs

42" R.C.P.
Q_{100} = 66.24cfs
V = 6.89fps
S = 0.43%
Q_{cap} = 81.74cfs

250.00 L.F. 48" CLASS III R.C.P.
W/ NCTCOG CLASS B EMBEDMENT
BY OPEN CUT

48" R.C.P.
Q_{100} = 68.81cfs
V = 5.48fps
S = 0.23%
Q_{cap} = 116.70cfs

48" R.C.P.
Q_{100} = 77.13cfs
V = 6.14fps
S = 0.29%
Q_{cap} = 116.70cfs

48" R.C.P.
Q_{100} = 83.24cfs
V = 6.62fps
S = 0.34%
Q_{cap} = 116.70cfs

48" R.C.P.
Q_{100} = 84.40cfs
V = 6.72fps
S = 0.35%
Q_{cap} = 116.70cfs

48" R.C.P.
Q_{100} = 87.96cfs
V = 7.00fps
S = 0.37%
Q_{cap} = 116.70cfs

NOTE:
1. UNLESS SHOWN TO REMAIN. THE CONTRACTOR SHALL REMOVE & DISPOSE OF ALL EXIST. STORM SEWER PIPE, HEADWALLS, DRIVEWAY CULVERTS, & CULVERTS. REMOVAL & DISPOSAL OF THESE ITEMS SHALL BE PAID UNDER R.O.W. PREPARATION. NO ADDITIONAL PAYMENT WILL BE PROVIDED UNDER R.O.W. PREPARATION FOR REMOVAL AND DISPOSAL OF THESE ITEMS.

EXISTING GROUND LINE
PROPOSED GRADE
HG

P.V.I. STA. −5+30.68 | F.L. 27" LINE A−2 568.05 | CONNECT TO EXIST. 21" STORM SEWER
P.V.I. STA. −5+20.07 | F.L. 27" LINE A−2 566.25
P.V.I. STA. −5+06.82 | F.L. 27" LINE A−2 564.53 | F.L. 42" LINE A−2 559.88 | CONSTRUCT TYPE 'B' STORM SEWER MANHOLE
STA. −4+90.90 | F.L. 42" LINE A−2 559.77 | F.L. 18" LAT. A−1A 560.77
STA. −4+57.71 | F.L. 42" LINE A−2 559.55 | F.L. 18" LAT. A−1 560.55
STA. −3+47.54 | F.L. 42" LINE A−2 558.83 | F.L. 18" LAT. A−2 559.83
STA. −3+13.27 | F.L. 42" LINE A−2 558.60 | F.L. 18" LAT. A−3 559.60
STA. −2+85.38 | F.L. 42" LINE A−2 558.42 | F.L. 18" LAT. A−5B 559.42
STA. −2+49.98 | F.L. 42" LINE A−2 558.19 | F.L. 48" LINE A−2 557.69
STA. −2+45.98 | F.L. 48" LINE A−2 557.66 | F.L. 18" LAT. A−5 558.91
STA. −2+41.29 | F.L. 48" LINE A−2 557.63 | F.L. 18" LAT. A−4 558.88
STA. −1+56.95 | F.L. 48" LINE A−2 557.07 | F.L. 18" LAT. A−6 558.32
STA. −1+02.52 | F.L. 48" LINE A−2 556.71 | F.L. 18" LAT. A−8 557.96
STA. −0+27.67 | F.L. 48" LINE A−2 556.22 | F.L. 18" LAT. A−9 557.47
STA. 0+00 | F.L. 48" LINE A−2 556.04 | F.L. 54" LINE A−1 553.66 | F.L. 18" LINE A−3 557.29 | F.L. 36" LINE B−1 556.04

−5+00 −4+00 −3+00 −2+00 −1+00

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.
Matthew Hickey
DATE: 9/19/24

STATE OF TEXAS
MATTHEW HICKEY
85480
LICENSED
PROFESSIONAL ENGINEER

(1) CHANGE ORDER NO. 1 – MAY 9, 2007

CITY OF ROCKWALL, TEXAS

FANNIN STREET IMPROVEMENTS
STM. SEW. "LINE A−2" – PLAN & PROFILE
STA. 0+00 TO STA. −5+16.82

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

PROJECT ENGINEER:	M.H.	PROJECT:	2005111	SHEET NO.
PROJECT TECHNICIAN:	M.V.O.	DATE:	June, 2008	50

(4) CHANGE ORDER NO. 4 – JUNE 13, 2008