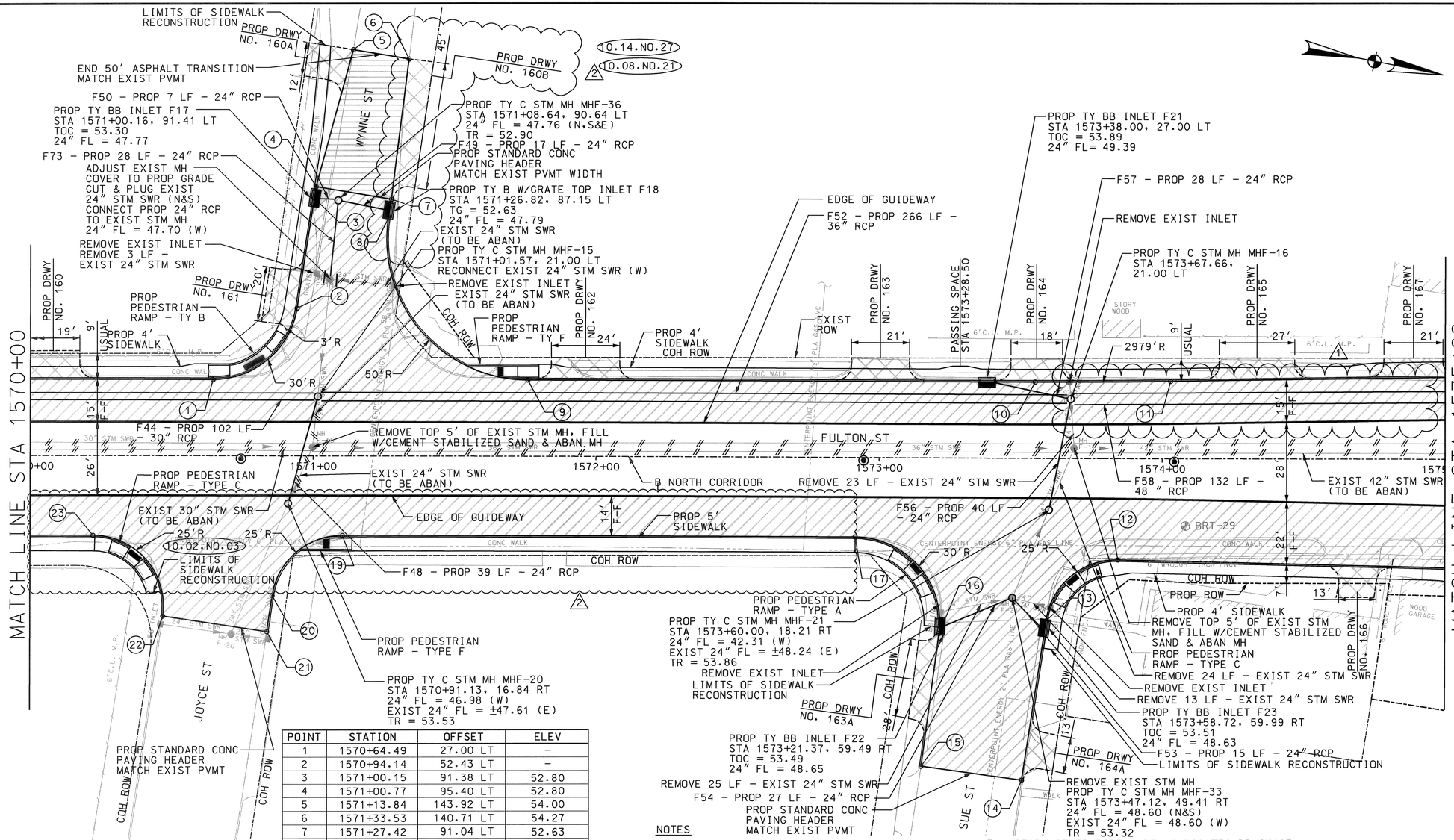

HORIZ. SCALE (IN FEET) 0 10 20 40

LEGEND

- EXIST PROPERTY LINE
- PROP ROW
- PROP GUIDEWAY
- PROP CURB
- PROP DRIVEWAY
- EXIST STORM SEWER
- EXIST UTILITY TO BE ABAN
- PROP STORM SEWER
- PROP OCS POLE
- PROP STREET CONST. 9" CONCRETE PVMT
- PROP DRIVEWAY (SEE CD9-0013)
- PROP ASPHALT TRANS. 1½" HMAC SURFACE & 6" HMAC BASE COURSE
- CUT & RESTORE PVMT
- PROP PLATFORM
- COH DESIGN VARIANCE

ROADWAY DESIGN

11/09/10

STATE OF TEXAS MICHAEL J. KASPAR 103600 LICENSED PROFESSIONAL ENGINEER

POINT	STATION	OFFSET	ELEV
1	1570+64.49	27.00 LT	–
2	1570+94.14	52.43 LT	–
3	1571+00.15	91.38 LT	52.80
4	1571+00.77	95.40 LT	52.80
5	1571+13.84	143.92 LT	54.00
6	1571+33.53	140.71 LT	54.27
7	1571+27.42	91.04 LT	52.63
8	1571+26.43	84.62 LT	–
9	1571+75.84	27.00 LT	–
10	1573+55.05	27.00 LT	–
11	1574+02.95	27.39 LT	–
12	1573+84.43	35.83 RT	–
13	1573+59.11	57.46 RT	–
14	1573+50.56	113.64 RT	53.19
15	1573+15.01	108.86 RT	53.20
16	1573+21.25	62.06 RT	–
17	1572+91.57	28.06 RT	53.51
19	1571+10.34	28.05 RT	52.96
20	1570+85.60	49.41 RT	52.51
21	1570+83.73	62.14 RT	52.43
22	1570+46.93	56.73 RT	52.40
23	1570+22.19	28.14 RT	52.94

NOTES

1. FOR GENERAL NOTES SEE SHEET GK5-0001.
2. STORM SEWER INLETS TO BE REMOVED AND REPLACED SHALL BE REPLACED WITH TY B-B INLETS UNLESS OTHERWISE NOTED. ALL STORM SEWER LEADS SHALL BE PLACED WITH 0.20% SLOPE.
3. SEE EXISTING UTILITY PLAN & PROFILE SHEETS FOR EXISTING UTILITIES AND PUBLIC UTILITY RELOCATION PLAN & PROFILE SHEETS FOR WATER & SANITARY SEWER RELOCATIONS.
4. LOCATION OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION.
5. SEE SHEETS CD9-0001 THROUGH CD9-0024 FOR ROADWAY DETAILS.
6. SEE SHEETS CD9-0009 AND CD9-0013 FOR DRIVEWAY DETAILS.
7. STORM SEWER PIPE LABEL INDICATES DRAINAGE SYSTEM AND RUN NUMBER. SEE HYDRAULIC COMPUTATIONS FOR MORE INFORMATION.
8. SEE SHEET CD9-0003 FOR CURB AND ASPHALT TRANSITION DETAILS.
9. STATIONS AND OFFSET VALUES ARE TAKEN AT FACE OF CURB. ELEVATIONS ARE TAKEN AT GUTTER OR PAVEMENT EDGE.
10. SEE SHEET CD9-0007 AND CD9-0008 FOR LIMITS OF CUT & RESTORE PAVEMENT.
11. FOR STREET LIGHTING AND UTILITY POLE SEE OVERHEAD UTILITY RELOCATION PLANS.
12. CONTRACTOR TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS OR SIDEWALKS IN PRIVATE PROPERTY.

PRIVATE UTILITY LINES SHOWN

12/1/10
CENTER POINT ENERGY – GAS DATE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

CITY OF HOUSTON DWG NO: 46339

CONTRACT SHEET No. 76 OF 420

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	11/20/09	STM SEWER DIFFERING FIELD CONDITION							
2	08/20/10	ROADWAY PLAN AND PROFILE REVISIONS							

Nathelyne A. Kennedy & Associates
Civil & Structural Consulting Engineers
REGISTRATION # F-357

DRAINAGE DESIGN

STATE OF TEXAS BRANDON NGUYEN 94972 LICENSED PROFESSIONAL ENGINEER
11/10/10

DANNENBAUM
ENGINEERING COMPANY - HOUSTON, LLC
T.B.P.E. FIRM REGISTRATION #8998
3100 WEST ALABAMA HOUSTON, TEXAS 77098 (713) 520-9570

HRT HOUSTON RAPID TRANSIT JV

METRO Solutions
Metropolitan Transit Authority of Harris County, Texas

E. CONLEY	1 JULY 2009
DRN BY	DATE
B. NGUYEN	1 JULY 2009
DRN CKD BY	DATE
M. MOSS	1 JULY 2009
DES BY	DATE
B. NGUYEN	1 JULY 2009
DES CKD BY	DATE
B. CONE	1 JULY 2009
APPROVED BY	DATE
SCALE: 1" = 20'	

METRO SOLUTIONS NORTH CORRIDOR – SEGMENT 2A

STREET MODIFICATION PLAN
FULTON STREET
STA 1570+00 TO STA 1575+00

CONTRACT NO. 0800120 DRAWING NO. CM6-0069 REV. 2

RELEASED FOR CONSTRUCTION 1/12/11

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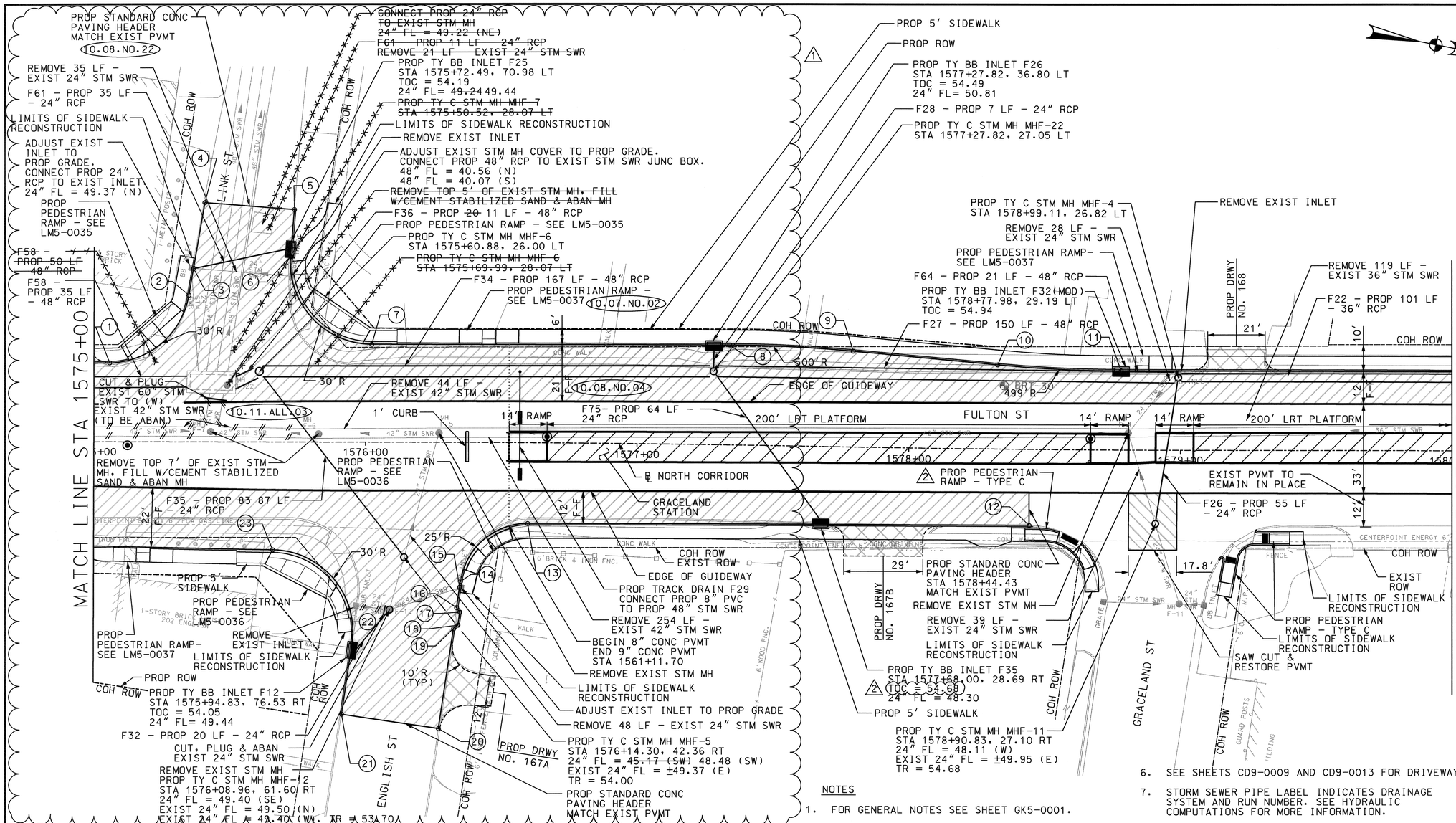
11/5/2010



HORIZ. SCALE (IN FEET) 0 10 20 40

LEGEND

- EXIST PROPERTY LINE
- PROP ROW
- PROP GUIDEWAY
- PROP CURB
- PROP DRIVEWAY
- EXIST STORM SEWER
- EXIST UTILITY TO BE ABAN
- PROP STORM SEWER
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- PROP STREET CONST. 9"/8" CONCRETE PVMT
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- CUT & RESTORE PVMT
- PROP PLATFORM
- COH DESIGN VARIANCE

ROADWAY DESIGN

11/09/10

STATE OF TEXAS — MICHAEL J. KASPAR — 103600 — LICENSED PROFESSIONAL ENGINEER

POINT	STATION	OFFSET	ELEV
1	1575+05.74	29.04 LT	–
2	1575+34.84	54.00 LT	–
3	1575+36.54	63.99 LT	53.76
4	1575+40.66	88.23 LT	53.93 △2
5	1575+73.63	85.69 LT	53.90
6	1575+72.29	68.43 LT	–
7	1576+02.21	36.12 LT	–
8	1577+33.54	36.87 LT	54.24
9	1577+79.04	35.39 LT	54.88
10	1578+32.44	31.05 LT	54.54
11	1578+77.98	29.19 LT	–
12	1578+44.47	27.95 RT	55.03
13	1576+59.94	29.76 RT	–
14	1576+35.18	51.19 RT	△2
15	1576+34.87	53.37 RT	53.51
16	1576+33.78	60.79 RT	53.53
17	1576+35.00	62.42 RT	53.54 △2
18	1576+34.30	67.20 RT	53.55
19	1576+32.66	68.42 RT	53.56
20	1576+27.22	105.33 RT	53.68
21	1575+91.39	100.15 RT	53.64
22	1575+95.20	74.00 RT	–
23	1575+65.86	39.67 RT	–

NOTES

1. FOR GENERAL NOTES SEE SHEET GK5-0001.
2. STORM SEWER INLETS TO BE REMOVED AND REPLACED SHALL BE REPLACED WITH TYPE B-B INLETS UNLESS OTHERWISE NOTED. ALL STORM SEWER LEADS SHALL BE PLACED WITH 0.20% SLOPE.
3. SEE EXISTING UTILITY PLAN & PROFILE SHEETS FOR EXISTING UTILITIES AND PUBLIC UTILITY RELOCATION PLAN & PROFILE SHEETS FOR WATER & SANITARY SEWER RELOCATIONS.
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11. STATION CANOPY ROOF DRAIN PENDING STATION DESIGN.
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13. CONTRACTOR TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS OR SIDEWALKS IN PRIVATE PROPERTY.

PRIVATE UTILITY LINES SHOWN

12/10/10
CENTER POINT ENERGY - GAS — DATE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

CITY OF HOUSTON DWG NO: 46339

CONTRACT SHEET No. 78 OF 420

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	11/20/09	STM SEWER DIFFERING FIELD CONDITION							
2	08/20/10	ROADWAY PLAN AND PROFILE REVISIONS							

Nathelyne A. Kennedy & Associates
Civil & Structural Consulting Engineers
REGISTRATION # F-357

DRAINAGE DESIGN

STATE OF TEXAS — BRANDON NGUYEN — 94972 — LICENSED PROFESSIONAL ENGINEER
11/10/10

DANNENBAUM
ENGINEERING COMPANY - HOUSTON, LLC
T.B.P.E. FIRM REGISTRATION #8998
3100 WEST ALABAMA HOUSTON, TEXAS 77098 (713) 520-9570

HRT HOUSTON RAPID TRANSIT JV

METRO Solutions — Metropolitan Transit Authority of Harris County, Texas

E. CONLEY		1 JULY 2009
DRN BY		DATE
B. NGUYEN		1 JULY 2009
DRN CKD BY		DATE
M. MOSS		1 JULY 2009
DES BY		DATE
B. NGUYEN		1 JULY 2009
DES CKD BY		DATE
B. CONE		1 JULY 2009
APPROVED BY		DATE
SCALE:	1" = 20'	

METRO SOLUTIONS NORTH CORRIDOR – SEGMENT 2A

STREET MODIFICATION PLAN
FULTON STREET
STA 1575+00 TO STA 1580+00

CONTRACT NO. 0800120 | DRAWING NO. CM6-0071 | REV. 2

RELEASED FOR CONSTRUCTION 1/12/11

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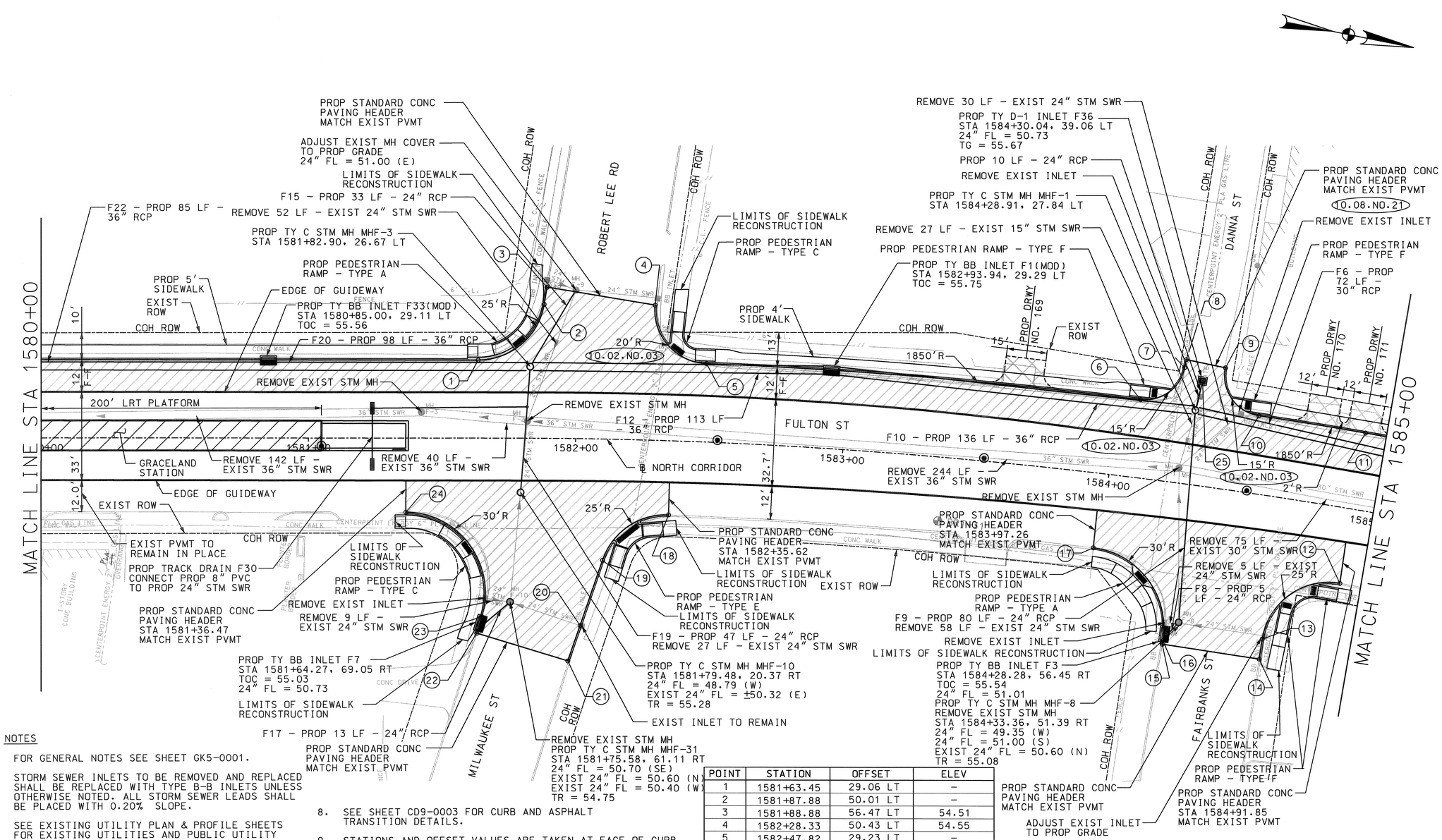
11/5/2010



SCALE (IN FEET)
HORIZ. 0 10 20 40

LEGEND

- EXIST PROPERTY LINE
- PROP ROW
- PROP GUIDEWAY
- PROP CURB
- PROP DRIVEWAY
- EXIST STORM SEWER
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- PROP STORM SEWER
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- PROP ASPHALT TRANS. 1½" HMAC SURFACE & 6" HMAC BASE COURSE
- CUT & RESTORE PVMT
- PROP PLATFORM
- COH DESIGN VARIANCE

ROADWAY DESIGN

STATE OF TEXAS MICHAEL J. KASPAR 103600 LICENSED PROFESSIONAL ENGINEER 11/09/10

NOTES

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POINT	STATION	OFFSET	ELEV
1	1581+63.45	29.06 LT	–
2	1581+87.88	50.01 LT	–
3	1581+88.88	56.47 LT	54.51
4	1582+28.33	50.43 LT	54.55
5	1582+47.82	29.23 LT	–
6	1584+08.29	29.24 LT	–
7	1584+22.93	43.08 LT	–
8	1584+23.15	46.12 LT	55.86
9	1584+37.77	45.07 LT	55.85
10	1584+52.35	29.14 LT	–
11	1584+92.19	29.01 LT	–
12	1584+92.00	27.95 RT	55.57
13	1584+66.13	53.06 RT	55.14
14	1584+66.12	60.81 RT	55.31
15	1584+28.24	60.35 RT	55.04
16	1584+28.28	59.01 RT	55.04

POINT	STATION	OFFSET	ELEV
17	1583+97.34	27.87 RT	55.62
18	1582+35.66	27.81 RT	–
19	1582+10.91	45.27 RT	–
20	1582+02.70	69.73 RT	54.53
21	1581+98.08	83.17 RT	54.58
22	1581+63.11	72.82 RT	54.53
23	1581+65.02	66.61 RT	–
24	1581+36.47	27.82 RT	–
25	1584+30.01	39.06 LT	55.67

PRIVATE UTILITY LINES SHOWN
CENTER POINT ENERGY – GAS — DATE 12/1/10

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO: 46339

CONTRACT SHEET No. 80 OF 420

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	08/20/10	ROADWAY PLAN AND PROFILE REVISIONS							

Nathelyne A. Kennedy & Associates
Civil & Structural Consulting Engineers
REGISTRATION # F-357

DRAINAGE DESIGN
STATE OF TEXAS BRANDON NGUYEN 94972 LICENSED PROFESSIONAL ENGINEER 11/10/10

DANNENBAUM
ENGINEERING COMPANY - HOUSTON, LLC
T.B.P.E. FIRM REGISTRATION #8998
3100 WEST ALABAMA HOUSTON, TEXAS 77098 (713) 520-9570

HRT HOUSTON RAPID TRANSIT JV
METRO Solutions Metropolitan Transit Authority of Harris County, Texas

E. CONLEY	1 JULY 2009	
DRN BY	DATE	
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DES BY	DATE	
B. NGUYEN	1 JULY 2009	
DES CKD BY	DATE	
B. CONE	1 JULY 2009	
APPROVED BY	DATE	

SCALE: 1" = 20'

METRO SOLUTIONS NORTH CORRIDOR – SEGMENT 2A

STREET MODIFICATION PLAN
FULTON STREET
STA 1580+00 TO STA 1585+00

CONTRACT NO. 0800120 | DRAWING NO. CM6-0073 | REV. 1

RELEASED FOR CONSTRUCTION 1/12/11

G:#1120#4269-03#NC#04 CADD Files#DGN#SEGMENT 2A#STREET MODIFICATIONS#mscs1073-REV1.dgn
11/5/2010