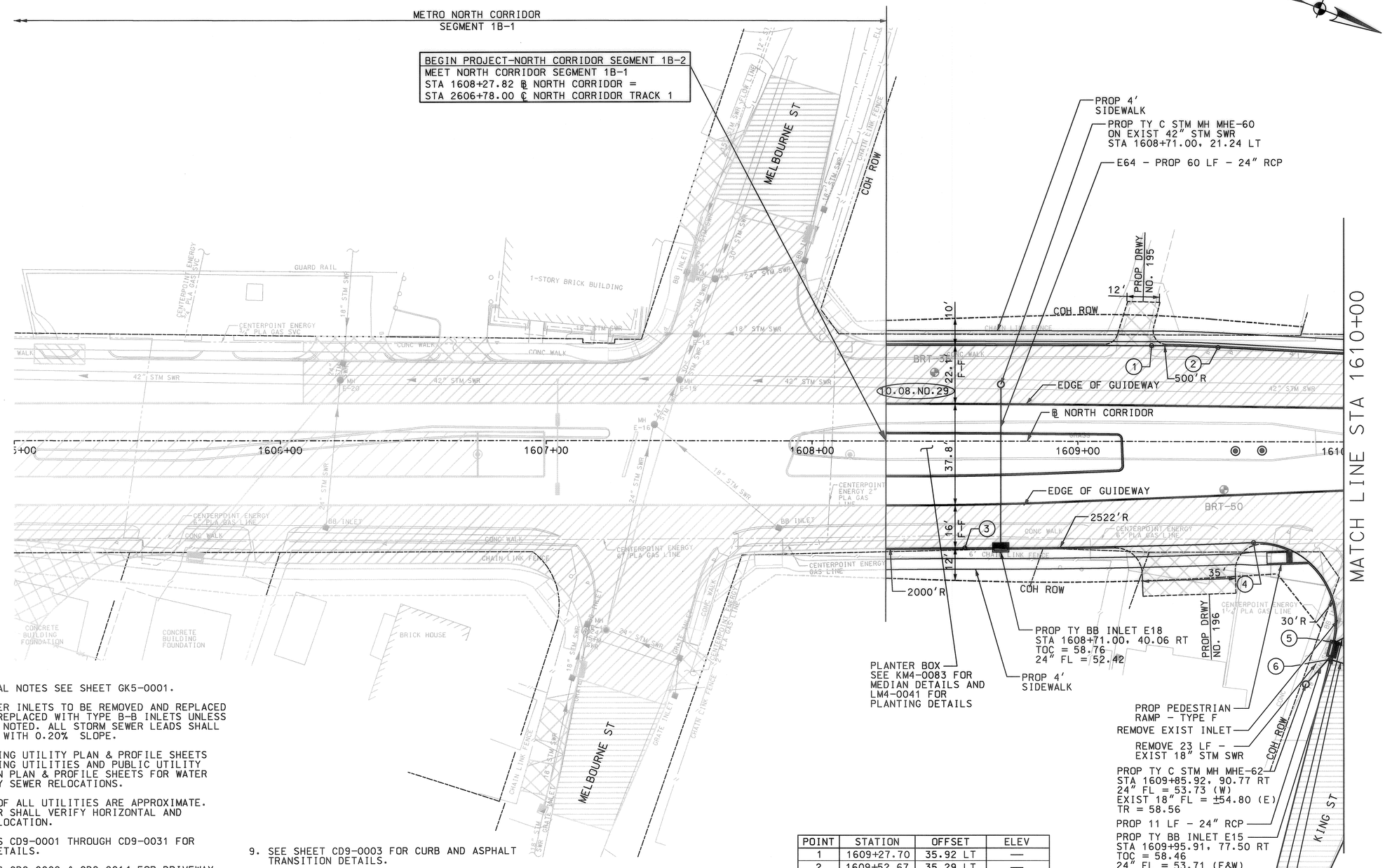

HORIZ. SCALE (IN FEET) 0 10 20 40

LEGEND

- EXIST COH ROW
- NEW COH ROW
- PROP GUIDEWAY
- PROP CURB
- PROP DRIVEWAY
- EXIST STORM SEWER
- EXIST UTILITY TO BE ABAN
- PROP STORM SEWER
- PROP OCS POLE
- PROP STREET CONST. 10" CONCRETE PVMT
- PROP DRIVEWAY (SEE CD9-0014)
- PROP ASPHALT TRANS. 1½" HMAC SURFACE & 6" HMAC BASE COURSE
- CUT & RESTORE PVMT W/ 10" CONCRETE PVMT
- PROP PLATFORM
- COH DESIGN VARIANCE

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.
4. LOCATION OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION.
5. SEE SHEETS CD9-0001 THROUGH CD9-0031 FOR ROADWAY DETAILS.
6. SEE SHEETS CD9-0009 & CD9-0014 FOR DRIVEWAY DETAILS.
7. STORM SEWER PIPE LABEL INDICATES DRAINAGE SYSTEM AND RUN NUMBER. SEE HYDRAULIC COMPUTATIONS FOR MORE INFORMATION.
8. SEE GUIDEWAY PLAN AND PROFILE, BRIDGE LAYOUT, & DETAILS FOR HORIZONTAL & VERTICAL CONTROL POINTS OF PROPOSED BRIDGE DRAINS AND TRACK DRAINS.
9. SEE SHEET CD9-0003 FOR CURB AND ASPHALT TRANSITION DETAILS.
10. STATION AND OFFSET VALUES ARE TAKEN AT FACE OF CURB OR ASPHALT PAVEMENT EDGE. ELEVATIONS ARE TAKEN AT GUTTER LINE OR ASPHALT PAVEMENT EDGE.
11. FOR STREET LIGHTING AND UTILITY POLE SEE OVERHEAD UTILITY RELOCATION PLANS.
12. METRO OR ITS AGENTS TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS OR SIDEWALKS IN PRIVATE PROPERTY.

POINT	STATION	OFFSET	ELEV
1	1609+27.70	35.92 LT	—
2	1609+52.67	35.29 LT	—
3	1608+57.54	40.08 RT	—
4	1609+66.14	37.81 RT	—
5	1609+96.52	75.02 RT	—
6	1609+94.94	81.40 RT	57.98
7	1609+73.29	166.88 RT	60.50
8	1609+89.62	172.44 RT	60.59

ROADWAY DESIGN

STATE OF TEXAS — MICHAEL C. MOSS — 91083 — LICENSED PROFESSIONAL ENGINEER
7/27/10

PRIVATE UTILITY LINES SHOWN

CENTER POINT ENERGY - GAS — DATE 7/29/10

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

47368

CONTRACT SHEET No. 102 OF 364

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP

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

STATE OF TEXAS — BRANDON NGUYEN — 94972 — LICENSED PROFESSIONAL ENGINEER
7/27/10

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	13 OCT 2009
DRN BY	DATE
B. NGUYEN	13 OCT 2009
DRN CKD BY	DATE
M. MOSS	13 OCT 2009
DES BY	DATE
B. NGUYEN	13 OCT 2009
DES CKD BY	DATE
B. CONE	13 OCT 2009
APPROVED BY	DATE

SCALE: 1" = 20'

METRO SOLUTIONS NORTH CORRIDOR - SEGMENT 1B

STREET MODIFICATION PLAN
FULTON STREET
BEGIN PROJECT TO STA 1610+00

CONTRACT NO. 0800120 | DRAWING NO. CM6-0083 | REV.

RELEASED FOR CONSTRUCTION SEP 10 2010

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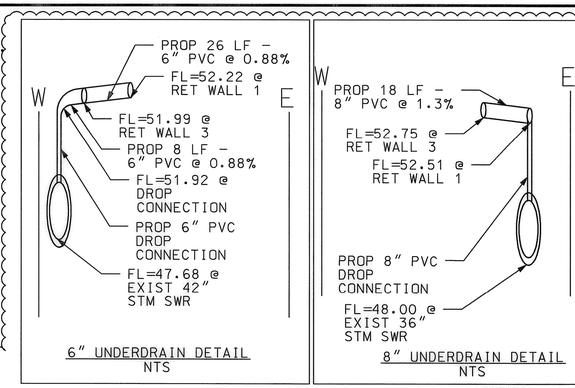
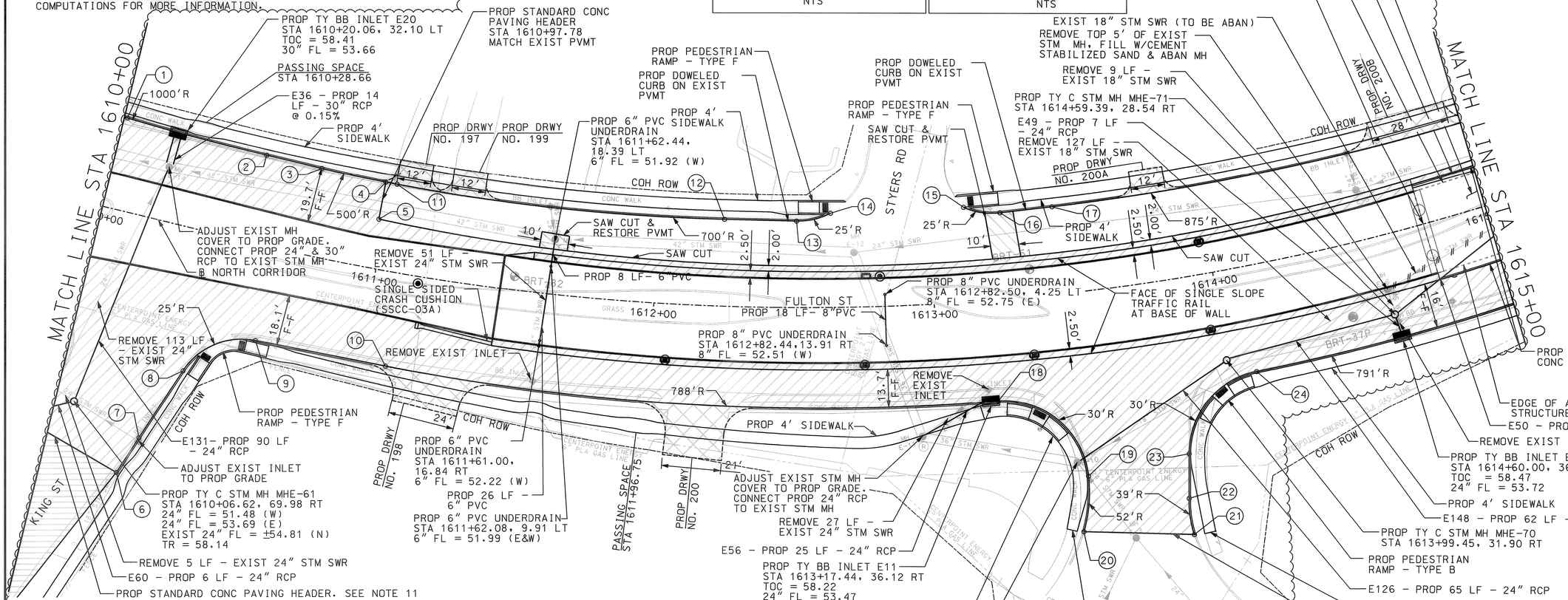
7/27/2010

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.
4. LOCATION OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION.
5. SEE SHEETS CD9-0001 THROUGH CD9-0031 FOR ROADWAY DETAILS.
6. SEE SHEETS CD9-0009 & CD9-0014 FOR DRIVEWAY DETAILS.
7. STORM SEWER PIPE LABEL INDICATES DRAINAGE SYSTEM AND RUN NUMBER. SEE HYDRAULIC COMPUTATIONS FOR MORE INFORMATION.
8. SEE GUIDEWAY PLAN AND PROFILE, BRIDGE LAYOUT, & DETAILS FOR HORIZONTAL & VERTICAL CONTROL POINTS OF PROPOSED BRIDGE DRAINS AND TRACK DRAINS.
9. STATION AND OFFSET VALUES ARE TAKEN AT FACE OF CURB OR ASPHALT PAVEMENT EDGE. ELEVATIONS ARE TAKEN AT GUTTER LINE OR ASPHALT PAVEMENT EDGE..
10. SEE SHEET CD9-0007 AND CD9-0008 FOR LIMITS OF CUT & RESTORE PAVEMENT.
11. SEE SHEET CD9-0003 FOR CURB AND ASPHALT TRANSITION DETAILS
12. FOR STREET LIGHTING AND UTILITY POLE SEE OVERHEAD UTILITY RELOCATION PLANS.
13. METRO OR ITS AGENTS TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS OR SIDEWALKS IN PRIVATE PROPERTY.





POINT	STATION	OFFSET	ELEV
1	1610+01.06	32.87 LT	—
2	1610+52.46	31.63 LT	—
3	1610+73.52	31.40 LT	—
4	1610+97.77	31.05 LT	—
5	1610+97.79	17.61 LT	—
6	1610+27.27	91.00 RT	57.98
7	1610+32.20	77.13 RT	57.93
8	1610+41.78	50.18 RT	—
9	1610+63.80	33.66 RT	—
10	1611+09.24	33.55 RT	—
11	1611+02.02	31.02 LT	—
12	1612+24.11	30.99 LT	—

POINT	STATION	OFFSET	ELEV
13	1612+50.78	30.85 LT	—
14	1612+63.39	33.59 LT	—
15	1613+12.83	33.80 LT	—
16	1613+26.16	30.83 LT	—
17	1613+45.51	31.19 LT	—
18	1613+19.89	36.12 RT	—
19	1613+47.74	65.69 RT	—
20	1613+44.19	85.26 RT	—
21	1613+79.40	91.38 RT	58.88
22	1613+79.51	78.31 RT	58.84
23	1613+81.75	62.65 RT	—
24	1614+08.82	37.79 RT	—

SCALE (IN FEET)
HORIZ. 0 10 20 40

LEGEND

- EXIST COH ROW
- NEW COH ROW
- PROP GUIDEWAY
- PROP CURB
- PROP DRIVEWAY
- EXIST STORM SEWER
- EXIST UTILITY TO BE ABAN
- PROP STORM SEWER
- PROP OCS POLE
- PROP STREET CONST. 10" CONCRETE PVMT
- PROP DRIVEWAY (SEE CD9-0014)
- PROP ASPHALT TRANS. 1½" HMAC SURFACE & 6" HMAC BASE COURSE
- CUT & RESTORE PVMT W/ 10" CONCRETE PVMT
- PROP PLATFORM
- COH DESIGN VARIANCE

ROADWAY DESIGN
04/01/11
STATE OF TEXAS
MICHAEL J. KASPAR
103600
LICENSED
PROFESSIONAL ENGINEER

PRIVATE UTILITY LINES SHOWN
CENTER POINT ENERGY - GAS — DATE 4/7/11

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO:
ACCEPTED AND FILED
473681
CITY DRAWING AS-BUILT
HOUSTON, TEXAS

CONTRACT SHEET No. 104 OF 364

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	11/01/10	ROADWAY PLAN REVISIONS		✓	✓		MJK		DW

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

STATE OF TEXAS
BRANDON NGUYEN
94972
LICENSED
PROFESSIONAL ENGINEER
4/8/11

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	13 OCT 2009
DRN BY	DATE
B. NGUYEN	13 OCT 2009
DRN CKD BY	DATE
M. MOSS	13 OCT 2009
DES BY	DATE
B. NGUYEN	13 OCT 2009
DES CKD BY	DATE
B. CONE	13 OCT 2009
APPROVED BY	DATE
SCALE: 1" = 20'	

METRO SOLUTIONS NORTH CORRIDOR - SEGMENT 1B

STREET MODIFICATION PLAN
FULTON STREET
STA 1610+00 TO STA 1615+00

CONTRACT NO. 0800120 | DRAWING NO. CM6-0085 | REV. 1

RELEASED FOR CONSTRUCTION 5/4/2011

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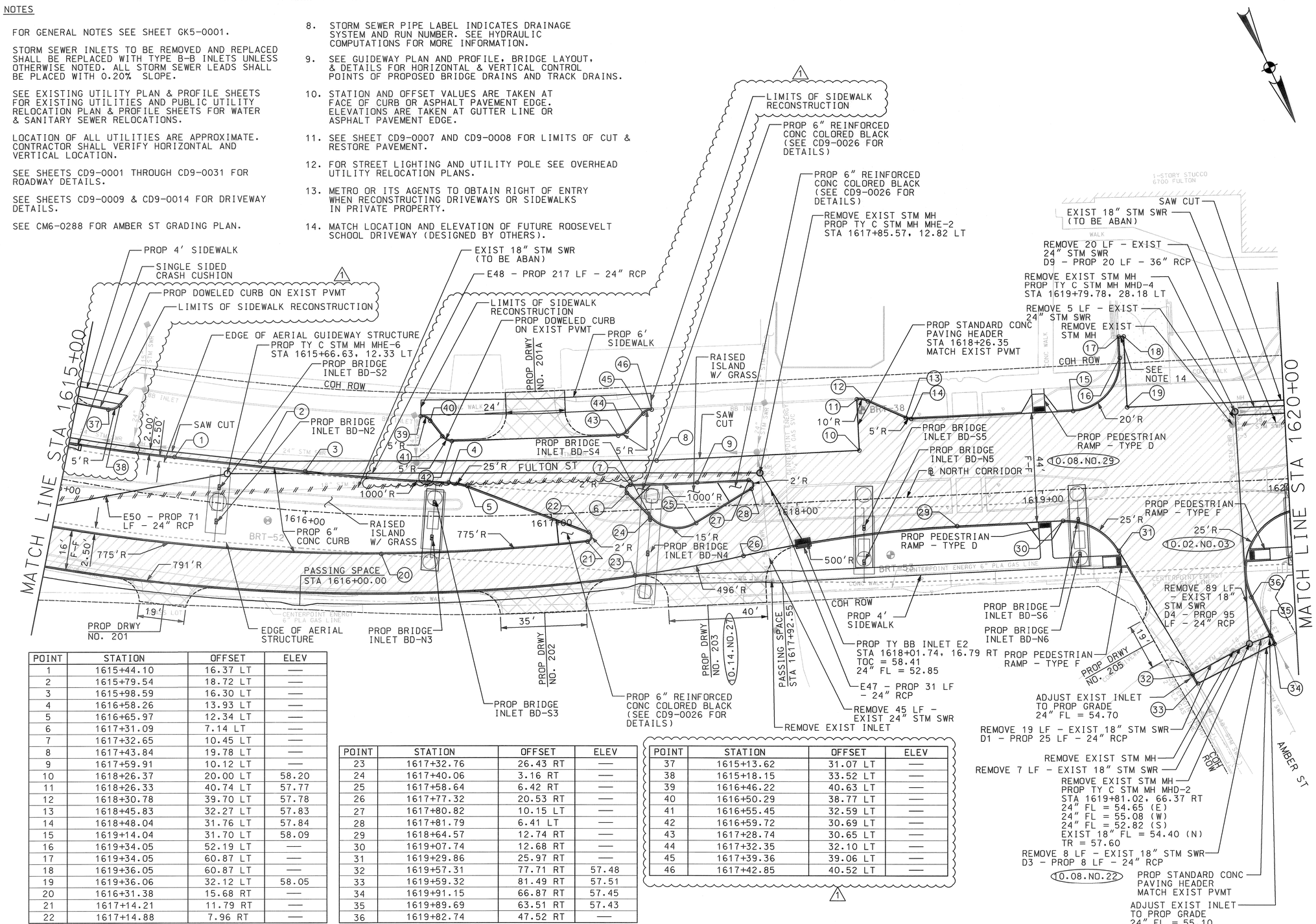
NOTES

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.
4. LOCATION OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION.
5. SEE SHEETS CD9-0001 THROUGH CD9-0031 FOR ROADWAY DETAILS.
6. SEE SHEETS CD9-0009 & CD9-0014 FOR DRIVEWAY DETAILS.
7. SEE CM6-0288 FOR AMBER ST GRADING PLAN.
8. STORM SEWER PIPE LABEL INDICATES DRAINAGE SYSTEM AND RUN NUMBER. SEE HYDRAULIC COMPUTATIONS FOR MORE INFORMATION.
9. SEE GUIDEWAY PLAN AND PROFILE, BRIDGE LAYOUT, & DETAILS FOR HORIZONTAL & VERTICAL CONTROL POINTS OF PROPOSED BRIDGE DRAINS AND TRACK DRAINS.
10. STATION AND OFFSET VALUES ARE TAKEN AT FACE OF CURB OR ASPHALT PAVEMENT EDGE. ELEVATIONS ARE TAKEN AT GUTTER LINE OR ASPHALT PAVEMENT EDGE.
11. SEE SHEET CD9-0007 AND CD9-0008 FOR LIMITS OF CUT & RESTORE PAVEMENT.
12. FOR STREET LIGHTING AND UTILITY POLE SEE OVERHEAD UTILITY RELOCATION PLANS.
13. METRO OR ITS AGENTS TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS OR SIDEWALKS IN PRIVATE PROPERTY.
14. MATCH LOCATION AND ELEVATION OF FUTURE ROOSEVELT SCHOOL DRIVEWAY (DESIGNED BY OTHERS).



SCALE (IN FEET)
HORIZ. 0 10 20 40

LEGEND

- EXIST COH ROW
- NEW COH ROW
- PROP GUIDEWAY
- PROP CURB
- PROP DRIVEWAY
- EXIST STORM SEWER
- EXIST UTILITY TO BE ABAN
- PROP STORM SEWER
- PROP OCS POLE
- PROP STREET CONST. 10" CONCRETE PVMT
- PROP DRIVEWAY (SEE CD9-0014)
- PROP ASPHALT TRANS. 1½" HMAC SURFACE & 6" HMAC BASE COURSE
- CUT & RESTORE PVMT W/ 10" CONCRETE PVMT
- PROP PLATFORM
- COH DESIGN VARIANCE

POINT	STATION	OFFSET	ELEV
1	1615+44.10	16.37 LT	—
2	1615+79.54	18.72 LT	—
3	1615+98.59	16.30 LT	—
4	1616+58.26	13.93 LT	—
5	1616+65.97	12.34 LT	—
6	1617+31.09	7.14 LT	—
7	1617+32.65	10.45 LT	—
8	1617+43.84	19.78 LT	—
9	1617+59.91	10.12 LT	—
10	1618+26.37	20.00 LT	58.20
11	1618+26.33	40.74 LT	57.77
12	1618+30.78	39.70 LT	57.78
13	1618+45.83	32.27 LT	57.83
14	1618+48.04	31.76 LT	57.84
15	1619+14.04	31.70 LT	58.09
16	1619+34.05	52.19 LT	—
17	1619+34.05	60.87 LT	—
18	1619+36.05	60.87 LT	—
19	1619+36.06	32.12 LT	58.05
20	1616+31.38	15.68 RT	—
21	1617+14.21	11.79 RT	—
22	1617+14.88	7.96 RT	—

POINT	STATION	OFFSET	ELEV
23	1617+32.76	26.43 RT	—
24	1617+40.06	3.16 RT	—
25	1617+58.64	6.42 RT	—
26	1617+77.32	20.53 RT	—
27	1617+80.82	10.15 LT	—
28	1617+81.79	6.41 LT	—
29	1618+64.57	12.74 RT	—
30	1619+07.74	12.68 RT	—
31	1619+29.86	25.97 RT	—
32	1619+57.31	77.71 RT	57.48
33	1619+59.32	81.49 RT	57.51
34	1619+91.15	66.87 RT	57.45
35	1619+89.69	63.51 RT	57.43
36	1619+82.74	47.52 RT	—

POINT	STATION	OFFSET	ELEV
37	1615+13.62	31.07 LT	—
38	1615+18.15	33.52 LT	—
39	1616+46.22	40.63 LT	—
40	1616+50.29	38.77 LT	—
41	1616+55.45	32.59 LT	—
42	1616+59.72	30.69 LT	—
43	1617+28.74	30.65 LT	—
44	1617+32.35	32.10 LT	—
45	1617+39.36	39.06 LT	—
46	1617+42.85	40.52 LT	—

ROADWAY DESIGN

STATE OF TEXAS — MICHAEL J. KASPAR — 103600 — LICENSED PROFESSIONAL ENGINEER — 04/07/11

PRIVATE UTILITY LINES SHOWN
CENTER POINT ENERGY - GAS — DATE 4/7/11

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO:
PUBLIC WORKS AND ENGINEERING — ADOPTED AND FILED — 473681 — CITY DRAWING NUMBER — HOUSTON, TEXAS

CONTRACT SHEET No. 106 OF 364

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	11/01/10	ROADWAY PLAN REVISIONS		✓	✓		MJK		DW

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

STATE OF TEXAS — BRANDON NGUYEN — 94972 — LICENSED PROFESSIONAL ENGINEER — 4/8/11

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	13 OCT 2009
DRN BY	DATE
B. NGUYEN	13 OCT 2009
DRN CKD BY	DATE
M. MOSS	13 OCT 2009
DES BY	DATE
B. NGUYEN	13 OCT 2009
DES CKD BY	DATE
B. CONE	13 OCT 2009
APPROVED BY	DATE
SCALE: 1" = 20'	

METRO SOLUTIONS NORTH CORRIDOR - SEGMENT 1B

STREET MODIFICATION PLAN
FULTON STREET
STA 1615+00 TO STA 1620+00

CONTRACT NO. 0800120 | DRAWING NO. CM6-0087 | REV. 1

RELEASED FOR CONSTRUCTION 5/4/2011

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