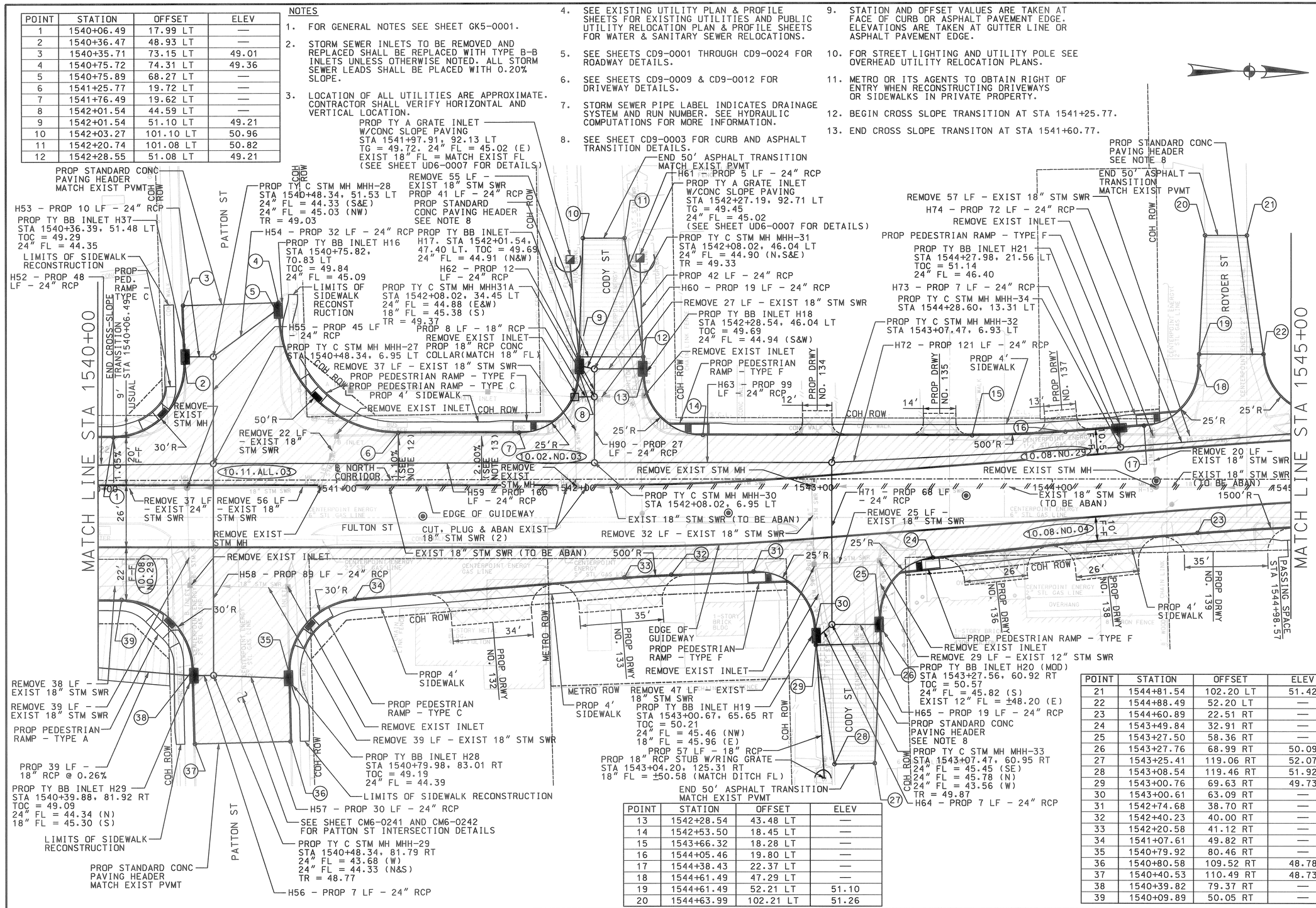
POINT	STATION	OFFSET	ELEV
1	1540+06.49	17.99 LT	—
2	1540+36.47	48.93 LT	—
3	1540+35.71	73.15 LT	49.01
4	1540+75.72	74.31 LT	49.36
5	1540+75.89	68.27 LT	—
6	1541+25.77	19.72 LT	—
7	1541+76.49	19.62 LT	—
8	1542+01.54	44.59 LT	—
9	1542+01.54	51.10 LT	49.21
10	1542+03.27	101.10 LT	50.96
11	1542+20.74	101.08 LT	50.82
12	1542+28.55	51.08 LT	49.21

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. LOCATION OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION.
4. SEE EXISTING UTILITY PLAN & PROFILE SHEETS FOR EXISTING UTILITIES AND PUBLIC UTILITY RELOCATION PLAN & PROFILE SHEETS FOR WATER & SANITARY SEWER RELOCATIONS.
5. SEE SHEETS CD9-0001 THROUGH CD9-0024 FOR ROADWAY DETAILS.
6. SEE SHEETS CD9-0009 & CD9-0012 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. 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. FOR STREET LIGHTING AND UTILITY POLE SEE OVERHEAD UTILITY RELOCATION PLANS.
11. METRO OR ITS AGENTS TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS OR SIDEWALKS IN PRIVATE PROPERTY.
12. BEGIN CROSS SLOPE TRANSITION AT STA 1541+25.77.
13. END CROSS SLOPE TRANSITON AT STA 1541+60.77.



POINT	STATION	OFFSET	ELEV
13	1542+28.54	43.48 LT	—
14	1542+53.50	18.45 LT	—
15	1543+66.32	18.28 LT	—
16	1544+05.46	19.80 LT	—
17	1544+38.43	22.37 LT	—
18	1544+61.49	47.29 LT	—
19	1544+61.49	52.21 LT	51.10
20	1544+63.99	102.21 LT	51.26

POINT	STATION	OFFSET	ELEV
21	1544+81.54	102.20 LT	51.42
22	1544+88.49	52.20 LT	—
23	1544+60.89	22.51 RT	—
24	1543+49.84	32.91 RT	—
25	1543+27.50	58.36 RT	—
26	1543+27.76	68.99 RT	50.09
27	1543+25.41	119.06 RT	52.07
28	1543+08.54	119.46 RT	51.92
29	1543+00.76	69.63 RT	49.73
30	1543+00.61	63.09 RT	—
31	1542+74.68	38.70 RT	—
32	1542+40.23	40.00 RT	—
33	1542+20.58	41.12 RT	—
34	1541+07.61	49.82 RT	—
35	1540+79.92	80.46 RT	—
36	1540+80.58	109.52 RT	48.78
37	1540+40.53	110.49 RT	48.73
38	1540+39.82	79.37 RT	—
39	1540+09.89	50.05 RT	—

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. 8" CONCRETE PVMT
- PROP DRIVEWAY (SEE CD9-0012)
- PROP ASPHALT TRANS. 1½" HMAC SURFACE & 6" HMAC BASE COURSE
- CUT & RESTORE PVMT W/ 8" CONCRETE PVMT
- PROP PARKING LOT
- PROP PLATFORM
- COH DESIGN VARIANCE

ROADWAY DESIGN

STATE OF TEXAS MICHAEL C. MOSS 91083 LICENSED PROFESSIONAL ENGINEER 2/24/10

PRIVATE UTILITY LINES SHOWN

CENTER POINT ENERGY - GAS 2/25/10 DATE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

CITY OF HOUSTON DWG NO:

PUBLIC WORKS AND ENGINEERING ACCEPTED AND FILED 46882 CITY DRAWING NUMBER HOUSTON, TEXAS

CONTRACT SHEET No. 89 OF 334

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 2/24/10

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 DRN BY	19 FEB 2010 DATE
B. NGUYEN DRN CKD BY	19 FEB 2010 DATE
M. MOSS DES BY	19 FEB 2010 DATE
B. NGUYEN DES CKD BY	19 FEB 2010 DATE
B. CONE APPROVED BY	19 FEB 2010 DATE
SCALE: 1" = 20'	

METRO SOLUTIONS NORTH CORRIDOR - SEGMENT 2B

STREET MODIFICATION PLAN
FULTON STREET
STA 1540+00 TO STA 1545+00

CONTRACT NO. 0800120 DRAWING NO. CM6-0057 REV.

RELEASED FOR CONSTRUCTION APR 07 2010

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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.
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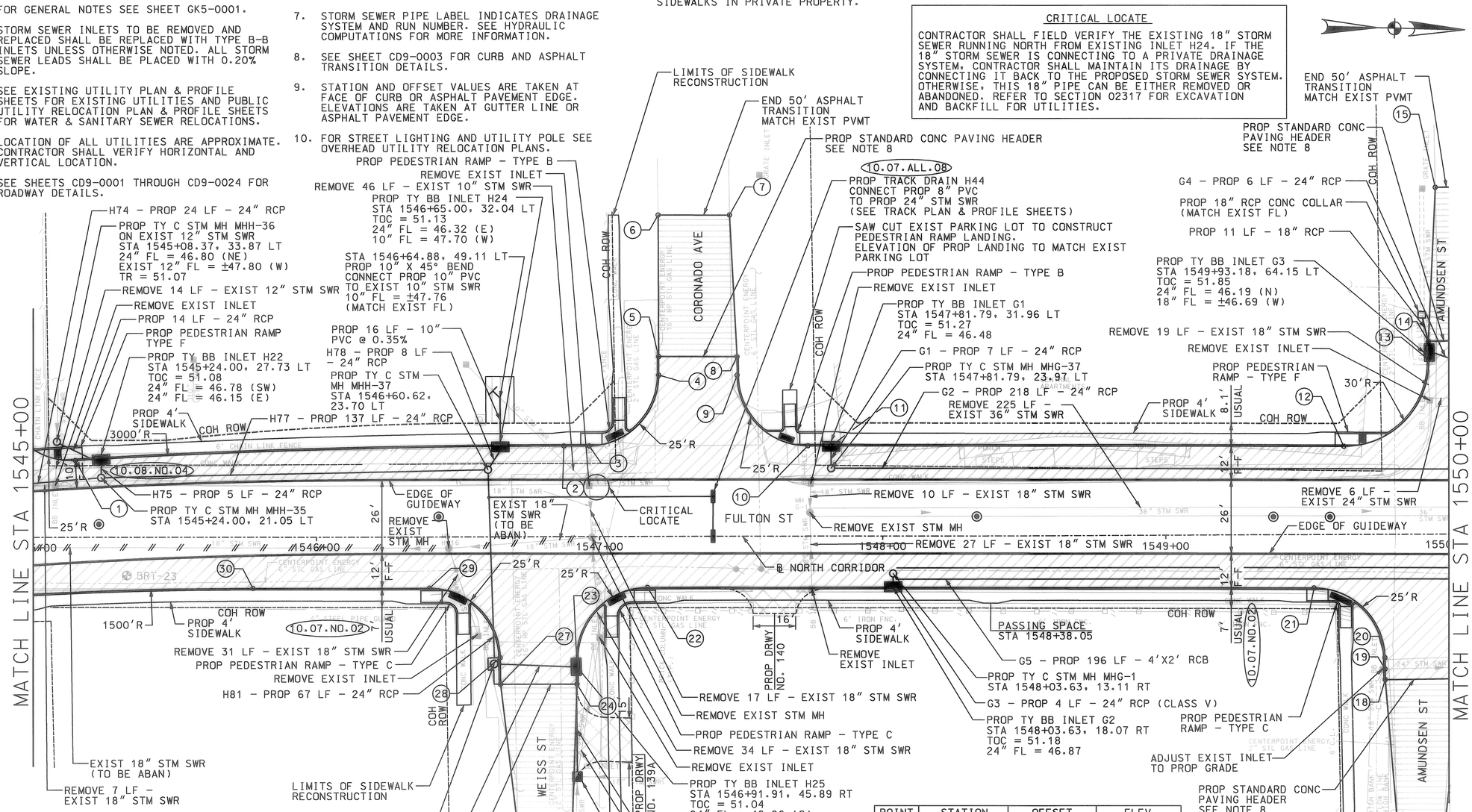
11. METRO OR ITS AGENTS TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS, PARKING LOT OR SIDEWALKS IN PRIVATE PROPERTY.

CRITICAL LOCATE

CONTRACTOR SHALL FIELD VERIFY THE EXISTING 18" STORM SEWER RUNNING NORTH FROM EXISTING INLET H24. IF THE 18" STORM SEWER IS CONNECTING TO A PRIVATE DRAINAGE SYSTEM, CONTRACTOR SHALL MAINTAIN ITS DRAINAGE BY CONNECTING IT BACK TO THE PROPOSED STORM SEWER SYSTEM. OTHERWISE, THIS 18" PIPE CAN BE EITHER REMOVED OR ABANDONED. REFER TO SECTION 02317 FOR EXCAVATION AND BACKFILL FOR UTILITIES.



POINT	STATION	OFFSET	ELEV
1	1545+14.93	27.22 LT	—
2	1546+87.44	32.09 LT	—
3	1546+96.40	32.08 LT	—
4	1547+20.92	57.02 LT	—
5	1547+20.93	63.52 LT	51.16
6	1547+20.77	113.52 LT	51.44
7	1547+45.99	113.46 LT	51.67
8	1547+48.60	63.45 LT	51.22
9	1547+48.64	56.95 LT	—
10	1547+73.61	31.97 LT	—
11	1547+81.79	31.96 LT	—
12	1549+63.05	31.19 LT	—
13	1549+93.21	61.59 LT	—
14	1549+93.13	68.09 LT	51.37

POINT	STATION	OFFSET	ELEV
15	1549+95.83	122.47 LT	52.30
16	1549+98.23	101.02 RT	53.16
17	1549+81.29	101.20 RT	53.08
18	1549+77.27	51.24 RT	51.32
19	1549+77.23	47.51 RT	51.30
20	1549+77.18	43.47 RT	—
21	1549+52.32	18.75 RT	—
22	1547+16.91	17.95 RT	—
23	1546+91.87	43.33 RT	—
24	1546+92.00	52.03 RT	50.57
25	1546+90.28	102.02 RT	52.11
26	1546+70.97	102.00 RT	52.28
27	1546+65.00	51.99 RT	50.58
28	1546+64.86	42.61 RT	—
29	1546+39.90	17.99 RT	—
30	1545+77.60	17.97 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. 8" CONCRETE PVMT
- PROP DRIVEWAY (SEE CD9-0012)
- PROP ASPHALT TRANS. 1½" HMAC SURFACE & 6" HMAC BASE COURSE
- CUT & RESTORE PVMT W/ 8" CONCRETE PVMT
- PROP PARKING LOT
- PROP PLATFORM
- COH DESIGN VARIANCE

ROADWAY DESIGN

STATE OF TEXAS — MICHAEL C. MOSS — 91083 — LICENSED PROFESSIONAL ENGINEER — 2/24/10

PRIVATE UTILITY LINES SHOWN

CENTER POINT ENERGY - GAS — 2/25/10 — DATE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO:
ACCEPTED ENG. FILE — 46882 — CITY DRAWING NUMBER — HOUSTON, TEXAS

CONTRACT SHEET No. 91 OF 334

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 — 2/24/10

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 DRN BY	19 FEB 2010 DATE
B. NGUYEN DRN CKD BY	19 FEB 2010 DATE
M. MOSS DES BY	19 FEB 2010 DATE
B. NGUYEN DES CKD BY	19 FEB 2010 DATE
B. CONE APPROVED BY	19 FEB 2010 DATE
SCALE: 1" = 20'	

METRO SOLUTIONS NORTH CORRIDOR - SEGMENT 2B

STREET MODIFICATION PLAN
FULTON STREET
STA 1545+00 TO STA 1550+00

CONTRACT NO. 0800120 | DRAWING NO. CM6-0059 | REV.

RELEASED FOR CONSTRUCTION

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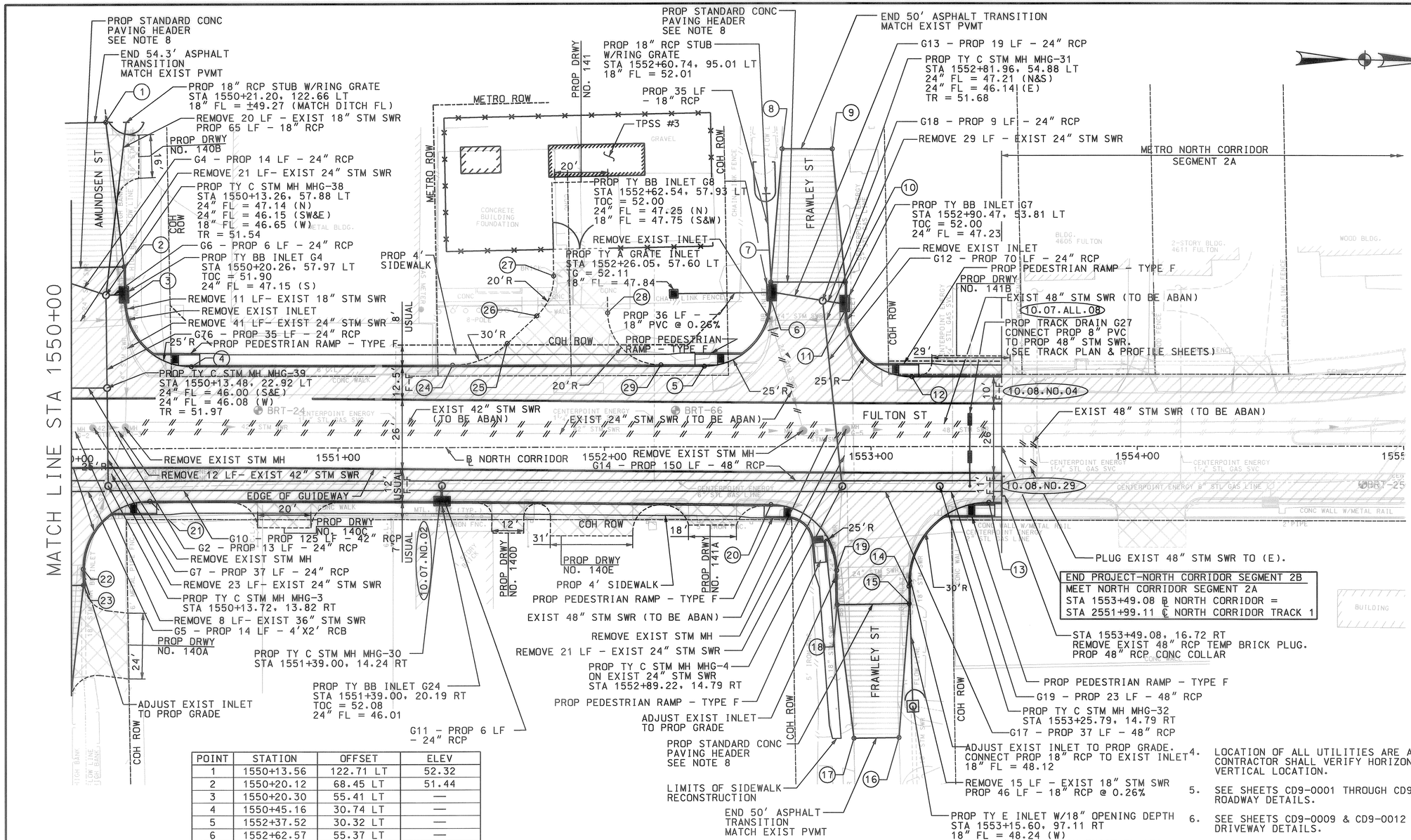
2/24/2010



HORIZ. SCALE (IN FEET) 0 10 20 40

LEGEND

- EXIST COH ROW
- NEW COH ROW
- PROP GUIDEWAY
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- CUT & RESTORE PVMT W/ 8" CONCRETE PVMT
- PROP PLATFORM
- COH DESIGN VARIANCE

POINT	STATION	OFFSET	ELEV
1	1550+13.56	122.71 LT	52.32
2	1550+20.12	68.45 LT	51.44
3	1550+20.30	55.41 LT	—
4	1550+45.16	30.74 LT	—
5	1552+37.52	30.32 LT	—
6	1552+62.57	55.37 LT	—
7	1552+62.51	61.87 LT	51.52
8	1552+66.81	111.86 LT	53.00
9	1552+85.65	111.81 LT	53.18
10	1552+90.50	61.79 LT	51.54
11	1552+90.47	51.25 LT	—
12	1553+15.42	26.19 LT	—
13	1553+44.24	20.87 RT	—
14	1553+14.22	52.30 RT	—
15	1553+14.32	58.81 RT	51.48
16	1553+10.41	108.87 RT	53.36
17	1552+93.50	109.12 RT	53.33
18	1552+87.32	59.20 RT	51.50

POINT	STATION	OFFSET	ELEV
19	1552+87.13	46.28 RT	—
20	1552+62.44	21.65 RT	—
21	1550+29.34	19.65 RT	—
22	1550+04.20	44.93 RT	—
23	1550+04.27	50.95 RT	51.54
24	1551+43.05	30.99 LT	—
25	1551+63.59	39.07 LT	—
26	1551+74.68	49.44 LT	—
27	1551+81.03	64.39 LT	—
28	1552+01.27	50.51 LT	—
29	1552+21.33	30.85 LT	—

NOTES

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ROADWAY DESIGN

STATE OF TEXAS — MICHAEL C. MOSS — 91083 — LICENSED — PROFESSIONAL ENGINEER — 2/24/10

PRIVATE UTILITY LINES SHOWN

CENTERPOINT ENERGY - GAS — DATE 2/25/10

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

CITY OF HOUSTON DWG NO:

PUBLIC WORKS AND ENGINEERING — RECORDED AND FILED — 46882 — CITY DRAWING NUMBER — HOUSTON, TEXAS

CONTRACT SHEET No. 33 OF 334

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 — 2/24/10

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3100 WEST ALABAMA HOUSTON, TEXAS 77098 (713) 520-9570

HRT HOUSTON RAPID TRANSIT JV

METRO Solutions — Metropolitan Transit Authority of Harris County, Texas

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B. NGUYEN	DRN CKD BY	19 FEB 2010 DATE
M. MOSS	DES BY	19 FEB 2010 DATE
B. NGUYEN	DES CKD BY	19 FEB 2010 DATE
B. CONE	APPROVED BY	19 FEB 2010 DATE

SCALE: 1" = 20'

METRO SOLUTIONS NORTH CORRIDOR - SEGMENT 2B

STREET MODIFICATION PLAN
FULTON STREET
STA 1550+00 TO END PROJECT

CONTRACT NO. 0800120 — DRAWING NO. CM6-0061 — REV.

RELEASED FOR CONSTRUCTION APR 07 2010

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