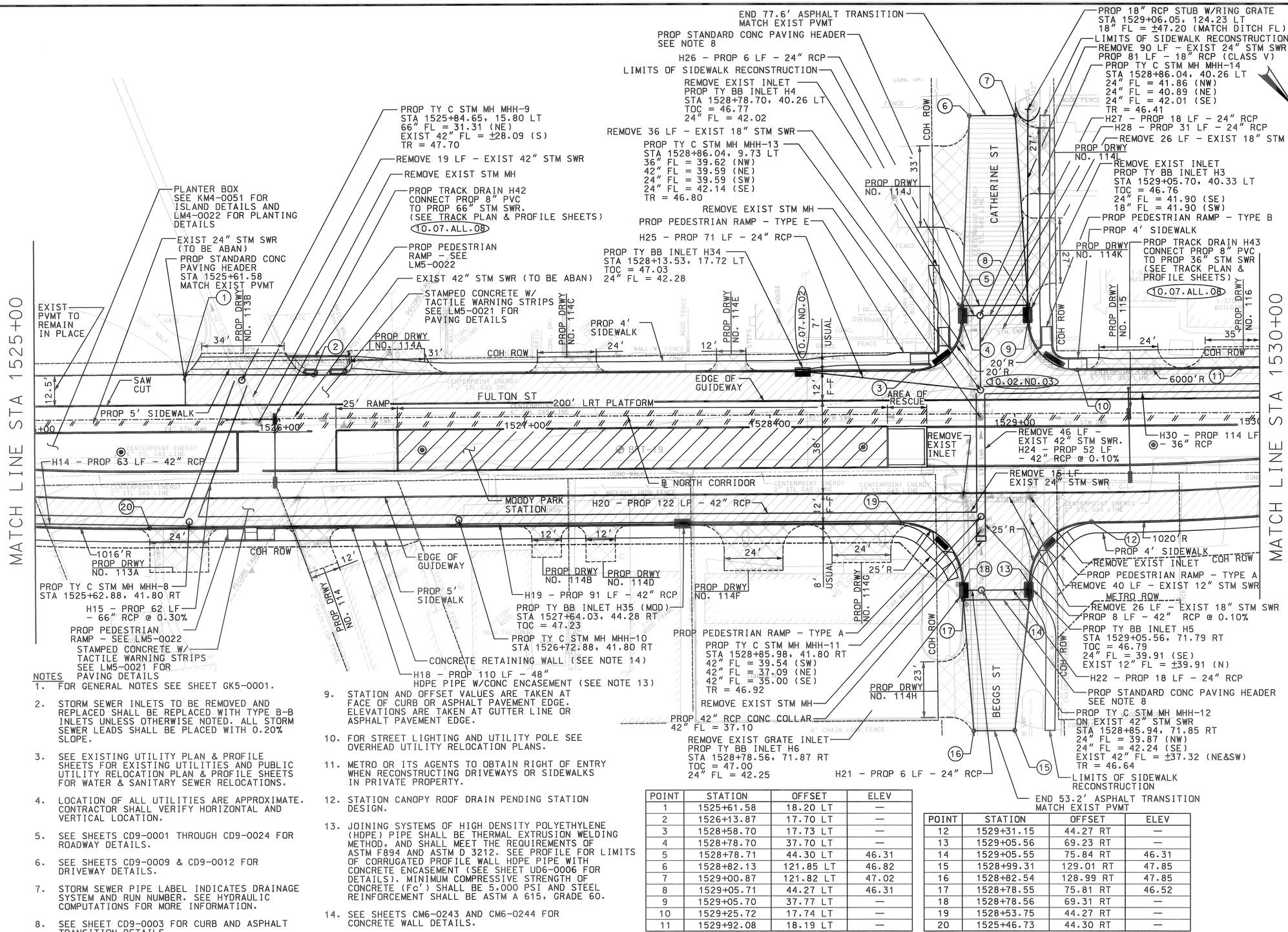

NOTES

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 CD9-0024 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. STATION CANOPY ROOF DRAIN PENDING STATION DESIGN.
13. JOINING SYSTEMS OF HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL BE THERMAL EXTRUSION WELDING METHOD, AND SHALL MEET THE REQUIREMENTS OF ASTM F894 AND ASTM D 3212. SEE PROFILE FOR LIMITS OF CORRUGATED PROFILE WALL HDPE PIPE WITH CONCRETE ENCASEMENT (SEE SHEET UD6-0006 FOR DETAILS). MINIMUM COMPRESSIVE STRENGTH OF CONCRETE (Fc') SHALL BE 5,000 PSI AND STEEL REINFORCEMENT SHALL BE ASTM A 615, GRADE 60.
14. SEE SHEETS CM6-0243 AND CM6-0244 FOR CONCRETE WALL DETAILS.

POINT	STATION	OFFSET	ELEV
1	1525+61.58	18.20 LT	—
2	1526+13.87	17.70 LT	—
3	1528+58.70	17.73 LT	—
4	1528+78.70	37.70 LT	—
5	1528+78.71	44.30 LT	46.31
6	1528+82.13	121.85 LT	46.82
7	1529+00.87	121.82 LT	47.02
8	1529+05.71	44.27 LT	46.31
9	1529+05.70	37.77 LT	—
10	1529+25.72	17.74 LT	—
11	1529+92.08	18.19 LT	—

POINT	STATION	OFFSET	ELEV
12	1529+31.15	44.27 RT	—
13	1529+05.56	69.23 RT	—
14	1529+05.55	75.84 RT	46.31
15	1528+99.31	129.01 RT	47.85
16	1528+82.54	128.99 RT	47.85
17	1528+78.55	75.81 RT	46.52
18	1528+78.56	69.31 RT	—
19	1528+53.75	44.27 RT	—
20	1525+46.73	44.30 RT	—

ROADWAY DESIGN

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

PRIVATE UTILITY LINES SHOWN

CENTER POINT ENERGY - GAS — DATE 3/25/10

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO: 46882

CONTRACT SHEET No. 83 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 1525+00 TO STA 1530+00

CONTRACT NO. 0800120 — DRAWING NO. CM6-0051 — REV.

RELEASED FOR CONSTRUCTION APR 07 2010

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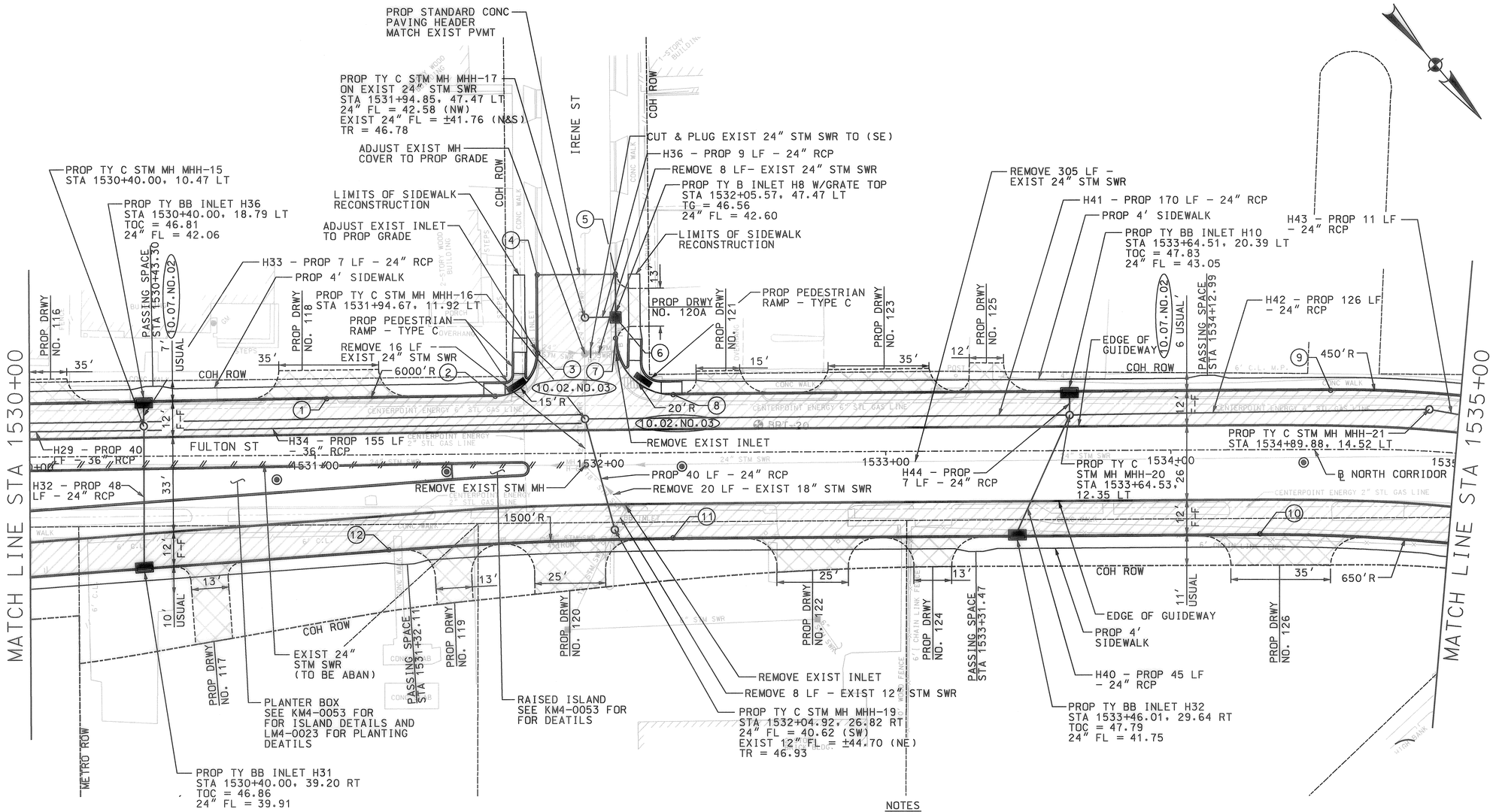
2/24/2010



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 PLATFORM
- COH DESIGN VARIANCE

POINT	STATION	OFFSET	ELEV
1	1531+04.12	19.58 LT	—
2	1531+63.25	20.02 LT	—
3	1531+78.22	35.03 LT	—
4	1531+78.21	62.57 LT	46.68
5	1532+05.57	62.62 LT	46.70
6	1532+05.57	47.47 LT	46.56
7	1532+05.57	40.14 LT	—
8	1532+25.60	20.14 LT	—
9	1534+56.14	20.55 LT	—
10	1534+31.12	29.50 RT	—
11	1532+25.29	29.86 RT	—
12	1531+25.80	33.34 RT	—

NOTES

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ROADWAY DESIGN

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

PRIVATE UTILITY LINES SHOWN

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

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. 85 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

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 1530+00 TO STA 1535+00

CONTRACT NO. 0800120 — DRAWING NO. CM6-0053 — REV.

RELEASED FOR CONSTRUCTION APR 07 2010

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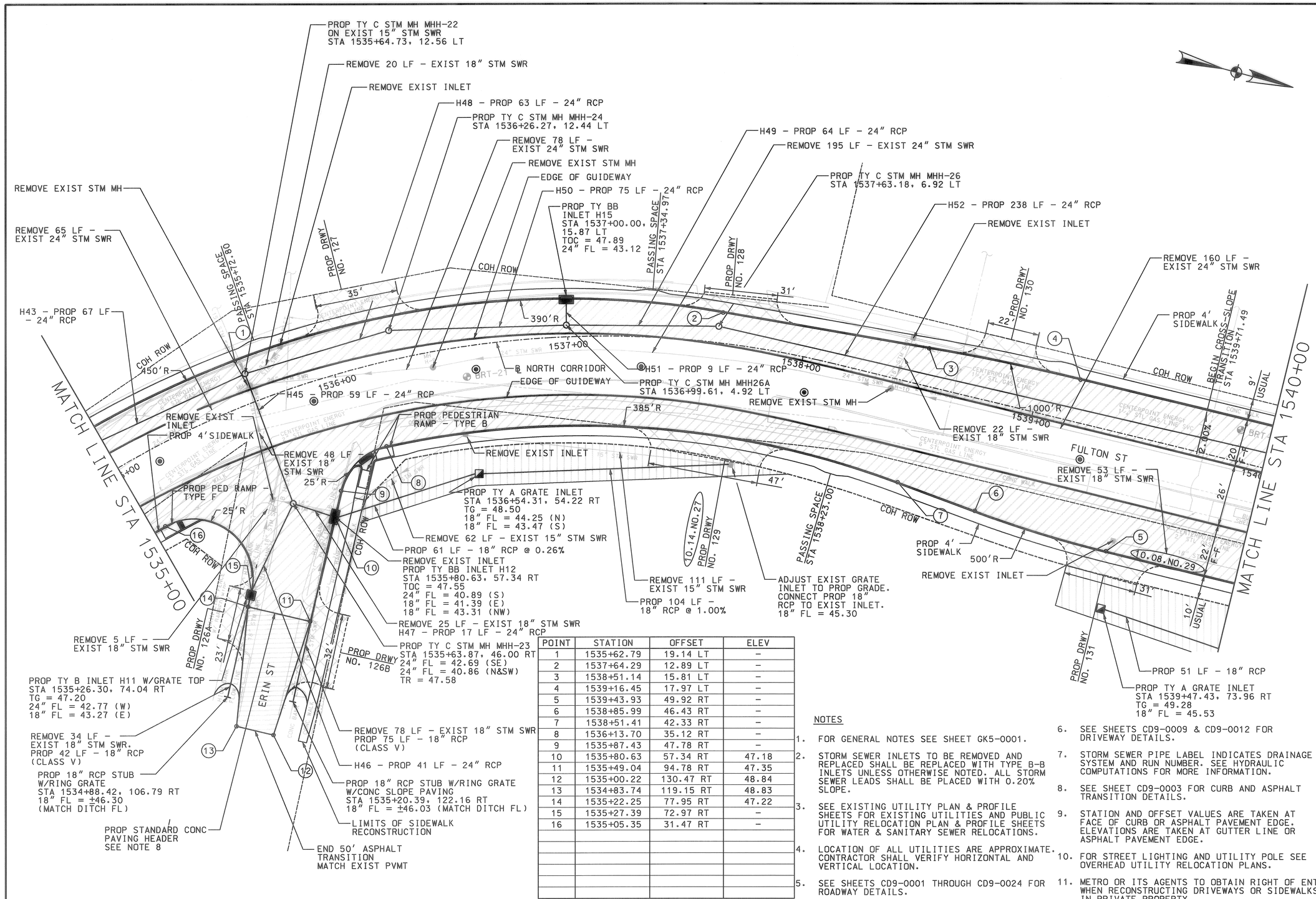

POINT	STATION	OFFSET	ELEV
1	1535+62.79	19.14 LT	-
2	1537+64.29	12.89 LT	-
3	1538+51.14	15.81 LT	-
4	1539+16.45	17.97 LT	-
5	1539+43.93	49.92 RT	-
6	1538+85.99	46.43 RT	-
7	1538+51.41	42.33 RT	-
8	1536+13.70	35.12 RT	-
9	1535+87.43	47.78 RT	-
10	1535+80.63	57.34 RT	47.18
11	1535+49.04	94.78 RT	47.35
12	1535+00.22	130.47 RT	48.84
13	1534+83.74	119.15 RT	48.83
14	1535+22.25	77.95 RT	47.22
15	1535+27.39	72.97 RT	-
16	1535+05.35	31.47 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
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- 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

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

PRIVATE UTILITY LINES SHOWN

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

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

CITY OF HOUSTON DWG NO:

ACCEPTED AS FILED — 46882 — CITY DRAWING NUMBER — HOUSTON, TEXAS

CONTRACT SHEET No. 87 OF 334

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP

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SCALE: 1" = 20'

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STREET MODIFICATION PLAN
FULTON STREET
STA 1535+00 TO STA 1540+00

CONTRACT NO. 0800120 — DRAWING NO. CM6-0055 — REV.

RELEASED FOR CONSTRUCTION APR 07 2010

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2/24/2010