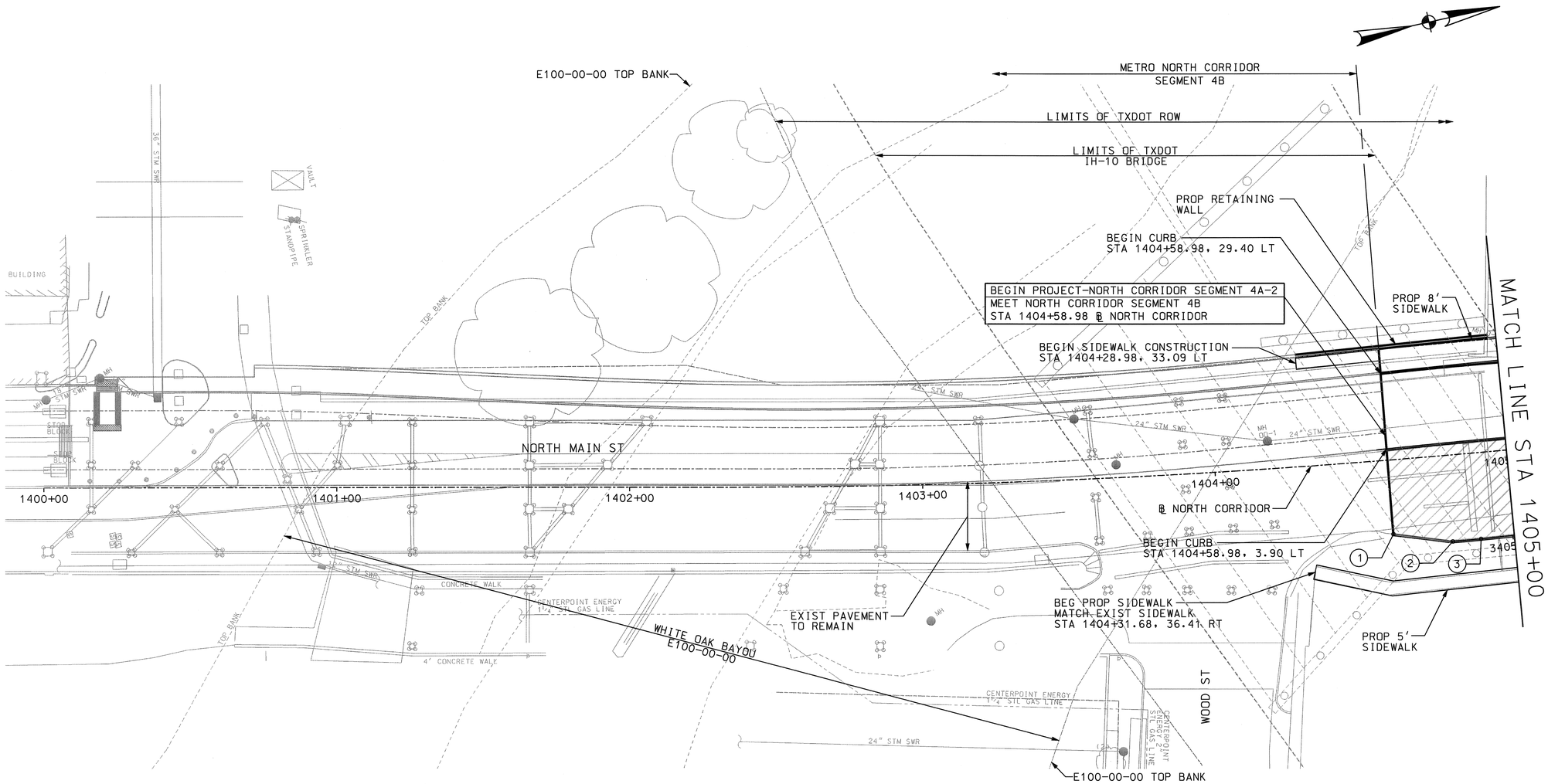


	℄ NORTH CORRIDOR			℄ RIGHT TOC		℄ LEFT TOC	
POINT	STATION	OFFSET	ELEV	STATION	OFFSET	STATION	OFFSET
1	1404+58.98	25.40 RT	—	3404+58.98	0.00 RT	—	—
2	1404+78.78	29.61 RT	—	3404+79.40	0.00 LT	—	—
3	1404+88.39	29.56 RT	—	3404+89.09	0.00 LT	—	—

NOTES

1. FOR GENERAL NOTES SEE SHEET GK5-0001.
2. SEE EXISTING UTILITY PLAN & PROFILE SHEETS FOR EXISTING UTILITIES. SEE PUBLIC UTILITY RELOCATION PLAN & PROFILE SHEETS FOR WATER & SANITARY SEWER RELOCATIONS. SEE STORM SEWER PLAN & PROFILE SHEETS FOR STORM SEWER RELOCATIONS. SEE SIGNING & PAVEMENT MARKINGS SHEETS FOR PROPOSED STRIPING.
3. LOCATION OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION.
4. SEE SHEETS CD9-0001 THROUGH CD9-0008, CD9-0016, CD9-0017, CD9-0020, CD9-0024, CD9-0026, CD9-0031, AND CD9-0032 FOR ROADWAY DETAILS.
5. SEE SHEETS CD9-0009 AND CD9-0010 FOR DRIVEWAY DETAILS.
6. SEE SHEET CD9-0003 FOR CURB AND ASPHALT TRANSITION DETAILS.
7. STATIONS AND OFFSET VALUES ARE TAKEN AT FACE OF CURB OR ASPHALT PAVEMENT EDGE. ELEVATIONS ARE TAKEN AT GUTTER LINE OR PAVEMENT EDGE.
8. FOR STREET LIGHTING AND UTILITY POLE LOCATIONS SEE OVERHEAD UTILITY RELOCATION PLANS.
9. METRO OR ITS AGENTS TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS OR SIDEWALKS ON PRIVATE PROPERTY.
10. SEE SHEETS CP3-1000 AND CP3-1001 FOR HCFCD ROW.
11. SEE SHEET SC7-0201 THROUGH SC7-0209 FOR RETAINING WALL LAYOUTS.

PRIVATE UTILITY LINES SHOWN
11/18/10
CENTER POINT ENERGY - GAS DATE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO:
47732

CONTRACT SHEET No. 81 OF 371

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP

STATE OF TEXAS
KRISTEN L. SACHTLEBEN
100091
LICENSED
PROFESSIONAL ENGINEER
11-18-10

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. BERTSCH	17 AUG 2010
DRN BY	DATE
M. MERONEY	17 AUG 2010
DRN CKD BY	DATE
B. KING	17 AUG 2010
DES BY	DATE
L. LAU	17 AUG 2010
DES CKD BY	DATE
R. CONE	17 AUG 2010
APPROVED BY	DATE

SCALE: 1" = 20'

METRO SOLUTIONS NORTH CORRIDOR – SEGMENT 4A-2

STREET MODIFICATION PLAN
NORTH MAIN STREET
BEGIN PROJECT TO STA 1405+00

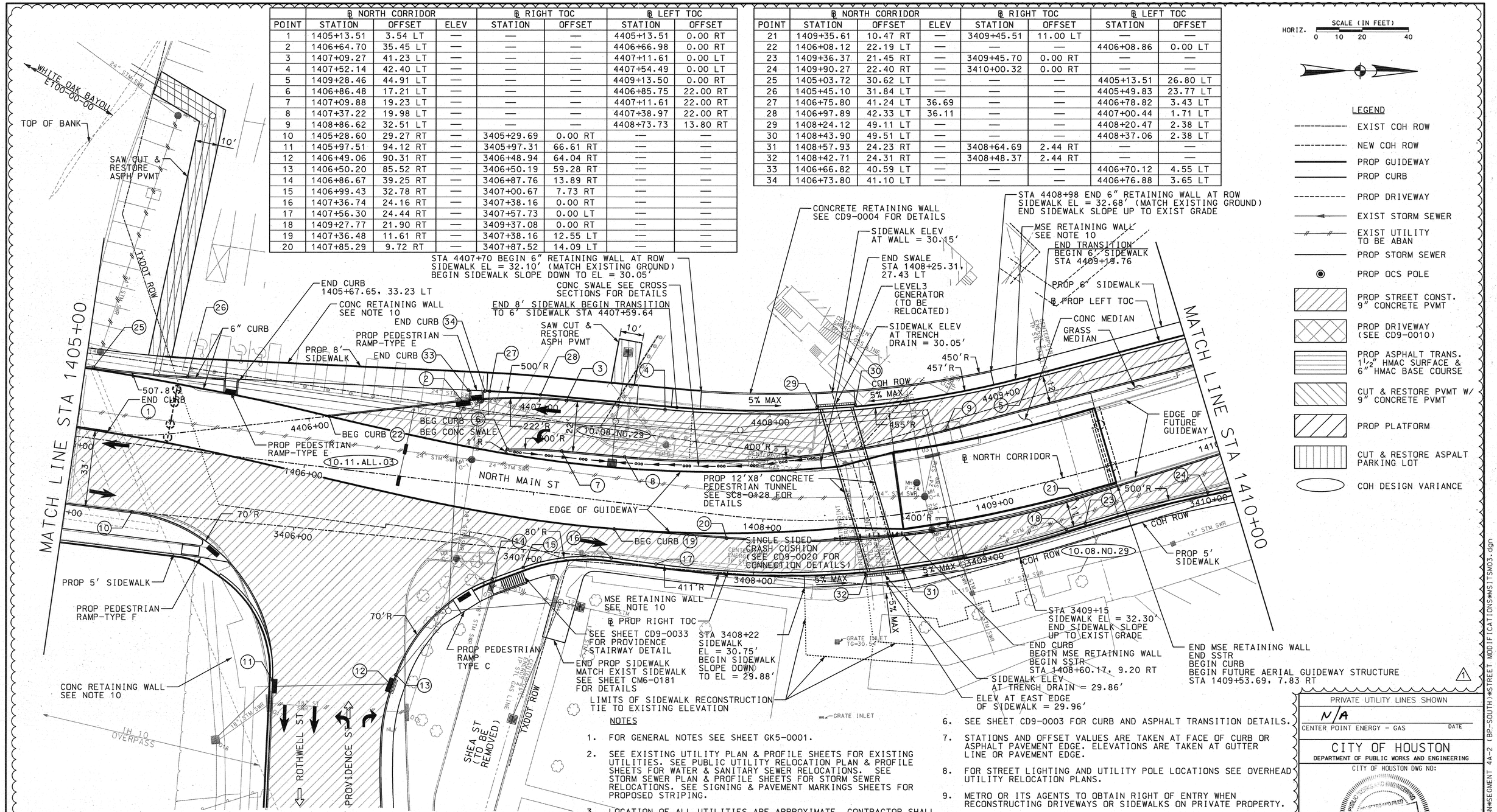
CONTRACT NO. 0800120 | DRAWING NO. CM6-0001 | REV.

RELEASED FOR CONSTRUCTION 1/12/11

g:\1120\4269-03\1\04 cadd files\dgn\segment 4a-2 (bp-south)\street modifications\MSITSM01.dgn
11/18/2010

POINT	℄ NORTH CORRIDOR STATION	OFFSET	ELEV	℄ RIGHT TOC STATION	OFFSET	℄ LEFT TOC STATION	OFFSET
1	1405+13.51	3.54 LT	—	—	—	4405+13.51	0.00 RT
2	1406+64.70	35.45 LT	—	—	—	4406+66.98	0.00 RT
3	1407+09.27	41.23 LT	—	—	—	4407+11.61	0.00 LT
4	1407+52.14	42.40 LT	—	—	—	4407+54.49	0.00 LT
5	1409+28.46	44.91 LT	—	—	—	4409+13.50	0.00 RT
6	1406+86.48	17.21 LT	—	—	—	4406+85.75	22.00 RT
7	1407+09.88	19.23 LT	—	—	—	4407+11.61	22.00 RT
8	1407+37.22	19.98 LT	—	—	—	4407+38.97	22.00 RT
9	1408+86.62	32.51 LT	—	—	—	4408+73.73	13.80 RT
10	1405+28.60	29.27 RT	—	3405+29.69	0.00 RT	—	—
11	1405+97.51	94.12 RT	—	3405+97.31	66.61 RT	—	—
12	1406+49.06	90.31 RT	—	3406+48.94	64.04 RT	—	—
13	1406+50.20	85.52 RT	—	3406+50.19	59.28 RT	—	—
14	1406+86.67	39.25 RT	—	3406+87.76	13.89 RT	—	—
15	1406+99.43	32.78 RT	—	3407+00.67	7.73 RT	—	—
16	1407+36.74	24.16 RT	—	3407+38.16	0.00 RT	—	—
17	1407+56.30	24.44 RT	—	3407+57.73	0.00 LT	—	—
18	1409+27.77	21.90 RT	—	3409+37.08	0.00 RT	—	—
19	1407+36.48	11.61 RT	—	3407+38.16	12.55 LT	—	—
20	1407+85.29	9.72 RT	—	3407+87.52	14.09 LT	—	—

POINT	℄ NORTH CORRIDOR STATION	OFFSET	ELEV	℄ RIGHT TOC STATION	OFFSET	℄ LEFT TOC STATION	OFFSET
21	1409+35.61	10.47 RT	—	3409+45.51	11.00 LT	—	—
22	1406+08.12	22.19 LT	—	—	—	4406+08.86	0.00 LT
23	1409+36.37	21.45 RT	—	3409+45.70	0.00 RT	—	—
24	1409+90.27	22.40 RT	—	3410+00.32	0.00 RT	—	—
25	1405+03.72	30.62 LT	—	—	—	4405+13.51	26.80 LT
26	1405+45.10	31.84 LT	—	—	—	4405+49.83	23.77 LT
27	1406+75.80	41.24 LT	36.69	—	—	4406+78.82	3.43 LT
28	1406+97.89	42.33 LT	36.11	—	—	4407+00.44	1.71 LT
29	1408+24.12	49.11 LT	—	—	—	4408+20.47	2.38 LT
30	1408+43.90	49.51 LT	—	—	—	4408+37.06	2.38 LT
31	1408+57.93	24.23 RT	—	3408+64.69	2.44 RT	—	—
32	1408+42.71	24.31 RT	—	3408+48.37	2.44 RT	—	—
33	1406+66.82	40.59 LT	—	—	—	4406+70.12	4.55 LT
34	1406+73.80	41.10 LT	—	—	—	4406+76.88	3.65 LT



NOTES

1. FOR GENERAL NOTES SEE SHEET GK5-0001.
2. SEE EXISTING UTILITY PLAN & PROFILE SHEETS FOR EXISTING UTILITIES. SEE PUBLIC UTILITY RELOCATION PLAN & PROFILE SHEETS FOR WATER & SANITARY SEWER RELOCATIONS. SEE STORM SEWER PLAN & PROFILE SHEETS FOR STORM SEWER RELOCATIONS. SEE SIGNING & PAVEMENT MARKINGS SHEETS FOR PROPOSED STRIPING.
3. LOCATION OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION.
4. SEE SHEETS CD9-0001 THROUGH CD9-0008, CD9-0016, CD9-0017, CD9-0020, CD9-0024, CD9-0026, CD9-0031, AND CD9-0032 FOR ROADWAY DETAILS.
5. SEE SHEETS CD9-0009 AND CD9-0010 FOR DRIVEWAY DETAILS.
6. SEE SHEET CD9-0003 FOR CURB AND ASPHALT TRANSITION DETAILS.
7. STATIONS AND OFFSET VALUES ARE TAKEN AT FACE OF CURB OR ASPHALT PAVEMENT EDGE. ELEVATIONS ARE TAKEN AT GUTTER LINE OR PAVEMENT EDGE.
8. FOR STREET LIGHTING AND UTILITY POLE LOCATIONS SEE OVERHEAD UTILITY RELOCATION PLANS.
9. METRO OR ITS AGENTS TO OBTAIN RIGHT OF ENTRY WHEN RECONSTRUCTING DRIVEWAYS OR SIDEWALKS ON PRIVATE PROPERTY.
10. SEE SHEET SC7-0201 THROUGH SC7-0209 FOR RETAINING WALL LAYOUTS.
11. SEE SHEET CD9-0007 AND CD9-0008 FOR LIMITS OF SAW CUT & RESTORE PAVEMENT.
12. SEE SHEETS CP3-1000 AND CP3-1001 FOR HCFCD ROW.

PRIVATE UTILITY LINES SHOWN

N/A

CENTER POINT ENERGY – GAS DATE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO:
PUBLIC WORKS AND ENGINEERING 47732 HOUSTON, TEXAS

CONTRACT SHEET No. 84 OF 371

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	08/01/11	UH PEDESTRIAN TUNNEL (RFI 031)		✓			MJK		TAA

STATE OF TEXAS MICHAEL J. KASPAR 103600 LICENSED PROFESSIONAL ENGINEER 10/04/11

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. BERTSCH	17 AUG 2010
DRN BY	DATE
M. MERONEY	17 AUG 2010
DRN CKD BY	DATE
B. KING	17 AUG 2010
DES BY	DATE
L. LAU	17 AUG 2010
DES CKD BY	DATE
R. CONE	17 AUG 2010
APPROVED BY	DATE
SCALE: 1"= 20'	

METRO SOLUTIONS NORTH CORRIDOR – SEGMENT 4A-2

STREET MODIFICATION PLAN
NORTH MAIN STREET
STA 1405+00 TO STA 1410+00

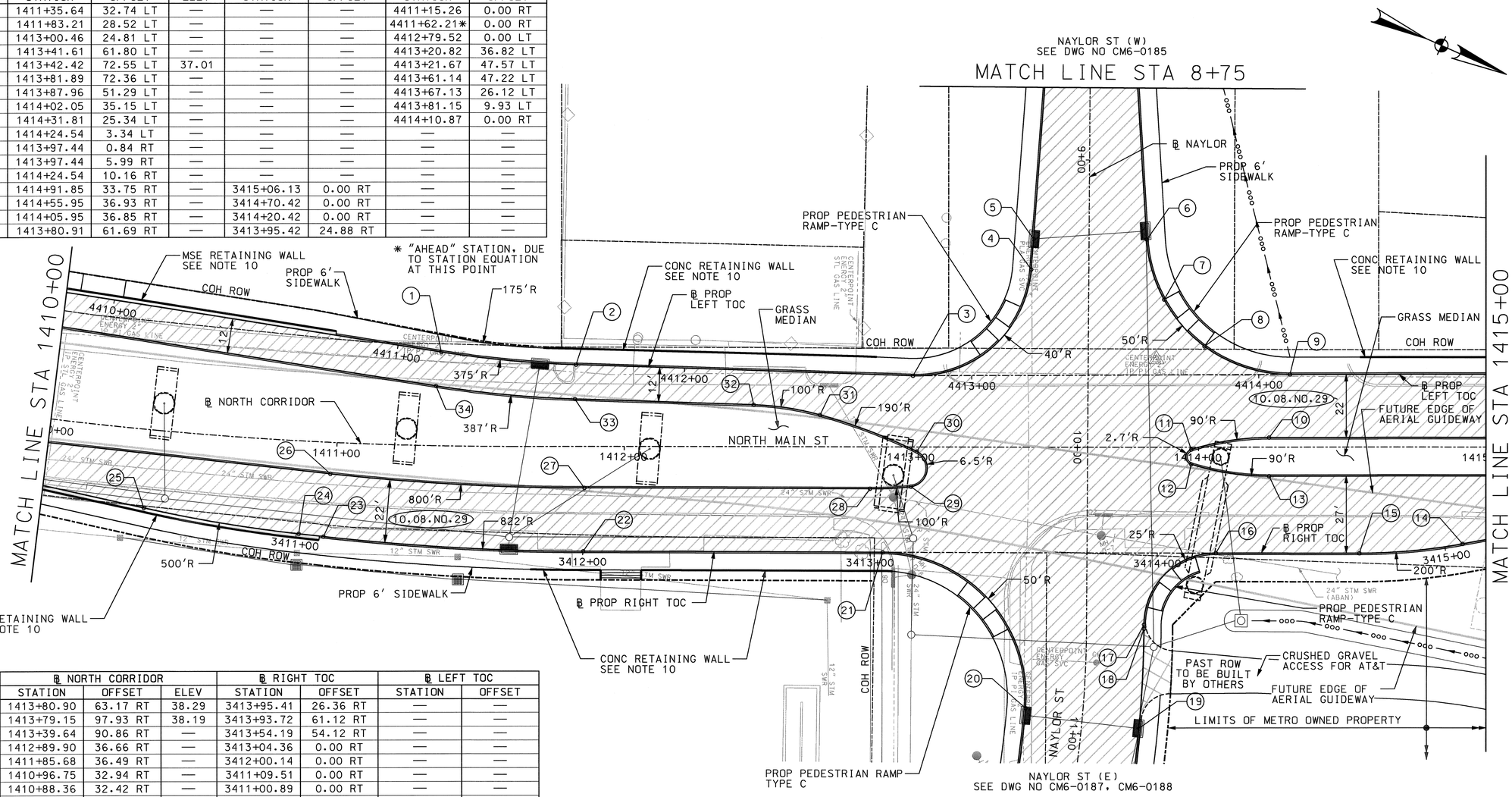
CONTRACT NO. 0800120 DRAWING NO. CM6-0004 REV. 1

RELEASED FOR CONSTRUCTION 10-17-2011

G:*1120*4269-03*IT*04 CADD Files*DGN*SEGMENT 4A-2 (BP-SOUTH)*STREET MODIFICATIONS*MSITSM03.dgn
10/5/2011
G:*1120*4269-03*IT*04 CADD Files*DGN*SEGMENT 4A-2 (BP-SOUTH)*STREET MODIFICATIONS*

POINT	℄ NORTH CORRIDOR STATION	℄ NORTH CORRIDOR OFFSET	℄ NORTH CORRIDOR ELEV	℄ RIGHT TOC STATION	℄ RIGHT TOC OFFSET	℄ LEFT TOC STATION	℄ LEFT TOC OFFSET
1	1411+35.64	32.74 LT	—	—	—	4411+15.26	0.00 RT
2	1411+83.21	28.52 LT	—	—	—	4411+62.21*	0.00 RT
3	1413+00.46	24.81 LT	—	—	—	4412+79.52	0.00 LT
4	1413+41.61	61.80 LT	—	—	—	4413+20.82	36.82 LT
5	1413+42.42	72.55 LT	37.01	—	—	4413+21.67	47.57 LT
6	1413+81.89	72.36 LT	—	—	—	4413+61.14	47.22 LT
7	1413+87.96	51.29 LT	—	—	—	4413+67.13	26.12 LT
8	1414+02.05	35.15 LT	—	—	—	4413+81.15	9.93 LT
9	1414+31.81	25.34 LT	—	—	—	4414+10.87	0.00 RT
10	1414+24.54	3.34 LT	—	—	—	—	—
11	1413+97.44	0.84 RT	—	—	—	—	—
12	1413+97.44	5.99 RT	—	—	—	—	—
13	1414+24.54	10.16 RT	—	—	—	—	—
14	1414+91.85	33.75 RT	—	3415+06.13	0.00 RT	—	—
15	1414+55.95	36.93 RT	—	3414+70.42	0.00 RT	—	—
16	1414+05.95	36.85 RT	—	3414+20.42	0.00 RT	—	—
17	1413+80.91	61.69 RT	—	3413+95.42	24.88 RT	—	—

* "AHEAD" STATION, DUE TO STATION EQUATION AT THIS POINT



POINT	℄ NORTH CORRIDOR STATION	℄ NORTH CORRIDOR OFFSET	℄ NORTH CORRIDOR ELEV	℄ RIGHT TOC STATION	℄ RIGHT TOC OFFSET	℄ LEFT TOC STATION	℄ LEFT TOC OFFSET
18	1413+80.90	63.17 RT	38.29	3413+95.41	26.36 RT	—	—
19	1413+79.15	97.93 RT	38.19	3413+93.72	61.12 RT	—	—
20	1413+39.64	90.86 RT	—	3413+54.19	54.12 RT	—	—
21	1412+89.90	36.66 RT	—	3413+04.36	0.00 RT	—	—
22	1411+85.68	36.49 RT	—	3412+00.14	0.00 RT	—	—
23	1410+96.75	32.94 RT	—	3411+09.51	0.00 RT	—	—
24	1410+88.36	32.42 RT	—	3411+00.89	0.00 RT	—	—
25	1410+35.10	27.41 RT	—	3410+46.27	0.00 RT	—	—
26	1410+98.13	10.98 RT	—	—	—	—	—
27	1411+86.13	14.49 RT	—	—	—	—	—
28	1412+85.51	14.60 RT	—	—	—	—	—
29	1412+99.75	13.88 RT	—	—	—	—	—
30	1413+01.81	1.59 RT	—	—	—	—	—
31	1412+68.13	11.10 LT	—	—	—	—	—
32	1412+45.06	14.56 LT	—	—	—	—	—
33	1411+82.83	16.52 LT	—	—	—	—	—
34	1411+33.96	20.85 LT	—	—	—	—	—

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. 9" CONCRETE PVMT
- PROP DRIVEWAY (SEE CD9-0010)
- PROP ASPHALT TRANS. 1½" HMAC SURFACE & 6" HMAC BASE COURSE
- CUT & RESTORE PVMT W/ 9" CONCRETE PVMT
- PROP PLATFORM
- COH DESIGN VARIANCE

NOTES

1. FOR GENERAL NOTES SEE SHEET GK5-0001.
2. SEE EXISTING UTILITY PLAN & PROFILE SHEETS FOR EXISTING UTILITIES. SEE PUBLIC UTILITY RELOCATION PLAN & PROFILE SHEETS FOR WATER & SANITARY SEWER RELOCATIONS. SEE STORM SEWER PLAN & PROFILE SHEETS FOR STORM SEWER RELOCATIONS. SEE SIGNING & PAVEMENT MARKINGS SHEETS FOR PROPOSED STRIPING.
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PRIVATE UTILITY LINES SHOWN
CENTER POINT ENERGY – GAS — DATE 11/18/10

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO: 47732

CONTRACT SHEET No. 87 OF 371

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP

STATE OF TEXAS — KRISTEN L. SACHTLEBEN — 100091 — LICENSED PROFESSIONAL ENGINEER — 11-18-10

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. BERTSCH	17 AUG 2010
DRN BY	DATE
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DES BY	DATE
L. LAU	17 AUG 2010
DES CKD BY	DATE
R. CONE	17 AUG 2010
APPROVED BY	DATE
SCALE:	1" = 20'

METRO SOLUTIONS NORTH CORRIDOR – SEGMENT 4A-2

STREET MODIFICATION PLAN
NORTH MAIN STREET
STA 1410+00 TO STA 1415+00

CONTRACT NO. 0800120 — DRAWING NO. CM6-0007 — REV.

RELEASED FOR CONSTRUCTION 1/12/11

g:\1120\4269-03\it\04 cadd files\dgn\segment 4a-2 (bp-south)\street modifications\MSITSM05.dgn
11/18/2010