SM-0116

MATCH LINE STA 241+00 (PB)

MATCH LINE STA 246+00 (PB)

END SEGMENT 3B

BL COYLE ST

EXIST COH ROW

PROP SOUND WALL

NB TRACK CENTERLINE

PROP BB-INLET-F30
STA 242+65, 54' LT
TC=38.95
FL=33.56

PROP 28 LF 24" RCP STM @ 0.2%

PROP TY 'C' MH-F1A
STA 242+86, 34' LT
TR=38.84

ADA PASSING SPACE

PROP 43 LF 30" RCP STM @ 0.13 %

PROP 6" CURB

PROP 4' SIDEWALK

PROP 12" CURB

PROP 10' SIDEWALK

SEED AND MULCH

REFER TO ARCHITECURAL, LANDSCAPE, AND IRRIGATION PLANS

PROP 'BB'-INLET F-9
STA 244+87, 67' LT
TC=38.40
FL=33.50
PROP 16 LF 24" RCP STM @ 0.20%
PROP TY 'C' MH-F23
STA 245+00, 49.5' LT
TR=38.53
FL=29.13 (W)
FL=31.15 (S)
FL=33.45 (E)

PROP TY 'C' MH-F19
STA 244+97, 65' LT
TR=38.10
CONNECT EXIST 10" (SE)
IF PRESENT
PROP 10 LF 24" RCP STM @ 0.20%
FL=33.48

TYPE 7 CURB RAMP

PROP 12 LF 24" RCP STM @ 0.2%

PROP BOX MH-F1
STA 245+00, 34.5' LT
TR=38.56

PROP 182 LF 36" RCP STM

PROP 15 LF 24" RCP STM @ 0.2%

PROP 'BB'-INLET F-10
STA 245+20, 53' LT
CONNECT EXIST 18" (E)
TC=38.40
(E) FL= 33.35
(N) FL= 31.18

PROP ACCESSIBLE RAMP

PROP 96 LF 48" RCP STM

PLUG PROP 48" RCP (TO BE BUILT IN SEGMENT 3A)

PROP 4 LF 48" RCP

PROP TY 'C' MH-F17
STA 245+96, 31' LT
TR=37.99

TYPE 7 CURB RAMP (+)2.0%

EXIST COH ROW

END PROP CONC 36" STA 246+00 (PB)

(+)2.0%

FL=34.53

FL=34.39

FL=32.57

FL=34.03

FL=33.89

FL=33.50

PROP CLEANOUT STA 241+25, 6' RT
FL=34.28

8" PVC UNDERDRAIN

PROP 6" CURB (TYP)

SCOTT ST

PROP CLEANOUT STA 244+67, 12' RT
FL=33.80

BG-1-5

10.07.ALL.08

30" SAN

30" SAN SWR

36" SAN (IN TUNNEL)

36" SAN. SWR.

24" RCP STM

244+00

242+00

CENTERPOINT ENERGY 2" STL GAS LINE

CENTERPOINT ENERGY 4" STL GAS LINE

CENTERPOINT ENERGY 12" STL GAS LINE

AE, AT&T (SBC, COMCAST, AT&T LEGACY)

18" STM

8" SAN SWR

JEFFERSON ST

COYLE ST

EXIST COH ROW

REFER TO ARCHITECURAL, LANDSCAPE, AND IRRIGATION PLANS

EDGE EMBEDDED RAIL SLAB

TYPE 7 CURB RAMP

PROJECT BASELINE

SB TRACK CENTERLINE

PROP TY 'C' MH-F21
STA 242+85, 10' RT
TR = 39.34

PROP JB-1
W/ACCESS MH
STA 244+70, 34.5' LT
TR = 38.80
36" FL = 29.13 (N)
4'X2' FL = 29.13 (S)
PROP 28 LF
4'X2' RCB @ 0.10%

PROP. SBC 2-4" GIP (BY OTHERS)

PROP 30 LF 36" RCP STM LINE SVC @ 0.10%

PROP 36" RCP STM @ 0.13%

PROP TY 'C' MH-F18
STA 245+96, 1' LT
TR = 38.77
(TIES IN TO EXISTING)

PROP TY 'C' MH-F6
STA 244+97, 13' RT
TR = 39.37
CONNECT EXIST 24" (NW)
(NW) FL= 31.03
(SE) FL= 30.16

4-24" BUSHES
60" BUSH
ELECTRIC METER
POWER POLE W/ OVERHEAD LINES
"NO PARKING" SIGN
POWER POLE W/LIGHT
3-GAS TONE MARKERS
23' CONC DRIVE
60" CONCRETE PAD
WATER METER
GAS TONE MARKER
32' CONC DRIVE
3" METAL POST
5-GAS TONE MARKERS
FIRE HYDRANT
WATER METER
WASHINGTON
3-GAS MARKERS
2-WATER METER
2-WATER FAUCETS
WATER VALVE
18" RCP
"NO THRU TRUCKS" SIGN
SAN MANHOLE
GAS TONE MARKER
18" RCP
SAN MANHOLE
POWER POLE W/ OVERHEAD LINES
"BB" INLET
POWER POLE W/LIGHT
30" TREE
ELECTRIC METERS
WATER FAUCET
4" SANITARY CLEAN OUT (PVC)
GAS METER
6" ASH
GAS TONE MARKER
18" ASH
10" HACKBERRY TREE
6" HACKBERRY
WATER METER
ELECTRIC METER
48" BUSH
GAS TONE MARKER
POWER POLE W/TRANSFORMER & LIGHT
2-ELECTRIC METERS
48" BUSH
24" BUSH
3" OAK TREE
WATER METER
48" BUSH
GAS TONE MARKER
16' GRAVEL DRIVE
WATER TONE MARKER
47" METAL POST
WATER METER
METRO SIGN
WATER METER
BORE HOLE (NO 10)
ELECTRIC METER
GAS METER
OVERHEAD METAL POST
POWER POLE W/ OVERHEAD LINES
"NO THRU TRUCKS" SIGN
"BB" INLET
NO TRUCKS SIGN
STM SWR MH
19-GAS TONE MARKERS
SAN SWR MH
"BB" INLET
"STOP" SIGN
6.0' X 3.0' TRASH DISPOSAL

SCALE (IN FEET)
HORIZ
0 10 20 40

NOTES:

1. FOR NOTES SEE DWG NO CC6-1074.
2. FOR COYLE ST PROFILE SEE DWG NO CC7-1202.
3. FOR STATION PLATFORMS, CROSSWALK DETAILS & SIDEWALKS @ STATION SEE ARCHITECTURAL SHEETS.
4. RETAINING WALL SHALL BE INSTALLED IF TIE-IN SLOPE IS GREATER THAN 3:1.
5. SEE DWG NO. UC6-0028P FOR PROFILE.
6. SEE DWG NO. CC7-0028 FOR DEMOLITION.
7. SEE DWG NO. SC8-0244 FOR SOUND WALL PLAN AND PROFILE.
8. SEE NOTES 6,7 AND 8 OF GENERAL UTILITY NOTES ON DWG. NO GC4-0106 FOR PAVEMENT REPLACEMENT REQUIREMENTS FOR PROPOSED WATER AND SEWER WORK.
9. SEE DWG NO. UD6-9109 FOR COYLE ST STORM SEWER PROFILE.

RELEASED FOR CONSTRUCTION 7/1/2010

PRIVATE UTILITY LINES SHOWN

CENTERPOINT ENERGY, GAS FACILITIES — 6-22-10

SBC UTILITY LINES SHOWN

APPROVED FOR SBC UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR — DATE 6/24/10

CENTERPOINT ENERGY, ELECTRIC FACILITIES — 6-22-10

APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES UNLESS NOTED. VALID AT TIME OF REVIEW ONLY.

CABLE COMPANY

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

46499 CITY ENGINEER REGISTERED PROFESSIONAL ENGINEER STATE OF TEXAS

CONTRACT SHEET NO 82 OF 318

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	06/04/2010	RFR 3B00001-12" GAS & 8" SS				LHD		CR	CW

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY

KUSAY MANAF ALI, 100382, LICENSED PROFESSIONAL ENGINEER, STATE OF TEXAS, Lockwood, Andrews & Newnam Inc. ID # 2614, 6/21/10

DRAWINGS ONLY — PATRICK W. PHILLIPS, 92917, LICENSED PROFESSIONAL ENGINEER, STATE OF TEXAS, Lockwood, Andrews & Newnam Inc. ID # 2614, 6/21/10

HOUSTON RAPID TRANSIT JV

METRO Solutions
Going Places
Metropolitan Transit Authority of Harris County, Texas

CADD	09/21/09
DRN BY J.H.	DATE 09/21/09
DRN CKD BY G.L.C.	DATE 09/21/09
DES BY K.M.A.	DATE 09/21/09
DES CKD BY C.E.R.	DATE 09/21/09
APPROVED BY	DATE
SCALE: AS SHOWN	

METRO SOLUTIONS SOUTHEAST CORRIDOR - 3B

STREET MODIFICATION PLAN STA 241+00 (PB) TO STA 246+00 (PB)

CONTRACT NO. CT0800120 | DRAWING NO. CC6-0116 | REV. 1

6/21/2010 9:41:44 AM AKundu
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SM-0029

END SEGMENT 3B

BEGIN SEGMENT 3A

SCALE (IN FEET)
HORIZ 0 10 20 40

PROP TY 'C' MH-F17 (TO BE BUILT IN SEGMENT 3B) STA 245+96. 31' LT TR = 37.99

PROP 119 LF 48" RCP STM @ 0.1%

PROP TYP 'C' MH-F44 STA 247+17. 27' RT TR= 37.64 CONNECT EXIST 18" RCP STM (SE) FL= 33.73

PROP TY 'BB'-INLET F-12 STA 247+27. 33' LT TC= 37.96 PROP 24" RCP STM (NW) FL= 33.01

PROP 11 LF 18" RCP STM @ 0.25%

PROP 5 LF 24" RCP STM @ 0.2%

PROP TYP 'C' MH F-13 STA 247+27. 27' LT TR= 37.59

PROP 252 LF 48" RCP STM

PROP 4' SIDEWALK (TYP)

PROP 6" CURB (TYP)

RETAINING WALL # 1A

PROP TY 'BB'-INLET F-21 STA 249+77. 71' LT TC=36.85 PROP 24" RCP STM (W)=28.04 CONNECT TO OFFSITE DRAINAGE (IF PRESENT)

PROP 29 LF 24" RCP STM @ 0.2%

COH ROW

EXIST COH ROW

SCOTT ST

10.11.ALL.03

10.07.ALL.08

PROP 10 LF 48" RCP STM

PROP 51 LF 24" RCP STM @ 0.2%

FL=31.00

FL=32.61

FL=32.75

PROP 6" CURB (TYP)

NB TRACK ℄

SB TRACK ℄

SEED AND MULCH

PROJECT BASELINE

EDGE OF EMBEDDED TRACK SLAB

STA 246+73.30 27.17' LT

STA 247+47.05 26.78' LT

PROP TYP 'C' MH-F3 STA 249+79. 41' LT TR= 37.59

PROP 20 LF 48" RCP STM

ABANDON SEGMENT 3B TEMPORARY CONNECTION PIPE

REMOVE SEGMENT 3B TEMPORARY CONNECTION MANHOLE

TYPE 7 RAMP

CENTERPOINT ENERGY GAS LINE SVC

EXIST TXDOT ROW

THARP

PROP TYP 'C' MH-F46 STA 247+39. 23' RT TR=38.10 CONNECT EXIST 24" RCP STM (NW) FL (NW)=28.53 PROP 24" RCP STM (SE) FL=28.33

MATCH LINE STA 246+00 (PB)

MATCH LINE STA 250+00 (PB)

2.0%

24"

36" RCP STM

36" STM. SWR.

30" SAN. SWR.

8" SAN. SWR.

18" STM. SWR.

12" STM. SWR.

6" STV. SWR.

4" STM. SWR.

2" STM. SWR.

SMH

MHCOT

BG-1-6

(SBC. COMCAST, AT&T LEGACY)

(IN TUNNEL)

RETAINING WALL NO.	BEGIN INSTALLATION		END INSTALLATION	
	STA	OFFSET	STA	OFFSET
		FT		FT
1A	248+54.04	47.75' LT	249+00.00	57.76'LT
	249+00.00	57.76' LT	249+34.87	66.61' LT

NOTES:

1. SEE DWG. NO. CC6-1073 FOR NOTES AND LEGEND.
2. SEE DWG. NO. CC7-5084 FOR DEMOLITION.
3. SEE DWG. NO. UC6-0029P FOR PROFILE.
4. SEE NOTES 6, 7, AND 8 OF GENERAL UTILITY NOTES ON DWG. NO. GC4-1046, CC9-0153 AND CC9-0154 FOR PAVEMENT REPLACEMENT REQUIREMENTS FOR PROPOSED WATER AND SEWER WORK.
5. METRO/HRT NEEDS TO OBTAIN RIGHT OF ENTRY FROM PROPERTY OWNER BEFORE PERFORMING ANY WORK ON PRIVATE PROPERTY.

RELEASED FOR CONSTRUCTION 7/26/10

PRIVATE UTILITY LINES SHOWN

J.B. Pearl 6-16-10
CENTERPOINT ENERGY, GAS FACILITIES

SBC UTILITY LINES SHOWN
Joanna C. Ward 6/21/10 DATE
APPROVED FOR SBC UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR

J.B. Pearl 6-16-10
CENTERPOINT ENERGY, ELECTRIC FACILITIES
APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES UNLESS NOTED. VALID AT TIME OF REVIEW ONLY.

CABLE COMPANY

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PUBLIC WORKS AND ENGINEERING CONTRACT NO. 47205 CITY DRAWING NUMBER HOUSTON, TEXAS

CONTRACT SHEET NO 104 OF 523

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP

Lockwood, Andrews & Newnam, Inc. A LEO A DALY COMPANY

STATE OF TEXAS KUSAY MANAF ALI 100382 LICENSED PROFESSIONAL ENGINEER 6/16/10 Lockwood, Andrews & Newnam Inc. ID # 2614

DRAINAGE ONLY STATE OF TEXAS PATRICK W. PHILLIPS 92917 LICENSED PROFESSIONAL ENGINEER 6/16/10 Lockwood, Andrews & Newnam Inc. ID # 2614

HRT HOUSTON RAPID TRANSIT JV

METRO Solutions Going Places
Metropolitan Transit Authority of Harris County, Texas

CADD	05/14/10 DATE
DRN BY	J.H.
DRN CKD BY	K.M.A. 05/14/10 DATE
DES BY	C.E.R. 05/14/10 DATE
DES CKD BY	K.M.A. 05/14/10 DATE
APPROVED BY	
SCALE:	AS SHOWN

METRO SOLUTIONS SOUTHEAST CORRIDOR - 3A

STREET MODIFICATION PLAN STA 246+00 (PB) TO STA 250+00 (PB)

CONTRACT NO. CT0800120 | DRAWING NO. CC6-0029 | REV.

6/15/2010 4:04:49 PM AKundu
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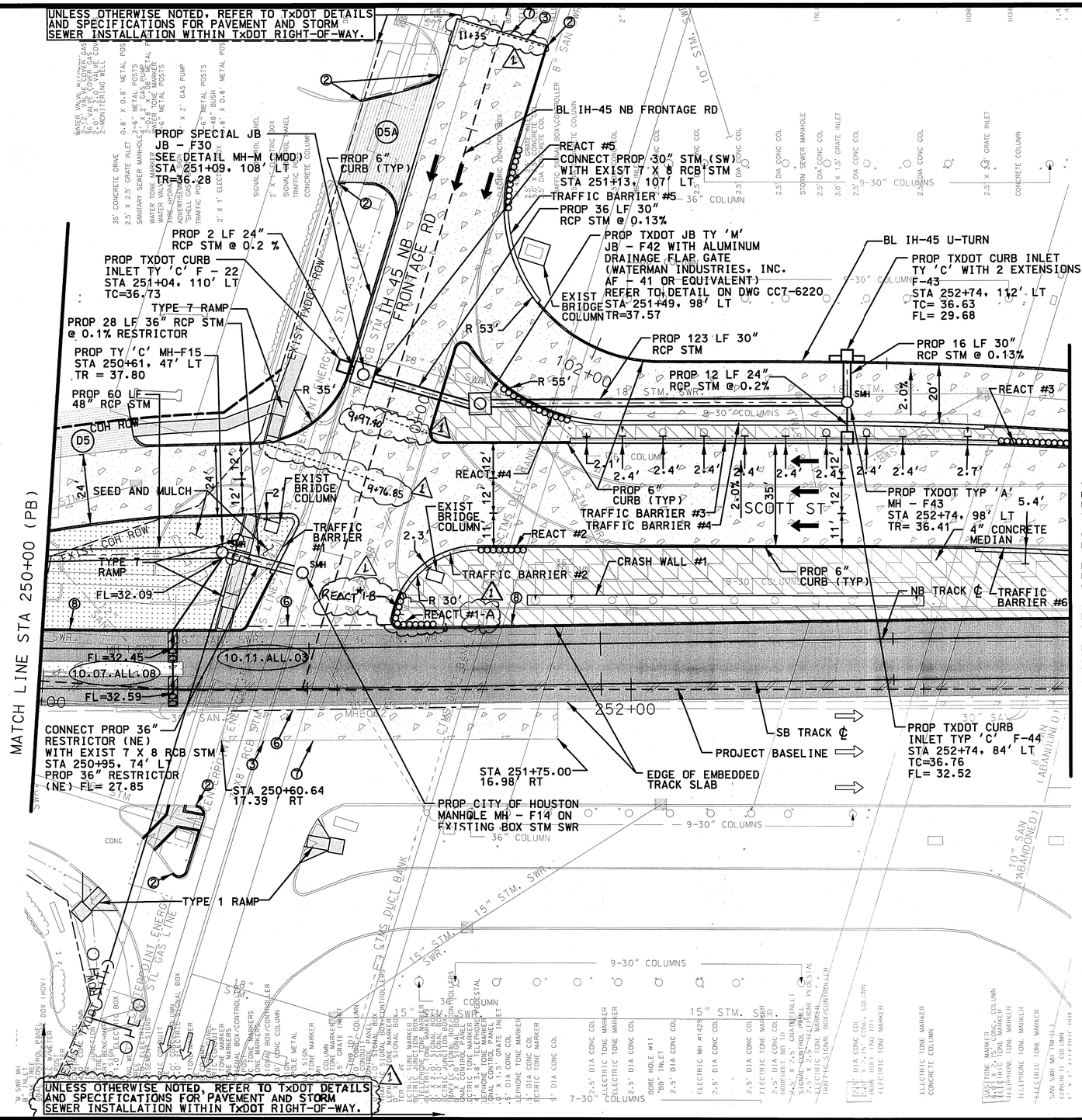

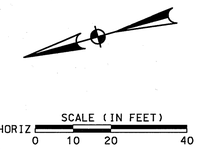

NOTES:

1. SEE DWG. NO. CC6-1073 FOR NOTES AND LEGEND
2. SEE DWG. NO. UC6-0130P FOR IH-45 U-TURN PROFILE.
3. SEE DWG. NO. UC6-1083P FOR IH-45 NB FRONTAGE RD PROFILE
4. SEE DWG. NO. UC6-0030P FOR PROFILE.
5. SEE DWG. NO. CC7-0030 FOR DEMOLITION.
6. SEE NOTES 6, 7, AND 8 OF GENERAL UTITILIY NOTES ON DWG. NO. GC4-1046, CC9-0153 AND CC9-0154 FOR PAVEMENT REPLACEMENT REQUIREMENTS FOR PROPOSED WATER AND SEWER WORK.
7. SEE DWG. NO. CC7-6221 FOR CRASH WALL DETAILS.
8. STREET DESIGN AT SCOTT/IH-45 INTERSECTION SHALL MEET AND/OR EXCEED EXISTING VERTICAL CLEARANCE(S).
9. TxDOT PERMIT WILL BE REQUIRED FOR WORK WITHIN TxDOT R.O.W.
10. REFER TO DWG NO. CC6-2030 FOR CONCRETE PAVEMENT DETAILS FOR WORK WITHIN TxDOT R.O.W.
11. METRO/HRT NEEDS TO OBTAIN RIGHT OF ENTRY FROM PROPERTY OWNER BEFORE PERFORMING ANY WORK ON PRIVATE PROPERTY.

TRAFFIC BARRIER NO.	TXDOT TYPE	BEGIN INSTALLATION STA	BEGIN INSTALLATION OFFSET	END INSTALLATION STA	END INSTALLATION OFFSET
1	T551	250+74.31	61.11' LT	250+78.58	39.60' LT
2	T551	251+24.56	35.34' LT	251+51.00	51.00' LT
3	T551	251+79.45	83.90' LT	253+25.68	82.84' LT
4	T551	251+79.80	93.29' LT	253+21.09	90.16' LT
5	T551	251+57.25	163.67' LT	251+68.47	132.19' LT

REUSABLE ENERGY ABSORBING CRASH TERMINAL (REACT) NO.	TXDOT TYPE
1-A, 1-B (1)	REACT 350.4-B
2	REACT 350.4-B
3	REACT 350.4-B
4	REACT 350.4-B
5	REACT 350.4-B

CRASH WALL NO.	ELEVATION BOTTOM	ELEVATION TOP	BEGIN INSTALLATION STA	BEGIN INSTALLATION OFFSET	END INSTALLATION STA	END INSTALLATION OFFSET
1	33.55	43.66	251+64.72	28.78' LT	253+00.21	28.39' LT

RELEASED FOR CONSTRUCTION 7/26/10

PRIVATE UTILITY LINES SHOWN

6-16-10
CENTERPOINT ENERGY, GAS FACILITIES

SBC UTILITY LINES SHOWN
Diana C. Ward 6/21/10
APPROVED FOR SBC UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR DATE

6-16-10
CENTERPOINT ENERGY, ELECTRIC FACILITIES
APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES UNLESS NOTED. VALID AT TIME OF REVIEW ONLY.

CABLE COMPANY

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PUBLIC WORKS AND ENGINEERING 47205 CITY DRAWING NUMBER HOUSTON, TEXAS

CONTRACT SHEET NO 106 OF 523

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	11/24/2010	TxDOT REQUESTED REVISIONS (RFR 00016)				C.M.	K.A.		

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY

STATE OF TEXAS KUSAY MANF ALI 106382 LICENSED PROFESSIONAL ENGINEER 6/16/10 Lockwood, Andrews & Newnam Inc. ID # 2614

DRAINAGE ONLY STATE OF TEXAS PATRICK M. PHILLIPS 92317 LICENSED PROFESSIONAL ENGINEER 6/16/10 Lockwood, Andrews & Newnam Inc. ID # 2614

HRT HOUSTON RAPID TRANSIT JV

METRO Solutions
Going Places
Metropolitan Transit Authority of Harris County, Texas

CADD DRN BY		05/14/10 DATE
J.H. DRN CKD BY		05/14/10 DATE
K.M.A. DES BY		05/14/10 DATE
C.E.R. DES CKD BY		05/14/10 DATE
K.M.A. APPROVED BY		05/14/10 DATE

SCALE: AS SHOWN

METRO SOLUTIONS SOUTHEAST CORRIDOR - 3A

STREET MODIFICATION PLAN STA 250+00 (PB) TO STA 253+50 (PB)

CONTRACT NO. CT0800120 | DRAWING NO. CC6-0030 | REV. 1

6/15/2010 4:05:49 PM AKundu
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