UNTITLED-METRO
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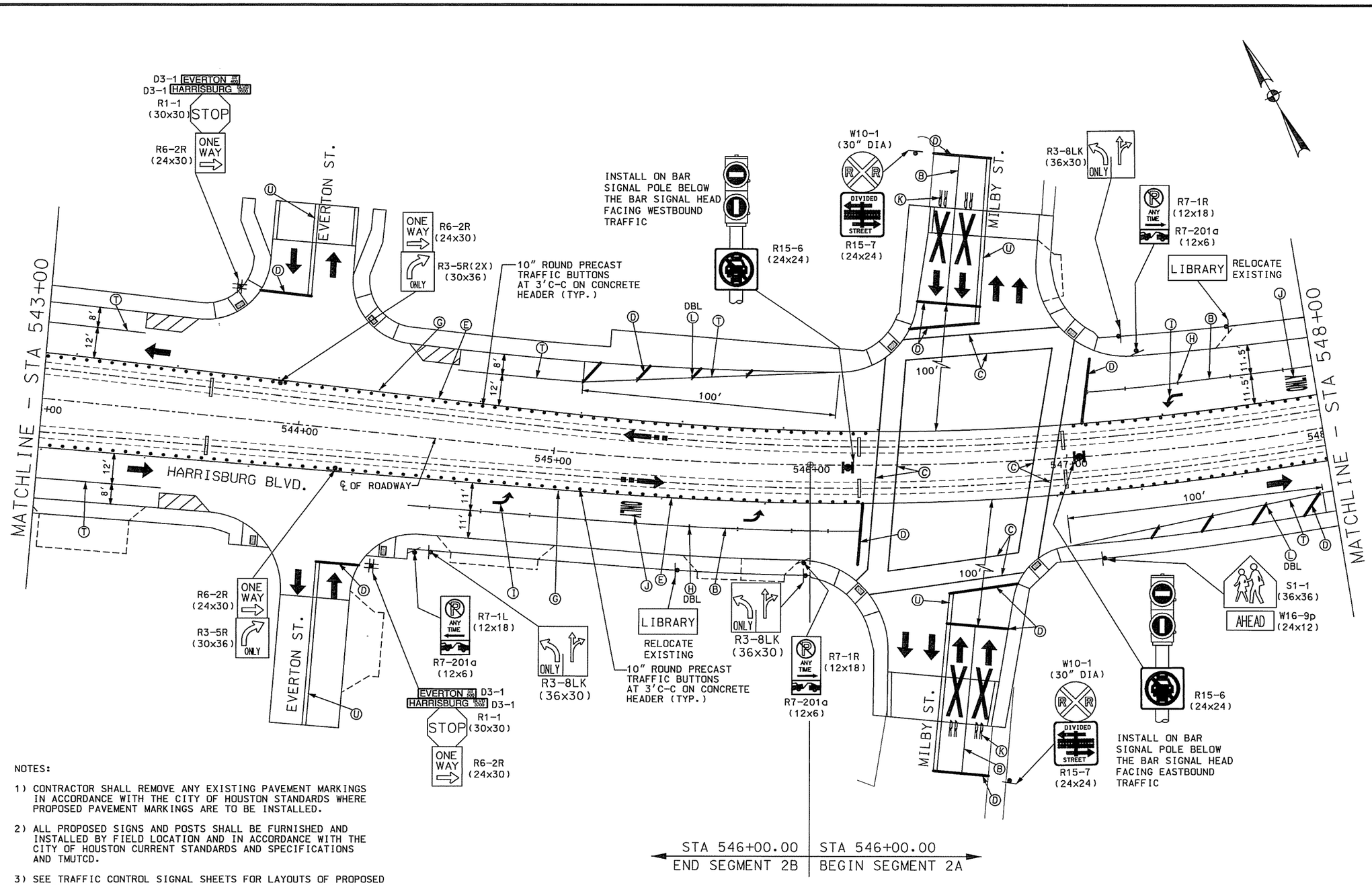
3/8/2011



LEGEND

- Ⓐ REFL PAV MARK (4") (WHITE) (BROKEN)
- Ⓑ REFL PAV MARK (8") (WHITE) (SOLID)
- Ⓒ REFL PAV MARK (12") (WHITE) (SOLID)
- Ⓓ REFL PAV MARK (24") (WHITE) (SOLID)
- Ⓔ REFL PAV MARK (4") (YELLOW) (SOLID)
- Ⓕ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40'C-C (TYPE II- C/R)
- Ⓖ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE II-A/A)
- Ⓗ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER,SPACED AT 20'C-C (TYPE II- C/R)
- Ⓘ REFL PAV MARK (ARROW)
- Ⓙ REFL PAV MARK (WORD)
- Ⓚ PAV MARK RR XING
- Ⓛ 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER,SPACED AT 40'C-C (TYPE I-C)
- Ⓜ 4" CAT TRACKS (W)
- Ⓝ 4" CAT TRACKS (Y)
- Ⓟ REFL PAV MARK (24") (YELLOW) (SOLID)
- Ⓡ REFL PAV MARK (4") (YELLOW) (BROKEN)
- Ⓢ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 20' C-C (TYPE II-A/A)
- Ⓣ REFL PAV MARK (4") (WHITE) (SOLID)
- Ⓤ REFL PAV MARK (4") (DBL.YELLOW) (SOLID)
- Ⓦ 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE I-A)
- Ⓥ REFL PAV MARK (12") (YELLOW) (SOLID)
- PROP SMALL GROUND SIGN
- BI-DIRECTIONAL BAR SIGNAL
- LRT FLOW ARROW
- TRAFFIC FLOW ARROW
- NO PARKING STRIPING

NOTES:

1) CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKINGS IN ACCORDANCE WITH THE CITY OF HOUSTON STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.

2) ALL PROPOSED SIGNS AND POSTS SHALL BE FURNISHED AND INSTALLED BY FIELD LOCATION AND IN ACCORDANCE WITH THE CITY OF HOUSTON CURRENT STANDARDS AND SPECIFICATIONS AND TMUTCD.

3) SEE TRAFFIC CONTROL SIGNAL SHEETS FOR LAYOUTS OF PROPOSED TRAFFIC SIGNAL IMPROVEMENTS AND SIGNAL RELATED SIGNS.

4) THE CONTRACTOR SHALL INSTALL THE PARKING SIGNS AT AN ANGLE OF NOT LESS THAN 30 DEGREES NOR MORE THAN 45 DEGREES IN ORDER TO BE VISIBLE TO APPROACHING PARALLEL TRAFFIC.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO:
PUBLIC WORKS AND ENGINEERING — ACCEPTED AND FILED — 48019 — CITY DRAWING NUMBER — HOUSTON, TEXAS

RELEASED FOR CONSTRUCTION APR 06 2011

CONTRACT SHEET NO.42 OF 57

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	2/24/11	MODIFIED PERMANENT TRAFFIC CONTROL FOR CROSSWALK SIGNS & STRIPE (HAWK BEACON ADDED AT HAGERMAN ST/FELIX ST)							

CDM Camp Dresser & McKee Inc. consulting • engineering • construction • operations TX. REG. No. F-3043
SCENTECH ENGINEERS TX. REG. No. F-4014
Kimley-Horn and Associates, Inc. TX. REG. No. F-928
STATE OF TEXAS — NADEEM ABBASI 82565 — REGISTERED PROFESSIONAL ENGINEER — Nadeem Abbasi 03/09/11
OMEGA ENGINEERS INC. 16350 Park Ten Place, SUITE 120 Houston, Texas 77084 Tel 281-647-9182 Fax 281-647-9184 TX. REG. No. F-2147
HRT HOUSTON RAPID TRANSIT JV
METRO Solutions Metropolitan Transit Authority of Harris County, Texas

J.M.B.	20 JANUARY 2011	
DRN BY	DATE	
J.T.A.	20 JANUARY 2011	
DRN CKD BY	DATE	
M.I.	20 JANUARY 2011	
DES BY	DATE	
J.T.A.	20 JANUARY 2011	
DES CKD BY	DATE	
E. CASTILLO	20 JANUARY 2011	
APPROVED BY	DATE	

SCALE: 1" = 20'

PERMANENT TRAFFIC CONTROL PACKAGE

EAST END CORRIDOR - SEG. 2A
PERMANENT TRAFFIC CONTROL PLAN
STA 543+00 TO STA 548+00

CONTRACT NO. CT 0800120 | DRAWING NO. WC3-0011 | REV. 0

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3/8/2011
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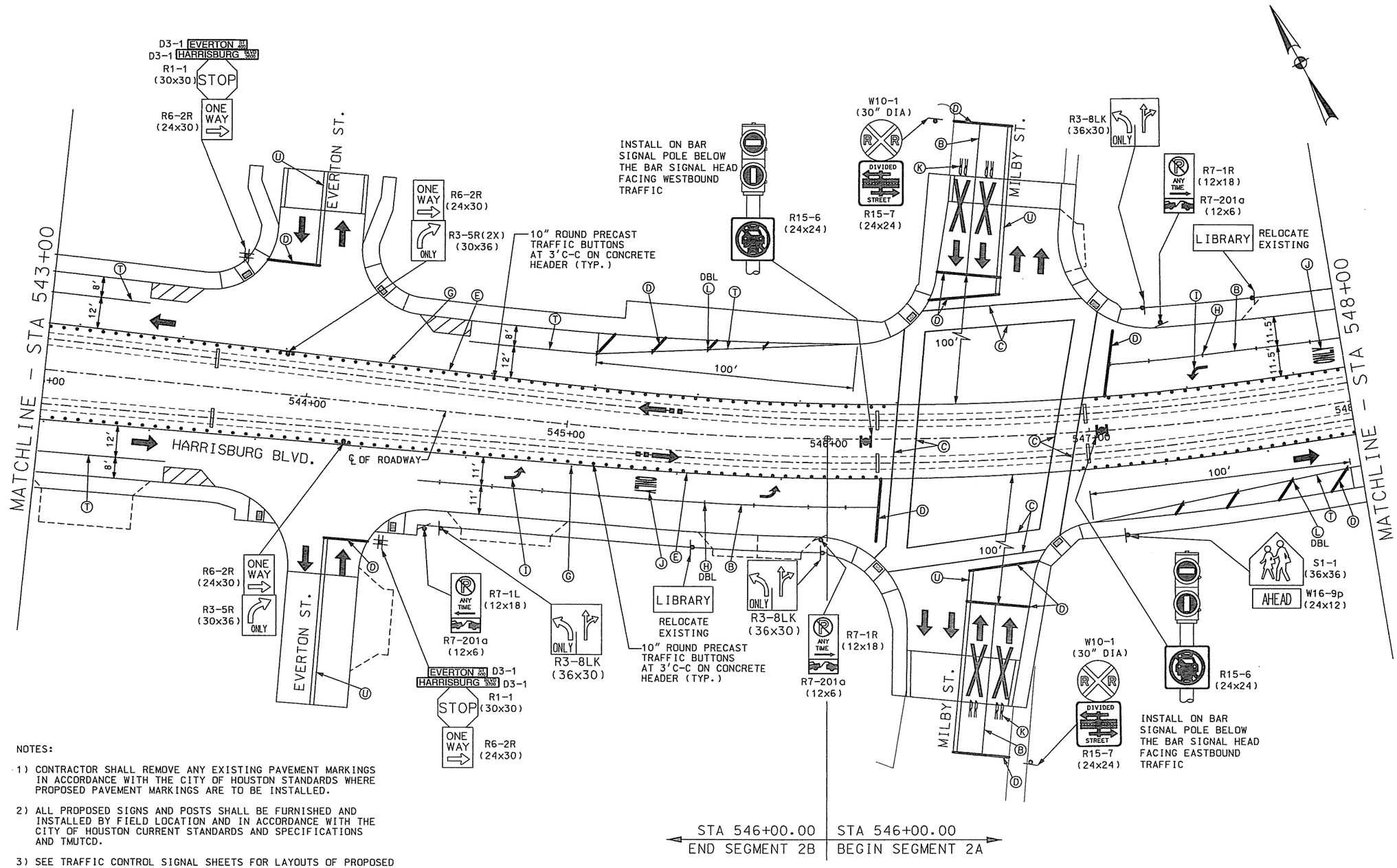

LEGEND

- Ⓐ REFL PAV MARK (4") (WHITE) (BROKEN)
- Ⓑ REFL PAV MARK (8") (WHITE) (SOLID)
- Ⓒ REFL PAV MARK (12") (WHITE) (SOLID)
- Ⓓ REFL PAV MARK (24") (WHITE) (SOLID)
- Ⓔ REFL PAV MARK (4") (YELLOW) (SOLID)
- Ⓕ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40'C-C (TYPE II- C/R)
- Ⓖ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE II-A/A)
- Ⓗ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER.SPACED AT 20'C-C (TYPE II- C/R)
- Ⓘ REFL PAV MARK (ARROW)
- Ⓙ REFL PAV MARK (WORD)
- Ⓚ PAV MARK RR XING
- Ⓛ 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER.SPACED AT 40'C-C (TYPE I-C)
- Ⓜ 4" CAT TRACKS (W)
- Ⓝ 4" CAT TRACKS (Y)
- Ⓟ REFL PAV MARK (24") (YELLOW) (SOLID)
- Ⓡ REFL PAV MARK (4") (YELLOW) (BROKEN)
- Ⓢ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 20' C-C (TYPE II-A/A)
- Ⓣ REFL PAV MARK (4") (WHITE) (SOLID)
- Ⓤ REFL PAV MARK (4") (DBL.YELLOW) (SOLID)
- Ⓦ 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE I-A)
- Ⓥ REFL PAV MARK (12") (YELLOW) (SOLID)
- PROP SMALL GROUND SIGN
- BI-DIRECTIONAL BAR SIGNAL
- LRT FLOW ARROW
- TRAFFIC FLOW ARROW
- NO PARKING STRIPING

NOTES:

1) CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKINGS IN ACCORDANCE WITH THE CITY OF HOUSTON STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.

2) ALL PROPOSED SIGNS AND POSTS SHALL BE FURNISHED AND INSTALLED BY FIELD LOCATION AND IN ACCORDANCE WITH THE CITY OF HOUSTON CURRENT STANDARDS AND SPECIFICATIONS AND TMUTCD.

3) SEE TRAFFIC CONTROL SIGNAL SHEETS FOR LAYOUTS OF PROPOSED TRAFFIC SIGNAL IMPROVEMENTS AND SIGNAL RELATED SIGNS.

4) THE CONTRACTOR SHALL INSTALL THE PARKING SIGNS AT AN ANGLE OF NOT LESS THAN 30 DEGREES NOR MORE THAN 45 DEGREES IN ORDER TO BE VISIBLE TO APPROACHING PARALLEL TRAFFIC.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO:
PUBLIC WORKS AND ENGINEERING ACCEPTED AND FILED 48020 CITY DRAWING NUMBER HOUSTON, TEXAS

RELEASED FOR CONSTRUCTION APR 06 2011

CONTRACT SHEET NO.48 OF 62

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	2/24/11	MODIFIED PERMANENT TRAFFIC CONTROL FOR							
2		CROSSWALK SIGNS & STRIPE.							
3		DELETE CELL PHONE SIGNS IN SCHOOL ZONE.							
4									
5									
6									
7									
8									

CDM Camp Dresser & McKee Inc. consulting • engineering • construction • operations TX. REG. No. F-3043
SCIENTECH ENGINEERS TX. REG. No. F-4014
Kimley-Horn and Associates, Inc. TX. REG. No. F-928
STATE OF TEXAS NADEEM ABBASI 82565 REGISTERED PROFESSIONAL ENGINEER 03/09/11
OMEGA ENGINEERS INC. 16350 Park Ten Place, SUITE 120 Houston, Texas 77084 Tel 281-647-9182 Fax 281-647-9184 TX. REG. No. F-2147
HRT HOUSTON RAPID TRANSIT JV
METRO Solutions Metropolitan Transit Authority of Harris County, Texas

J.M.B.	20 JANUARY 2011	DRN BY DATE
J.T.A.	20 JANUARY 2011	DRN CKD BY DATE
M.I.	20 JANUARY 2011	DES BY DATE
J.T.A.	20 JANUARY 2011	DES CKD BY DATE
E. CASTILLO	20 JANUARY 2011	APPROVED BY DATE

SCALE: 1" = 20'

PERMANENT TRAFFIC CONTROL PACKAGE
EAST END CORRIDOR - SEG 2B,2A,&1B
PERMANENT TRAFFIC CONTROL PLAN
STA 543+00 TO STA 548+00

CONTRACT NO. CT 0800120 | DRAWING NO. WC3-0049 | REV. 0

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3/8/2011
Z:\TEAM EXPRESS\HARRISBURG\RSC\TABLES\CDM_2A _PERM TRAF CONTROL.TBL
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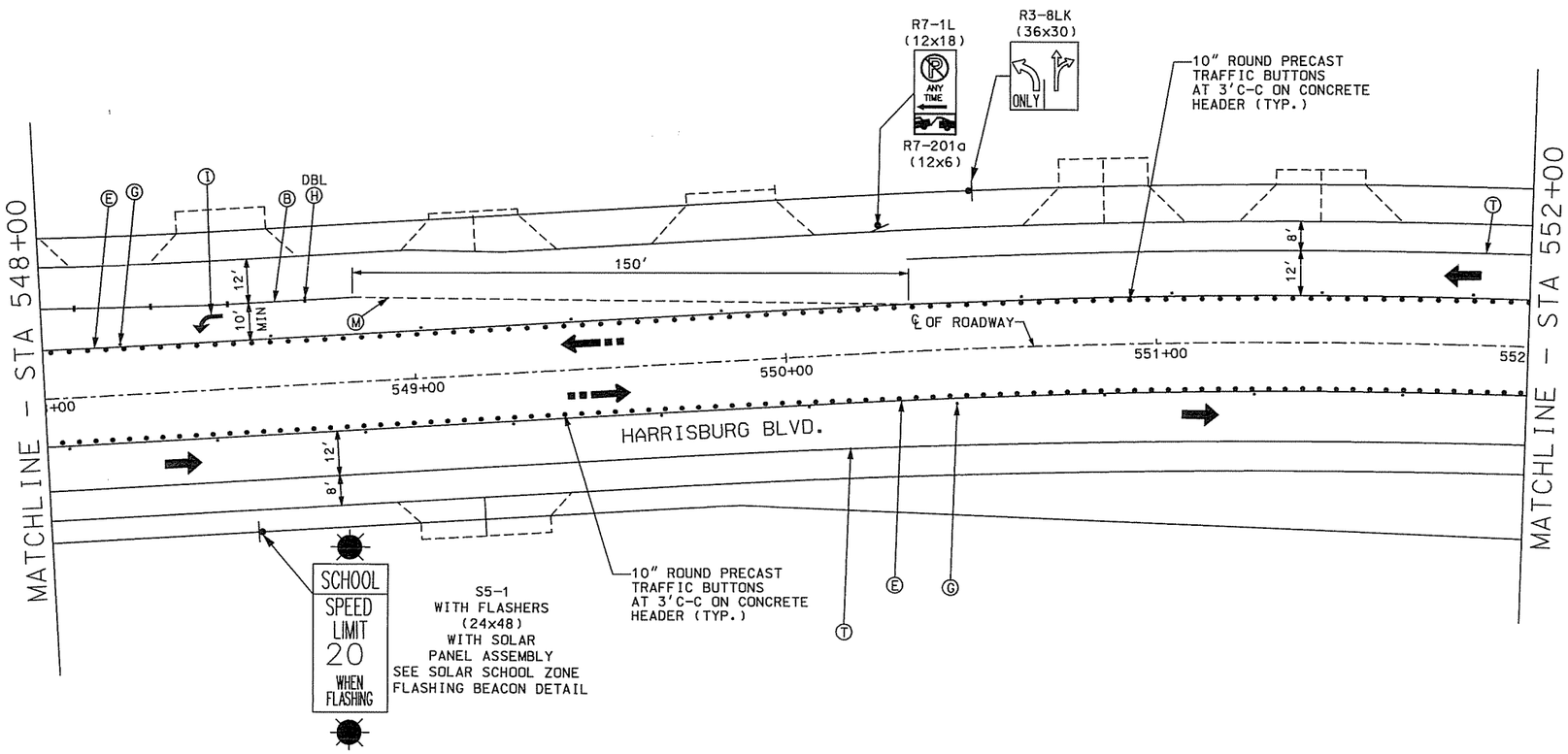
Z:\TEAM EXPRESS\HARRISBURG\DGN\SEG 2A MILBY TO LOCKWOOD\PERMANENT TRAFFIC CONTROL\MSECTC06_2A.DGN

HORIZ. SCALE (IN FEET) 0 10 20 40



LEGEND

- Ⓐ REFL PAV MARK (4") (WHITE) (BROKEN)
- Ⓑ REFL PAV MARK (8") (WHITE) (SOLID)
- Ⓒ REFL PAV MARK (12") (WHITE) (SOLID)
- Ⓓ REFL PAV MARK (24") (WHITE) (SOLID)
- Ⓔ REFL PAV MARK (4") (YELLOW) (SOLID)
- Ⓕ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40'C-C (TYPE II- C/R)
- Ⓖ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE II-A/A)
- Ⓗ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER,SPACED AT 20'C-C (TYPE II- C/R)
- Ⓘ REFL PAV MARK (ARROW)
- Ⓙ REFL PAV MARK (WORD)
- Ⓚ PAV MARK RR XING
- Ⓛ 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER,SPACED AT 40'C-C (TYPE I-C)
- Ⓜ 4" CAT TRACKS (W)
- Ⓝ 4" CAT TRACKS (Y)
- Ⓟ REFL PAV MARK (24") (YELLOW) (SOLID)
- Ⓡ REFL PAV MARK (4") (YELLOW) (BROKEN)
- Ⓢ 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 20' C-C (TYPE II-A/A)
- Ⓣ REFL PAV MARK (4") (WHITE) (SOLID)
- Ⓤ REFL PAV MARK (4") (DBL.YELLOW) (SOLID)
- Ⓦ 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE I-A)
- Ⓥ REFL PAV MARK (12") (YELLOW) (SOLID)
- PROP SMALL GROUND SIGN
- BI-DIRECTIONAL BAR SIGNAL
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- TRAFFIC FLOW ARROW
- NO PARKING STRIPING

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CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CITY OF HOUSTON DWG NO:
PUBLIC WORKS AND ENGINEERING ACCEPTED AND FILED 48019 CITY DRAWING NUMBER HOUSTON, TEXAS

RELEASED FOR CONSTRUCTION APR 06 2011

CONTRACT SHEET NO. 43 OF 57

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP
1	2/24/11	MODIFIED PERMANENT TRAFFIC CONTROL FOR CROSSWALK SIGNS & STRIPE (HAWK BEACON ADDED AT HAGERMAN ST/FELIX ST)							

CDM Camp Dresser & McKee Inc. consulting • engineering • construction • operations TX. REG. No. F-3043
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STATE OF TEXAS NADEEM ABBASI 82565 REGISTERED PROFESSIONAL ENGINEER
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J.M.B.	20 JANUARY 2011
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DES BY	DATE
J.T.A.	20 JANUARY 2011
DES CKD BY	DATE
E. CASTILLO	20 JANUARY 2011
APPROVED BY	DATE

SCALE: 1" = 20'

PERMANENT TRAFFIC CONTROL PACKAGE

EAST END CORRIDOR - SEG. 2A PERMANENT TRAFFIC CONTROL PLAN STA 548+00 TO STA 552+00

CONTRACT NO. CT 0800120 | DRAWING NO. WC3-0012 | REV. 0