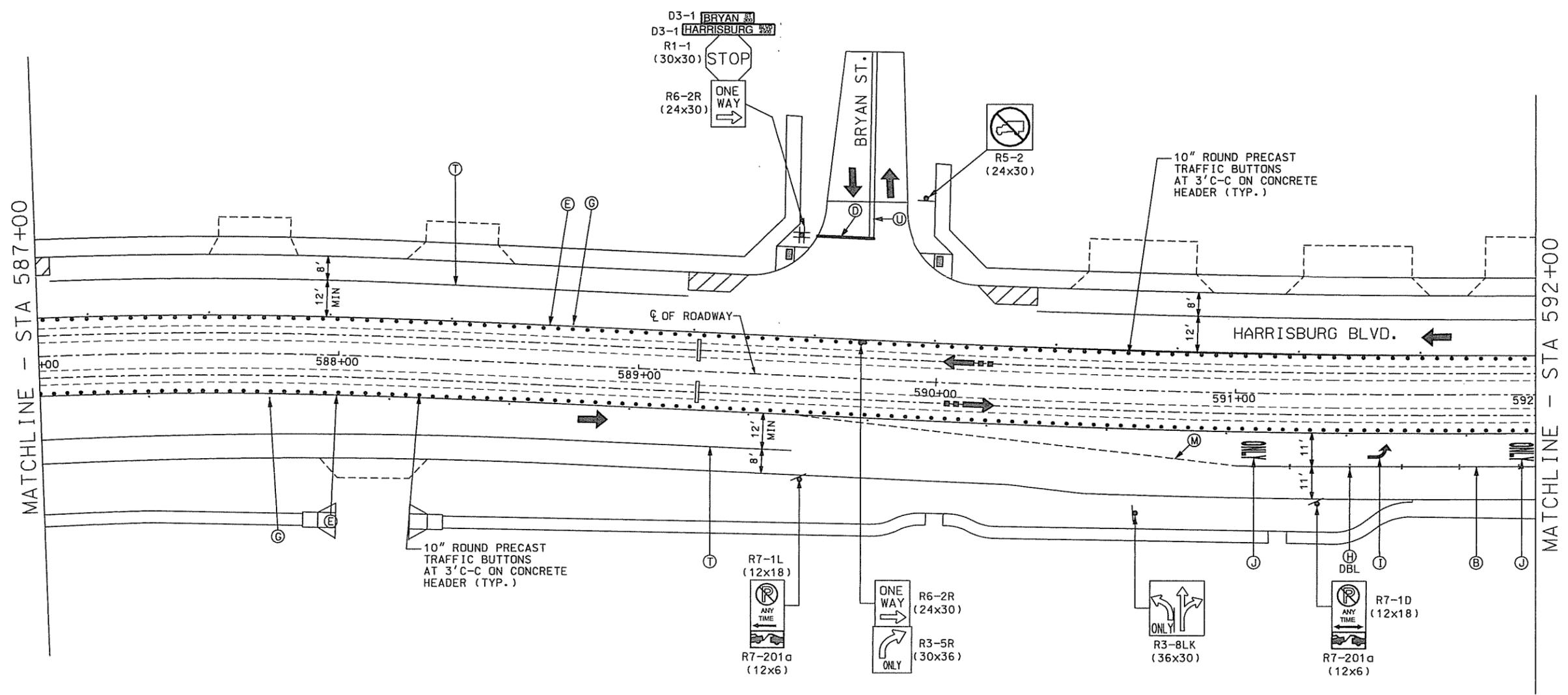


UNTITLED - METRO
 3:23:17 PM
 3/8/2011
 Z:\TEAM EXPRESS\HARRISBURG\RSC\TABLES\CDM_2B_1B_PERM TRAF CONTROL.TBL
 Z:\TEAM EXPRESS\HARRISBURG\RSC\PLOT CONFIGURATION\KCM_HALFSIZE-PDF-FINAL_BATCH.PLT
 Z:\TEAM EXPRESS\HARRISBURG\DOGN\SEG 1B_LOCKWOOD TO ALLTIC\PERMANENT TRAFFIC CONTROL\MSECTC15_1B.DGN

HORIZ. SCALE (IN FEET)
 0 10 20 40



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

- NOTES:**
- CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKINGS IN ACCORDANCE WITH THE CITY OF HOUSTON STANDARDS WHERE PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED.
 - 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.
 - SEE TRAFFIC CONTROL SIGNAL SHEETS FOR LAYOUTS OF PROPOSED TRAFFIC SIGNAL IMPROVEMENTS AND SIGNAL RELATED SIGNS.
 - 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:

 CONTRACT SHEET NO. 51 OF 62

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

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
 PROFESSIONAL ENGINEER
 Nader Alkhatib
 03/09/11

OMEGA ENGINEERS INC.
 16350 Park Ten Place, SUITE 120
 Houston, Texas 77084
 Tel 281-647-9162
 Fax 281-647-9184
 TX. REG. No. F-2147

HRT
 HOUSTON RAPID TRANSIT JV

METRO Solutions
 Metropolitan Transit Authority of Harris County, Texas

RELEASED FOR CONSTRUCTION

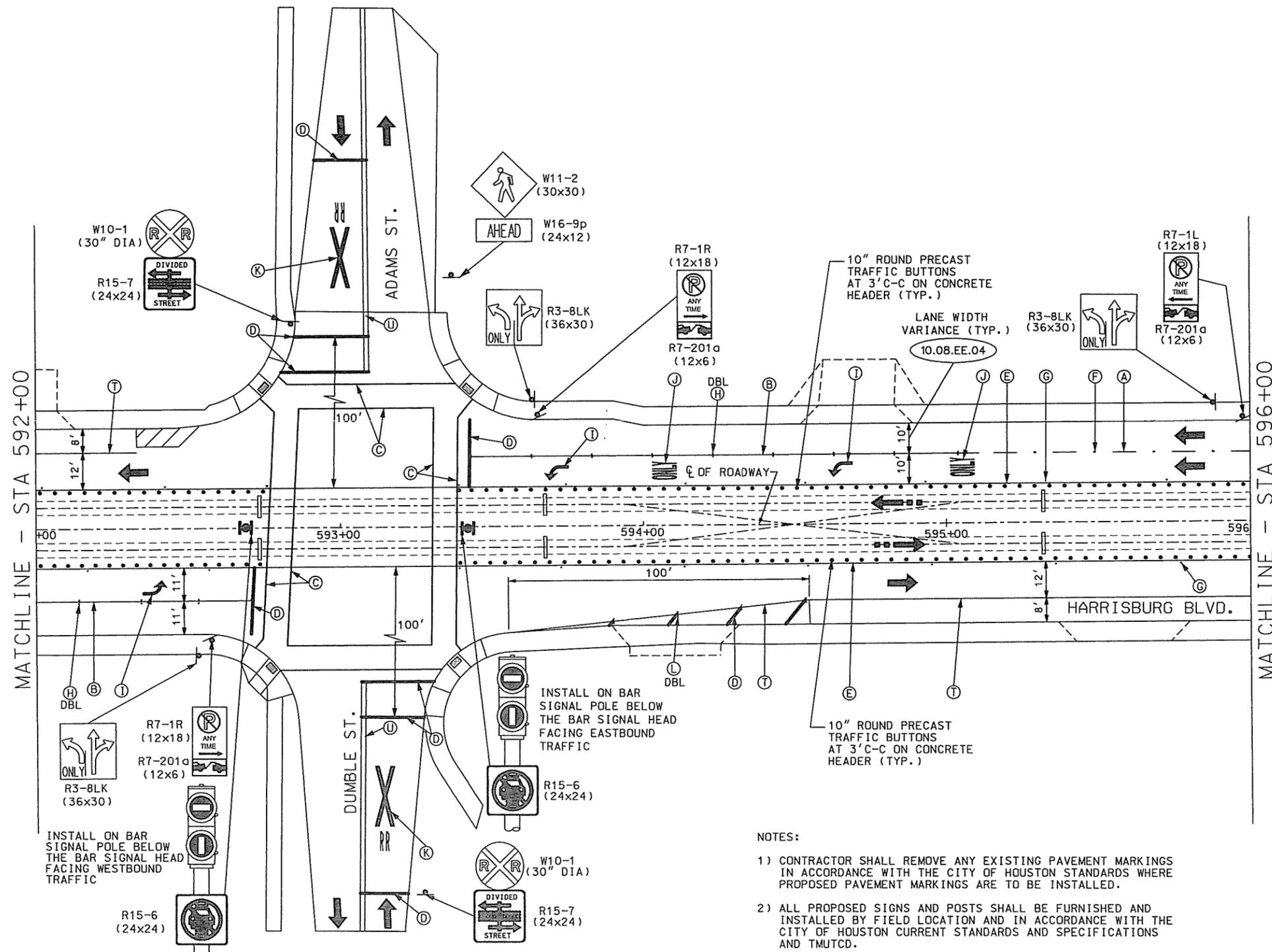
J.M.B.	20 JANUARY 2011
DRN BY	DATE
J.T.A.	20 JANUARY 2011
DRN CKD BY	DATE
M.I.	20 JANUARY 2011
DES BY	DATE
J.T.A.	20 JANUARY 2011
DES CKD BY	DATE
E. CASTILLO	20 JANUARY 2011
APPROVED BY	DATE

SCALE: 1" = 20'

APR 06 2011

PERMANENT TRAFFIC CONTROL PACKAGE
 EAST END CORRIDOR - SEG 2B, 2A, & 1B
 PERMANENT TRAFFIC CONTROL PLAN
 STA 587+00 TO STA 592+00

CONTRACT NO. CT 0800120
 DRAWING NO. WC3-0021
 REV. 0



- LEGEND**
- (A) REFL PAV MARK (4") (WHITE) (BROKEN)
 - (B) REFL PAV MARK (8") (WHITE) (SOLID)
 - (C) REFL PAV MARK (12") (WHITE) (SOLID)
 - (D) REFL PAV MARK (24") (WHITE) (SOLID)
 - (E) REFL PAV MARK (4") (YELLOW) (SOLID)
 - (F) 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE II- C/R)
 - (G) 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE II-A/A)
 - (H) 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 20' C-C (TYPE II- C/R)
 - (I) REFL PAV MARK (ARROW)
 - (J) REFL PAV MARK (WORD)
 - (K) PAV MARK RR XING
 - (L) 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE I-C)
 - (M) 4" CAT TRACKS (W)
 - (N) 4" CAT TRACKS (Y)
 - (P) REFL PAV MARK (24") (YELLOW) (SOLID)
 - (R) REFL PAV MARK (4") (YELLOW) (BROKEN)
 - (S) 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 20' C-C (TYPE II-A/A)
 - (T) REFL PAV MARK (4") (WHITE) (SOLID)
 - (U) REFL PAV MARK (4") (DBL. YELLOW) (SOLID)
 - (W) 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE I-A)
 - (V) 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:

ACCEPTED AND FILED
48020
CITY DRAWING NUMBER
HOUSTON TEXAS

CONTRACT SHEET NO. 52 OF 62

REV	DATE	DESCRIPTION	ADD	AMD	CCR	BY	ENG	CHK	APP

CDM
Camp Dresser & McKee Inc.
consulting • engineering • construction • operations
TX. REG. No. F-0043

SCIENTECH
ENGINEERS TX. REG. No. F-4014

Kimley-Horn and Associates, Inc.
TX. REG. No. F-928

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
Wade Alwani
03/09/11

OMEGA ENGINEERS INC.
16350 Park Ten Place, SUITE 120
Houston, Texas 77064
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

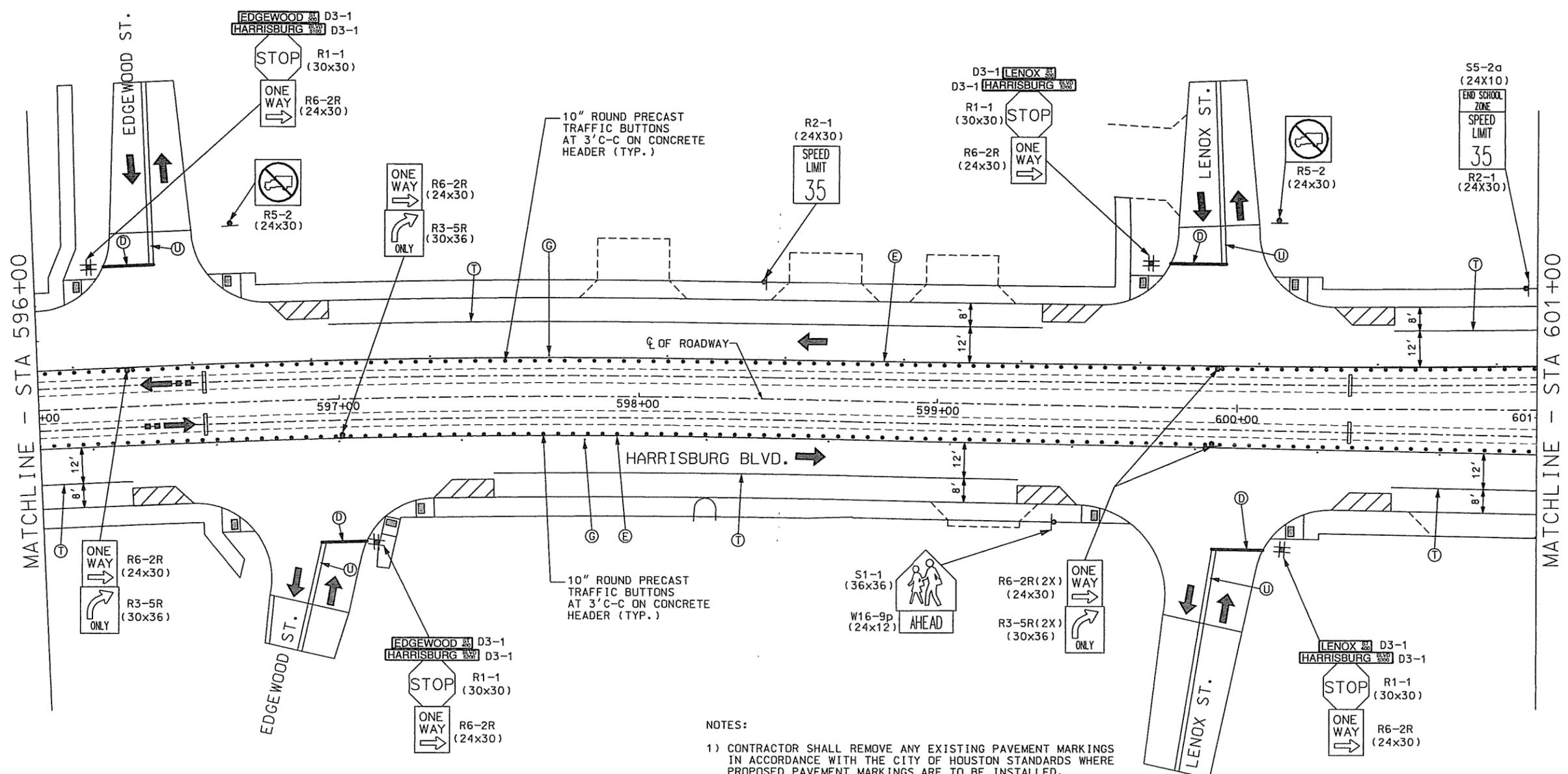
J.M.B.	20 JANUARY 2011
DRN BY	DATE
J.T.A.	20 JANUARY 2011
DRN CKD BY	DATE
M.I.	20 JANUARY 2011
DES BY	DATE
J.T.A.	20 JANUARY 2011
DES CKD BY	DATE
E. CASTILLO	20 JANUARY 2011
APPROVED BY	DATE

RELEASED FOR CONSTRUCTION APR 06 2011

PERMANENT TRAFFIC CONTROL PACKAGE
EAST END CORRIDOR - SEG 2B, 2A, & 1B
PERMANENT TRAFFIC CONTROL PLAN
STA 592+00 TO STA 596+00

SCALE: 1" = 20'

CONTRACT NO. CT 0800120 DRAWING NO. WC3-0022 REV. 0



LEGEND

- (A) REFL PAV MARK (4") (WHITE) (BROKEN)
- (B) REFL PAV MARK (8") (WHITE) (SOLID)
- (C) REFL PAV MARK (12") (WHITE) (SOLID)
- (D) REFL PAV MARK (24") (WHITE) (SOLID)
- (E) REFL PAV MARK (4") (YELLOW) (SOLID)
- (F) 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE II-C/R)
- (G) 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE II-A/A)
- (H) 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 20' C-C (TYPE II-C/R)
- (I) REFL PAV MARK (ARROW)
- (J) REFL PAV MARK (WORD)
- (K) PAV MARK RR XING
- (L) 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE I-C)
- (M) 4" CAT TRACKS (W)
- (N) 4" CAT TRACKS (Y)
- (P) REFL PAV MARK (24") (YELLOW) (SOLID)
- (R) REFL PAV MARK (4") (YELLOW) (BROKEN)
- (S) 4" SQUARE 2-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 20' C-C (TYPE II-A/A)
- (T) REFL PAV MARK (4") (WHITE) (SOLID)
- (U) REFL PAV MARK (4") (DBL. YELLOW) (SOLID)
- (W) 4" SQUARE 1-WAY REFLECTORIZED RAISED PAVEMENT MARKER, SPACED AT 40' C-C (TYPE I-A)
- (V) 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 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:

CONTRACT SHEET NO. 53 OF 62

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

CDM
ENGINEERS
Camp Dresser & McKee Inc.
consulting • engineering • construction • operations
TX. REG. No. F-3043

Kimley-Horn and Associates, Inc.
TX. REG. No. F-928

OMEGA ENGINEERS INC.
16350 Park Ten Place, SUITE 120
Houston, Texas 77064
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

RELEASED FOR CONSTRUCTION APR 06 2011

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 596+00 TO STA 601+00

CONTRACT NO. CT 0800120
DRAWING NO. WC3-0023
REV. 0