APPENDIX E – ENGINEERING DRAWINGS
LOCALLY PREFERRED ALIGNMENT
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.

LEGEND
- SIGNALIZED INTERSECTIONS
- GATED CROSSINGS
- COMMUNICATIONS INTERFACE HOUSE
- BASLINE
- TRACTION POWER SUBSTATION
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- CONSTRUCTION STAGING
- METRO LIGHT RAIL TRAVEL LUE UNDER STRUCTURE
- EDGE OF PAVEMENT

SEE SHEET 55 FOR PARKING LOT LAYOUT
See Sheet 55 for Parking Lot Layout

NOTES:
1. Unless noted, alignment is at grade.
2. Right-of-way impacts shown are preliminary and are subject to change as the project proceeds.

LEGEND
- Signalized Intersections
- Traction Power Substation
- Existing Right-of-Way
- Proposed Right-of-Way
- Communications Interface House
- Baseline
- Edge of Pavement
- Parking Spaces
- Metro Light Rail Travel Under Structure
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.

LEGEND
- SIGNALIZED INTERSECTIONS
- GATED CROSSINGS
- COMMUNICATIONS INTERFACE HOUSE
- BASELINE
- TPSS TRACTION POWER SUBSTATION
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- CONSTRUCTION STAGING
- METRO LIGHT RAIL
- TRAVEL UNDER STRUCTURE
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.

LEGEND
- SIGNALIZED INTERSECTIONS
- GATED CROSSINGS
- COMMUNICATIONS INTERFACE HOUSE
- BASELINE

TPSS
TRACTION POWER SUBSTATION

EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
CONSTRUCTION STAGING
METRO LIGHT RAIL
TRAFFIC UNDER STRUCTURE
NOTES:
1. UTILITY NOTTO, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROGRESS.
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROGRESSES.
NOTES:
1. UNLESS NOTED, ALIGNMENT IS AT GRADE.
2. RIGHT-OF-WAY IMPACTS SHOWN ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE PROJECT PROCEEDS.
DETENTION POND LAYOUT
STRUCTURE PROFILES
WESTPARK

BEGIN RETAINING WALL 2
WALL 2 STA 291+15-77 24.49 FEET
EXIST ROW

288-00
290-00
288-00
294-00
295-00

EDGE OF GUIDeway

C B TRACK

EXIST ROW

RETAINING WALL 2

PLANTER WALL

 tandem vertical

RETAINING WALL 3

PLANET WALL

RE TAINING WALL 5

LEVELING PAD

UNDERPLAIN IN PIPE

TYPICAL SECTION

FACE OF RAIL

TOP OF WALL PIO & HORIZONTAL CONTROL LINE

COPING

FACE OF MSE WALL

PLANTER WALL

NOTES:
SHOWING BACK FACE OF RETAINING WALL.

PLAN

TCB

METRO SOLUTIONS

Transit/Northwest Authority of Harris County, Inc.

CONTRACT SHEET No. 3 OF 8
UNIVERSITY CORRIDOR FEIS
US 59 BRIDGE
RETAINING WALL 2
PLAN

SIZE

DESCRIPTION

DRAWN

CHECKED

PRINTED

PRINTED

EDITED

EDITED

WRITTEN

WRITTEN

 Authorization Signed

 Date

 Contract No.

 1214x783
INTERSECTION LAYOUTS
NOTE:
ALL SIGNS AND PAVEMENT MARKINGS TO BE IN ACCORDANCE
WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
AND CITY OF HOUSTON STANDARDS
NOTE:
ALL SIGNS AND PAVEMENT MARKINGS TO BE IN ACCORDANCE
WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
AND CITY OF HOUSTON STANDARDS
NOTE:
ALL SIGNS AND PAVEMENT MARKINGS TO BE IN ACCORDANCE
WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
AND CITY OF HOUSTON STANDARDS
NOTE:
ALL SIGNS AND PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND CITY OF HOUSTON STANDARDS.
NOTE:
ALL SIGNS AND PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND CITY OF HOUSTON STANDARDS
TYPICAL SECTIONS
PROPOSED TYPICAL SECTION AT WESLAYAN STATION
PROPOSED TYPICAL SECTION AT CUMMINS STATION
PROPOSED TYPICAL SECTION AT KIRBY STATION
PROPOSED TYPICAL SECTION SPUR 527 BRIDGE

RICHMOND
STA 475+97
PROPOSED TYPICAL SECTION AT US - 59 BRIDGE

WHEELER
STA 494+04

EXIST 4' DIA. BRIDGE COLUMN
EXIST 6' DIA. BRIDGE COLUMN
EXIST BRIDGE LOW CHORD
4'-0"
SIDE WALK
4'-0"
SIDE WALK
2'-6"
7'
6'
7'
6'
12'

SCALE 1" = 100'
PROPOSED TYPICAL SECTION A-A & B-B
AT SH 288 AND WHEELER INTERSECTION
STA 518+73.07 TO STA 519+44.51 (SOUTH BOUND SH 288 BRIDGE)
STA 520+66.86 TO STA 521+56.33 (NORTH BOUND SH 288 BRIDGE)
PROPOSED TYPICAL SECTION AT TIERWESTER WEST STATION
PROPOSED TYPICAL SECTION AT ALABAMA