



Northwest Corridor LRT Line to Irving/DFW Airport *Final Environmental Impact Statement*

July 2008



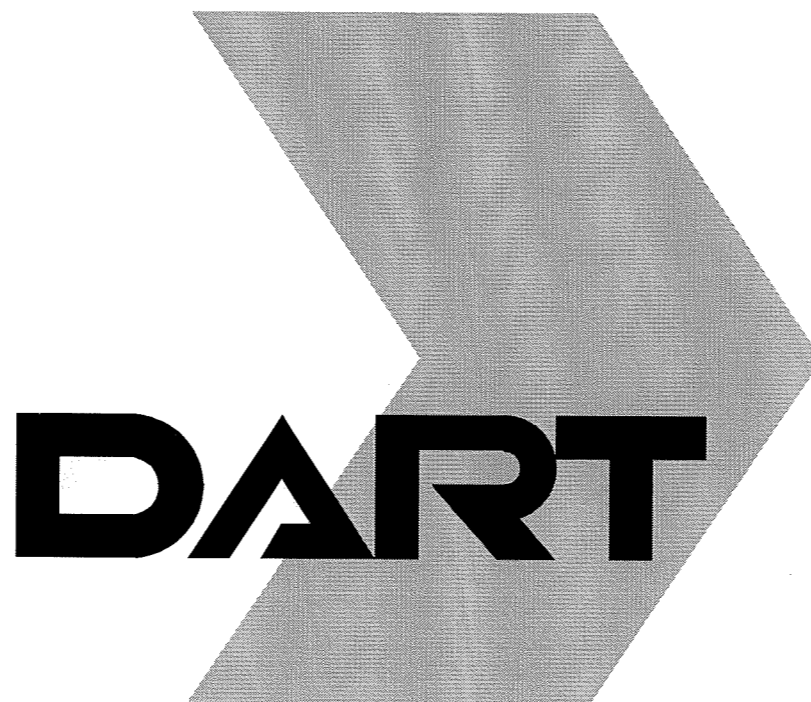
Appendix C Plan and Profile Drawings



IRVING / DFW CORRIDOR DENTON DRIVE TO BELT LINE ROAD LINE SECTIONS I - 1 & I - 2

UPDATED MAY 01, 2008

FINAL ENVIRONMENTAL IMPACT STATEMENT APPENDIX C
PRELIMINARY ENGINEERING - 10% DESIGN



PRELIMINARY
FOR INTERIM REVIEW ONLY
By R. THOMPSON P.E.# 95919
Date 01 MAY 08
CHIANG, PATEL & YERBY, INC.
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CONTRACT SHEET No. **2** OF

LIGHT RAIL TRANSIT SYSTEM
 IRVING/DFW CORRIDOR

INDEX OF DRAWINGS

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IN CHARGE	J. TIPTON
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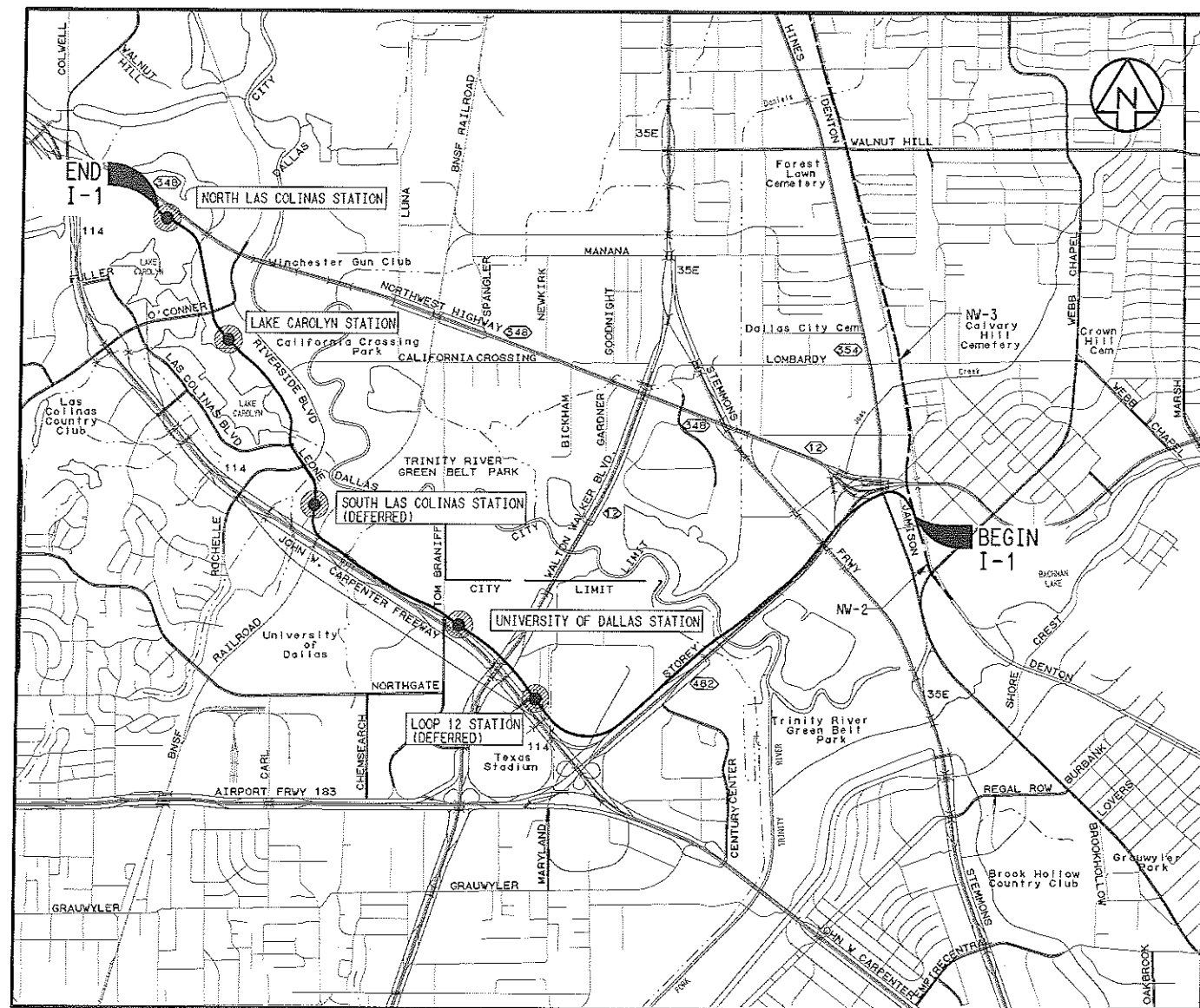
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C-93775-1	GC1-0002	C

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VICINITY MAP
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IRVING / DFW CORRIDOR DENTON DRIVE TO NORTHWEST HIGHWAY LINE SECTION I - 1

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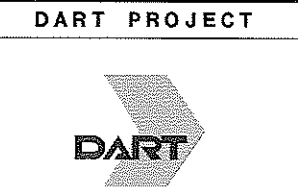
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LIGHT RAIL TRANSIT SYSTEM LINE SECTION I-1	
TITLE SHEET	
CONTRACT C-93775-1	DWG No. GC1-6002
REV	

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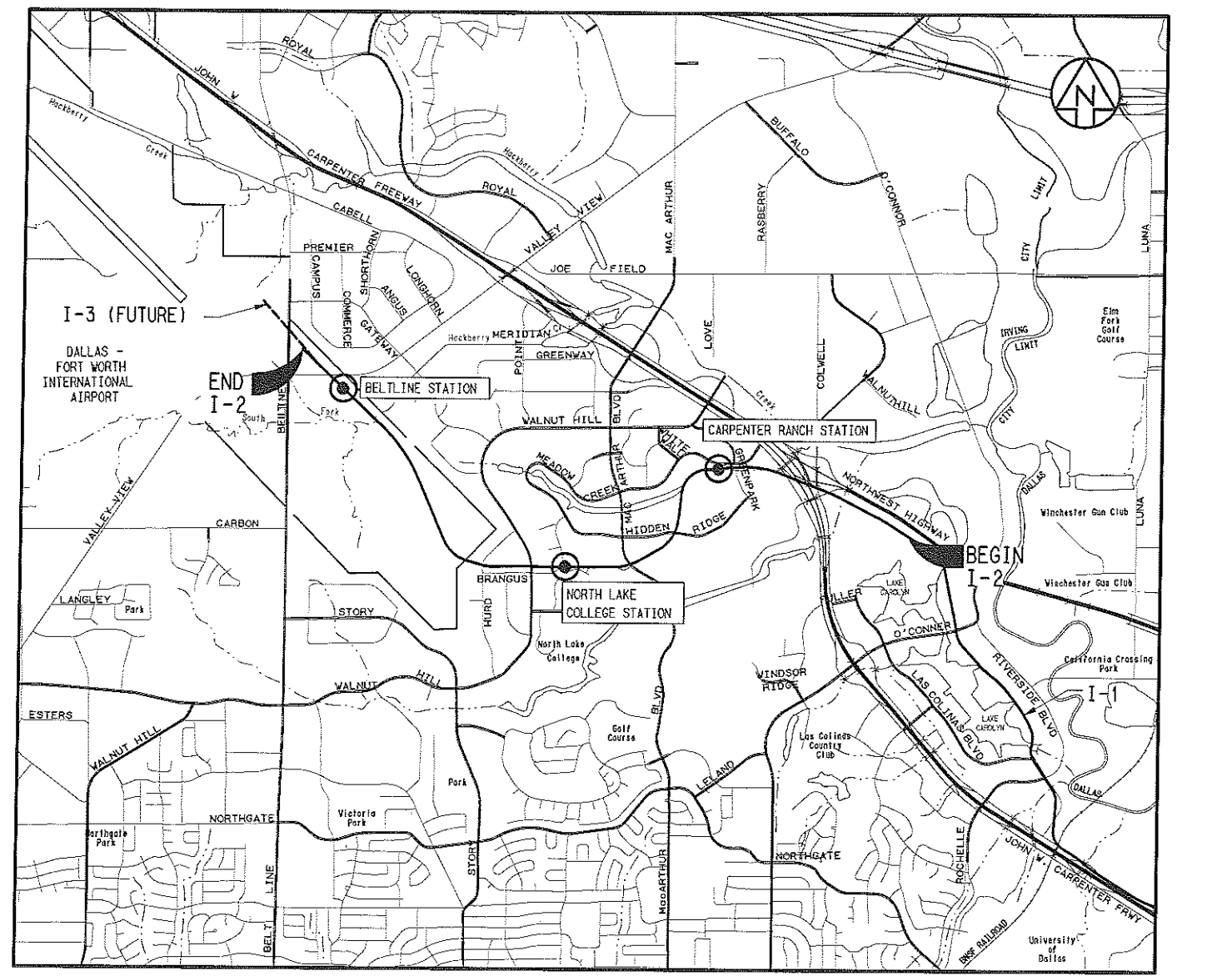
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VICINITY MAP
NO SCALE

IRVING / DFW CORRIDOR NORTHWEST HIGHWAY TO BELTLINE ROAD LINE SECTION I - 2

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CONTRACT SHEET No. **4** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

TITLE SHEET

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IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT C-93775-1	DWG No. 6C1-7002
REV	

1000-£39 ON 9AD

SYMBOLS

- | | | | | | | | |
|--|--|--|---|--|--|--|---------------------------------------|
| | PROFILE GRADE LINE / ELEVATION CONTROL POINT | | TRAFFIC POLE | | AERIAL UTILITY | | LEFT HAND TURNOUT |
| | DIRECTION OF FLOW | | UTILITY POLE | | UTILITY FACILITY LESS THAN 24"
IN PLAN VIEW | | RIGHT HAND TURNOUT |
| | C OR B CENTERLINE OR BASELINE | | SANITARY (DIRECTION OF FLOW), PLUG | | MAJOR UTILITY FACILITY 24" OR LARGER
IN PLAN VIEW | | DERAIL SWITCH |
| | FUTURE OR NOT IN CONTRACT | | GRID OF THE STATE PLANE COORDINATE SYSTEM | | FACILITY TO BE ABANDONED | | PI/PVI/PITO |
| | CENTERLINE | | BILLBOARD | | DOUBLE CROSSOVER | | NON-INSULATED JOINT |
| | BASELINE | | TOTAL CENTRAL ANGLE OF SPIRAL AND CIRCULAR CURVES | | POINT OF SWITCH | | SWITCH NUMBERING "F" INDICATES FUTURE |
| | PROPERTY LINE | | SUFFIX (1) AT THE SYMBOL DENOTES DATA FOR THE FIRST CIRCULAR CURVE OF A COMPOUND CURVE | | EXISTING DITCH | | 136#/115# TRANSITION RAIL |
| | DIMENSION LINE CONTINUES | | SUFFIX (2) AT THE SYMBOL DENOTES DATA FOR THE SECOND CIRCULAR CURVE OF A COMPOUND CURVE | | PROPOSED DITCH | | CURVE NUMBER |
| | MATCH LINE | | CENTRAL ANGLE OF SPIRAL OR SPIRAL ANGLE | | PROPOSED SPECIAL DITCH | | BLUE FLAG |
| | CONTOUR LINE | | CENTRAL ANGLE OF COMPOUND SPIRAL OR COMPOUND ANGLE (CS1 TO CS2) | | STORM DRAIN | | BUMPING POST |
| | TRACK (TRANSIT) CENTER LINE | | TOTAL CENTRAL ANGLE OF COMPOUND SPIRAL OR TOTAL COMPOUND SPIRAL ANGLE (FROM SPO TO SC2) | | UNDERDRAIN | | EQUILATERAL TURNOUT |
| | EXISTING FENCE LINE | | SANITARY OR STORM SEWER MANHOLE | | SANITARY SEWER | | GABION BLANKET |
| | PROPOSED FENCE LINE | | ELECTRICAL, TELEPHONE, OR WESTERN UNION MANHOLE | | WATER LINE | | |
| | STRUCTURE OUTLINE | | REDUCER | | GAS LINE | | |
| | RAILROAD TRACKS | | WATER METER | | TRAFFIC SIGNALIZATION LINE | | |
| | CLEANOUT | | WATER VALVE | | ELECTRIC POWER LINE | | |
| | MANHOLE | | FIRE HYDRANT | | ELECTRIC LINE, STREET LIGHTING | | |
| | SIDEWALK AND MISC. LINES | | CAP OR PLUG | | TELEPHONE LINE | | |
| | DROP INLET, CATCH BASIN OR DRAIN - TO SCALE | | GAS VALVE | | TELEGRAPH LINE | | |
| | CULVERT HEADWALLS - TO SCALE | | GAS METER | | CABLEVISION LINE | | |
| | SPOT ELEVATION | | PULL BOX OR SPLICING CHAMBER | | PROPOSED CASING | | |
| | CURB LINE | | LIGHT POLE | | PROPOSED STREET CLOSING | | |
| | EXISTING BARRIER/RETAINING WALL | | FIRE SERVICE STAND PIPE | | PROPOSED STREET CONSTRUCTION | | |
| | PROPOSED RETAINING WALL | | TRAFFIC SIGN | | EXISTING STREET/RAILROAD RIGHT-OF-WAY LINE | | |
| | PROPOSED BALLAST WALL | | POLE GUY AND ANCHOR | | EXISTING PROPERTY LINE | | |
| | NOISE IMPACT AREA | | TRANSMISSION LINE TOWER | | DART PROPOSED RIGHT-OF-WAY LINE | | |
| | GUARD RAIL | | TRAFFIC CONTROL GATE | | EXISTING EASEMENT LINE | | |
| | HAND RAIL | | TEST BORING LOCATION | | DART PROPOSED EASEMENT LINE | | |
| | UNPAVED ROADS | | OVERHEAD LINES | | EXIST INTERSECTION OF PROPERTY LINES | | |
| | CONCRETE GUARD FENCE | | OVERHEAD ELECTRIC LINES | | INTERSECTION OF PROPOSED DART RIGHT-OF-WAY LINES | | |
| | VEGETATION LINE | | UNDERGROUND TELEPHONE LINE | | PROPOSED DART RIGHT-OF-WAY MONUMENT | | |
| | TREE | | UNDERGROUND ELECTRIC LINE | | | | |
| | SHRUB | | | | | | |
| | POLE | | | | | | |

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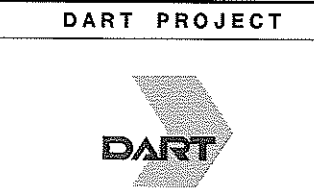
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CONTRACT SHEET No. 5 OF

LIGHT RAIL TRANSIT SYSTEM IRVING/DFW CORRIDOR		
SYMBOLS		
CONTRACT C-93775-1	DWG No. GC3-0001	REV

ABBREVIATIONS

Table of abbreviations and their meanings, including AASHTO, ABUT, AC, ACP, ADA, A/G, AHD, ALT, APT, ASPH, AVE, B/B, B/C, BCCP, BD, BH, BK, BLDG, BLVD, BNSF, B.M., BOT, BRG, CB, C, CC, CF, CFS, CG, C&G, CI, CIP, CL, C/L, CMP, CO, COD, COI, COL, COMM, CONC, CONST, CS, CTR, CULV, CWR, CY, DART, DEL, D,DEG, D/FW, DI, DIA, DIP, DIST, DR, DWG, DWU, E, Ea, EBFR, EBML, EL, ENCSMT, ESMT, Es, Eu, EX OR, EXIST., FF, FH, FIG., FL, FLG, F TO F, FT, FW, G, GA, GI, GM, GP, GV, H.C., HMAC, HR, HORZ, HWY, I, ICLRT, IN., INV, ISF, K, KV, L, LC, LF, LH, LN, LRT, Ls, LSG, LT, LVC, MKT, MAX, MH, MIN, ML, MSE, N, NB, NBFR, NBML, NG, NCTCOG, NIC, No., NTS, OC, OCEW, OH, OHE, ORD, PC, PCC, PEJ, PERM, PF, PG, PGL, PI, PITO, PL, POB, POC, POE, POLY, POS, POT, PS, PREM, PROP, PROT, PT, PVC, PVI, PVMT, PVRC, PVT, Q, R, RCB, RCCP, RCP, RD., REFL, RH, ROW, RR, RI, RSC, RT, S, SB, SBFR, SBML, SC, SD, SEJ, S & I, SH, SHT, SIG, SMH, SP, SS, ST, STA, STD, STM, SURF, SWR, T, T(UG), TBM, TBR, TC, TEMP, TG, TGMH, TMH, TO., TOD, TPSS, T/R, TRA, TS, TXU, TXDOT, TY, TYP, UD, UP, USC&GS.

GENERAL NOTES:

- 1. THE CONSTRUCTION OF THE LIGHT RAIL GUIDEWAY SHALL CONFORM WITH DART STANDARD DRAWINGS AND STANDARD SPECIFICATIONS.
2. WORK INVOLVING DRAINAGE FACILITIES, AND STREET RECONSTRUCTION OR IMPROVEMENTS WITHIN THE CITY OF DALLAS PUBLIC RIGHTS-OF-WAY SHALL CONFORM WITH THE STANDARD SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS OF THE CITY OF DALLAS, THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE CITY OF DALLAS SPECIAL PROVISIONS TO THE NCTCOG SPECIFICATIONS.
3. WORK INVOLVING WATER AND WASTEWATER (SANITARY SEWER) FACILITIES WITHIN THE CITY OF DALLAS PUBLIC RIGHTS-OF-WAY AND EASEMENTS SHALL CONFORM WITH THE CITY OF DALLAS WATER UTILITIES (DWU) DRAWINGS, DETAILS AND STANDARDS APPURTENANCES FOR WATER AND WASTEWATER PIPE CONSTRUCTION METHODS, NCTCOG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE DWU ADDENDUM TO THE NCTCOG SPECIFICATIONS.
4. WORK INVOLVING DRAINAGE FACILITIES, AND STREET RECONSTRUCTION OR IMPROVEMENTS WITHIN THE CITY OF IRVING PUBLIC RIGHTS-OF-WAY SHALL BE DONE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS OF THE CITY OF IRVING, THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE CITY OF IRVING SPECIAL PROVISIONS TO THE NCTCOG SPECIFICATIONS.
5. WORK INVOLVING WATER AND WASTEWATER (SANITARY SEWER) FACILITIES WITHIN THE CITY OF IRVING PUBLIC RIGHTS-OF-WAY AND EASEMENTS SHALL BE DONE IN CONFORMANCE WITH THE CITY OF IRVING WATER UTILITIES DRAWINGS, DETAILS AND STANDARDS APPURTENANCES FOR WATER AND WASTEWATER PIPE CONSTRUCTION METHODS, NCTCOG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE CITY OF IRVING ADDENDUM TO THE NCTCOG SPECIFICATIONS.
6. WORK INVOLVING OTHER UTILITIES (ELECTRIC POWER, GAS, TELEPHONE & CABLE TELEVISION), SHALL CONFORM WITH THE REQUIREMENTS OF THE OWNING/OPERATING UTILITY COMPANY.
7. THE AERIAL MAPPING IN PLAN VIEWS AND EXISTING GROUND LINES ON PROFILES AND ON CROSS SECTIONS WERE TAKEN FROM MAPPING PREPARED IN 2000/2001 BY AERIAL DATA SERVICE, AND PROVIDED BY DART/SEC.
8. THE RIGHT TRACK IS DETERMINED BY LOOKING IN THE DIRECTION OF INCREASING TRACK STATIONING. THIS TRACK IS REFERENCED AS THE (NB) NORTHBOUND TRACK AND IS ALSO THE STATIONING CONTROL TRACK.
9. THE BASIS OF DRAINAGE DESIGN FOR THE CITY OF DALLAS WAS THE CITY OF DALLAS DRAINAGE MANUAL USING A 100-YEAR STORM RECURRENCE INTERVAL.
10. THE BASIS OF DRAINAGE DESIGN FOR THE CITY OF IRVING WAS THE CITY OF IRVING DRAINAGE MANUAL USING A 100-YEAR STORM RECURRENCE INTERVAL.
11. ALL UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE VERIFIED.
12. DRAINAGE DITCHES HAVE BEEN SHOWN ON THE CROSS SECTIONS AS TYPICAL ONLY AND WILL NEED TO BE DESIGNED FOR HYDRAULIC CAPACITY.
13. THE PROPOSED ROW/EASEMENTS SHOW THE APPROXIMATE REQUIREMENTS NEEDED TO CONSTRUCT THE LRT SYSTEM. FINAL SECTION DESIGNER SHALL VERIFY ROW NEEDS DURING FINAL DESIGN.
14. FINAL SECTION DESIGNER SHALL DESIGN THE GUIDEWAY IN ACCORDANCE WITH NFPA-130 STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEMS AND THE APPLICABLE FIRE AND BUILDING CODES OF THE LOCAL JURISDICTION.

ABBREVIATIONS (CONT'D)

Table of additional abbreviations: USGS (UNITED STATES GEOLOGICAL SURVEY), UTIL (UTILITY), V (VELOCITY), VAR (VARIES), VERT (VERTICAL), VCP (VITRIFIED CLAY PIPE), W (WEST, WATER), W/ (WITH), WBFR (WESTBOUND FRONTAGE ROAD), WBML (WESTBOUND MAINLANE), WL (WATER LINE), WM (WATER METER), WV (WATER VALVE), WW (WASTEWATER), WWF (WELDED WIRE FABRIC).

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CONTRACT SHEET No. 6 OF

LIGHT RAIL TRANSIT SYSTEM IRVING/DFW CORRIDOR

GENERAL NOTES AND ABBREVIATIONS

DART PROJECT



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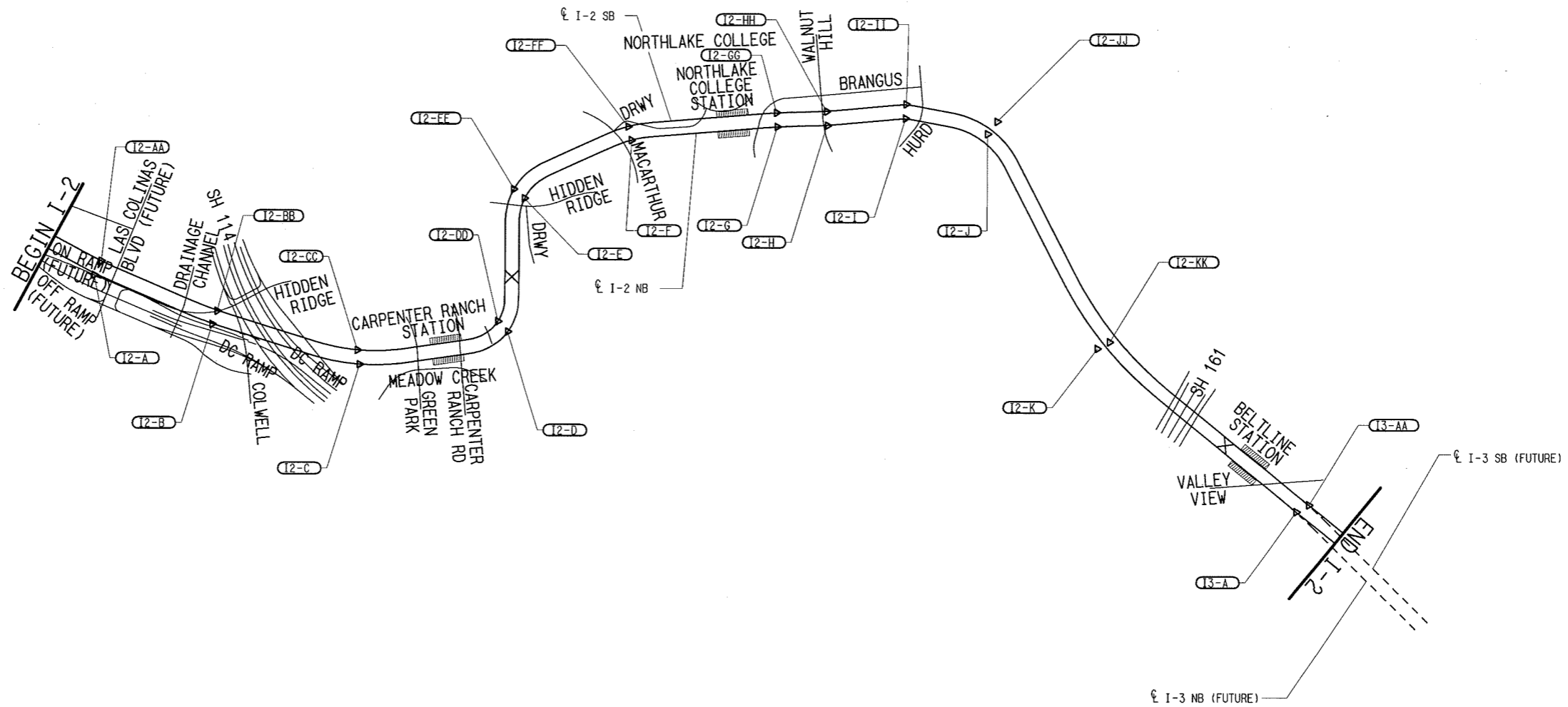
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LINE SECTION I-2 HORIZONTAL ALIGNMENT SCHEMATIC

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CONTRACT SHEET No. **8** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
HORIZONTAL ALIGNMENT
SCHEMATIC

CONTRACT C-93775-1 DWG No. CC5-7001 REV

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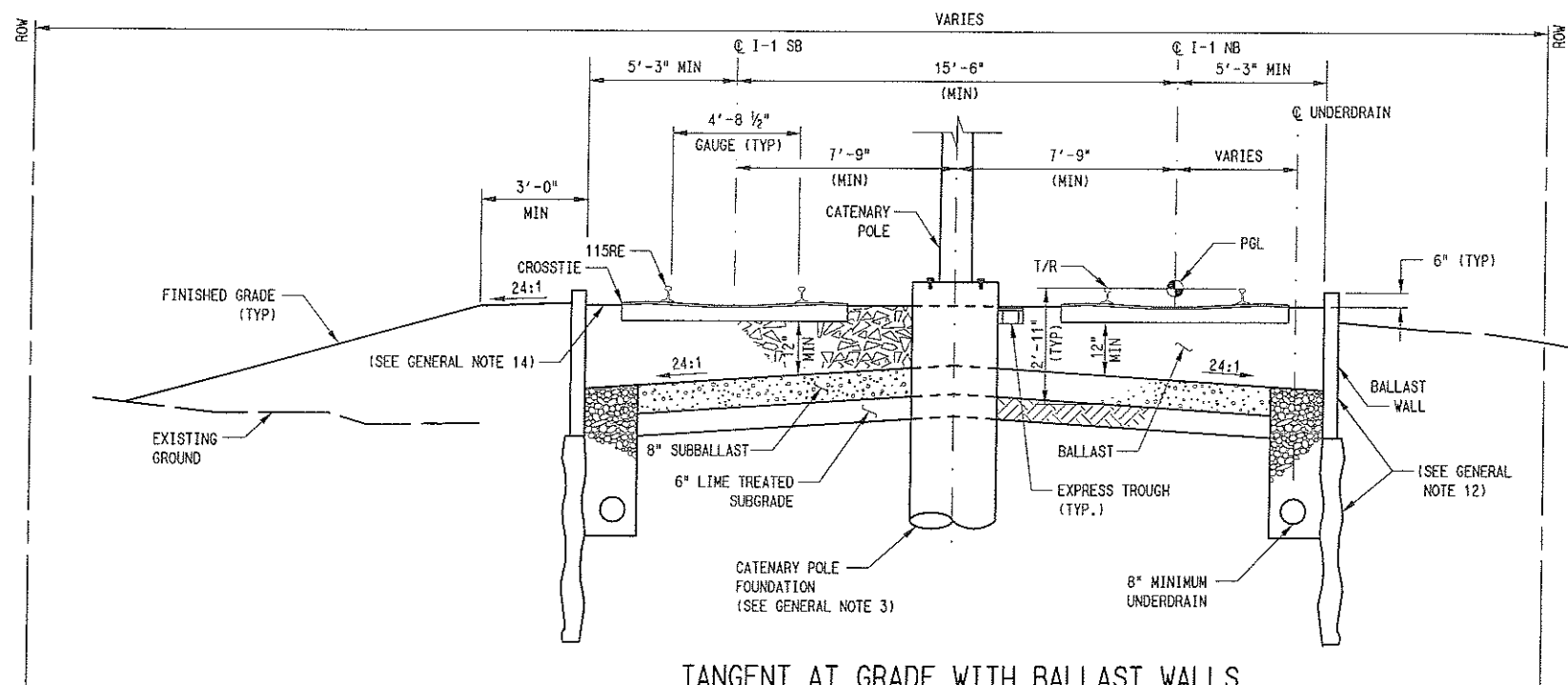
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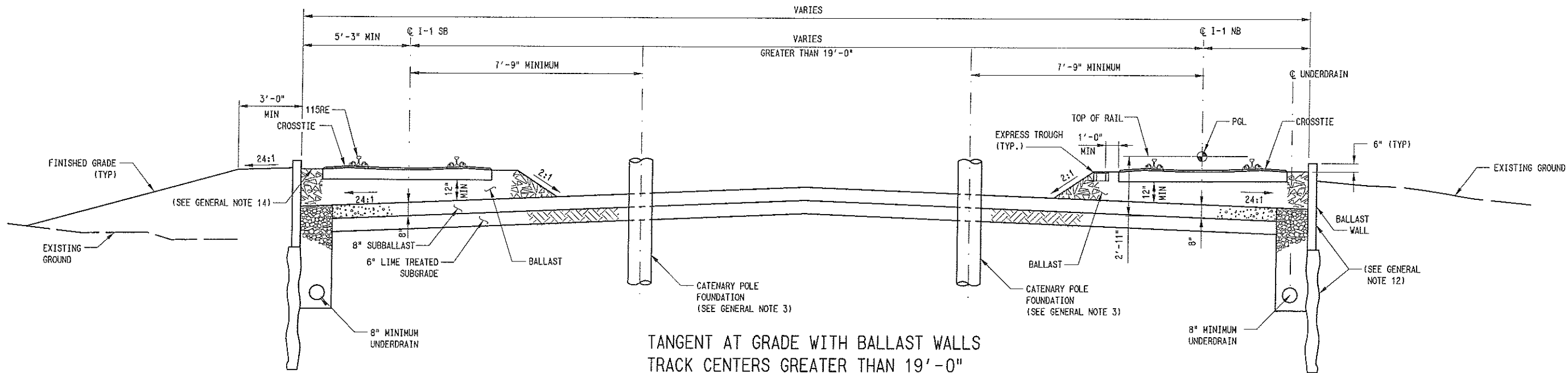
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TANGENT AT GRADE WITH BALLAST WALLS
TRACK CENTERS LESS THAN OR EQUAL TO 19'-0"

NOT TO SCALE

STA 105+50.00 TO STA 108+50.00 STA 108+50.00 TO STA 110+08.64 (SB ONLY) STA 174+61.31 TO STA 176+00.00 (NB ONLY)	STA 176+00.00 TO STA 184+60.00 STA 184+60.00 TO STA 186+10.00 (NB ONLY)	STA 220+63.67 TO STA 225+45.62 STA 226+56.04 TO STA 241+74.27 STA 242+56.36 TO STA 253+85.99	STA 263+91.15 TO STA 265+74.96 STA 267+10.60 TO STA 278+48.68 STA 279+51.33 TO STA 280+00.00	STA 284+90.20 TO STA 292+56.04
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TANGENT AT GRADE WITH BALLAST WALLS
TRACK CENTERS GREATER THAN 19'-0"

NOT TO SCALE

STA 253+85.99 TO STA 256+71.21 STA 260+56.21 TO STA 263+91.15
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- NOTES:
1. SEE DWG No. CC1-6001 FOR GENERAL NOTES.

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CONTRACT SHEET No. 10 OF

REV	AMEND	OR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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IN CHARGE	J. TIPTON
DATE	09 MAR 07

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY
TYPICAL SECTIONS
SHEET 2

CONTRACT C-93775-1	DWG No. CC1-6002	REV
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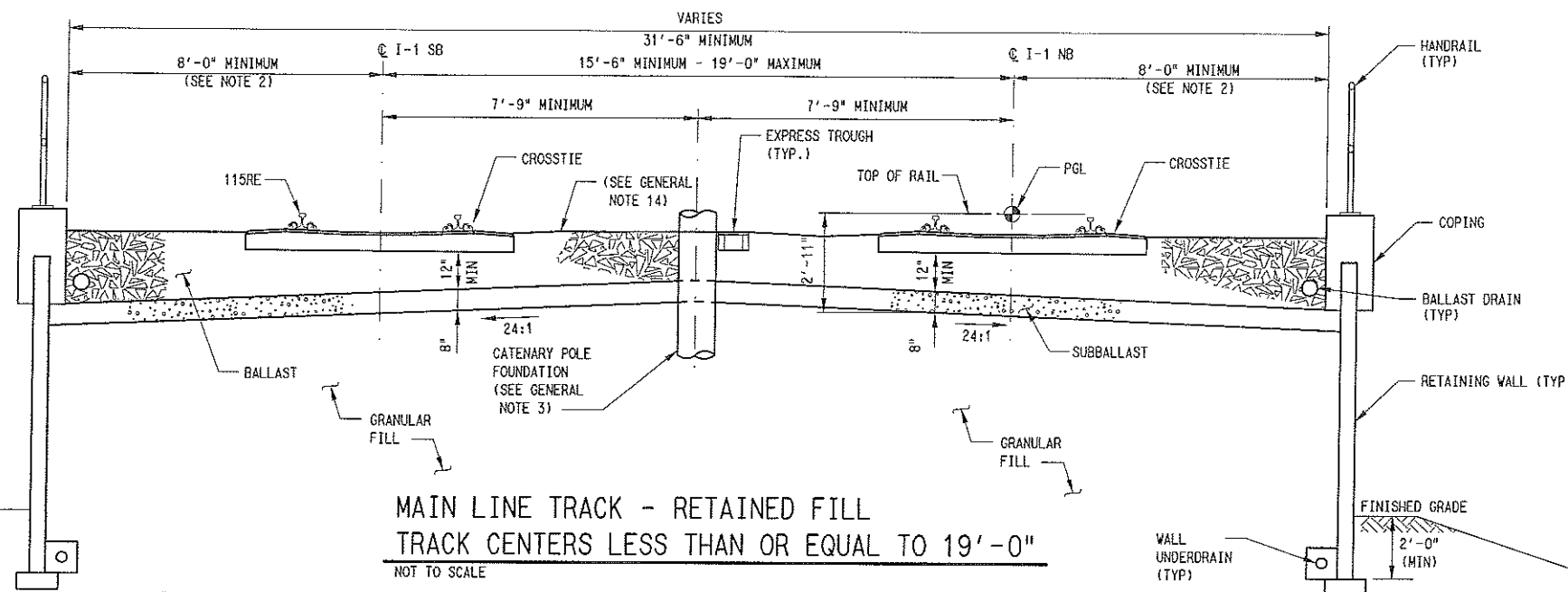
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 DRAWN BY: J. TIPTON

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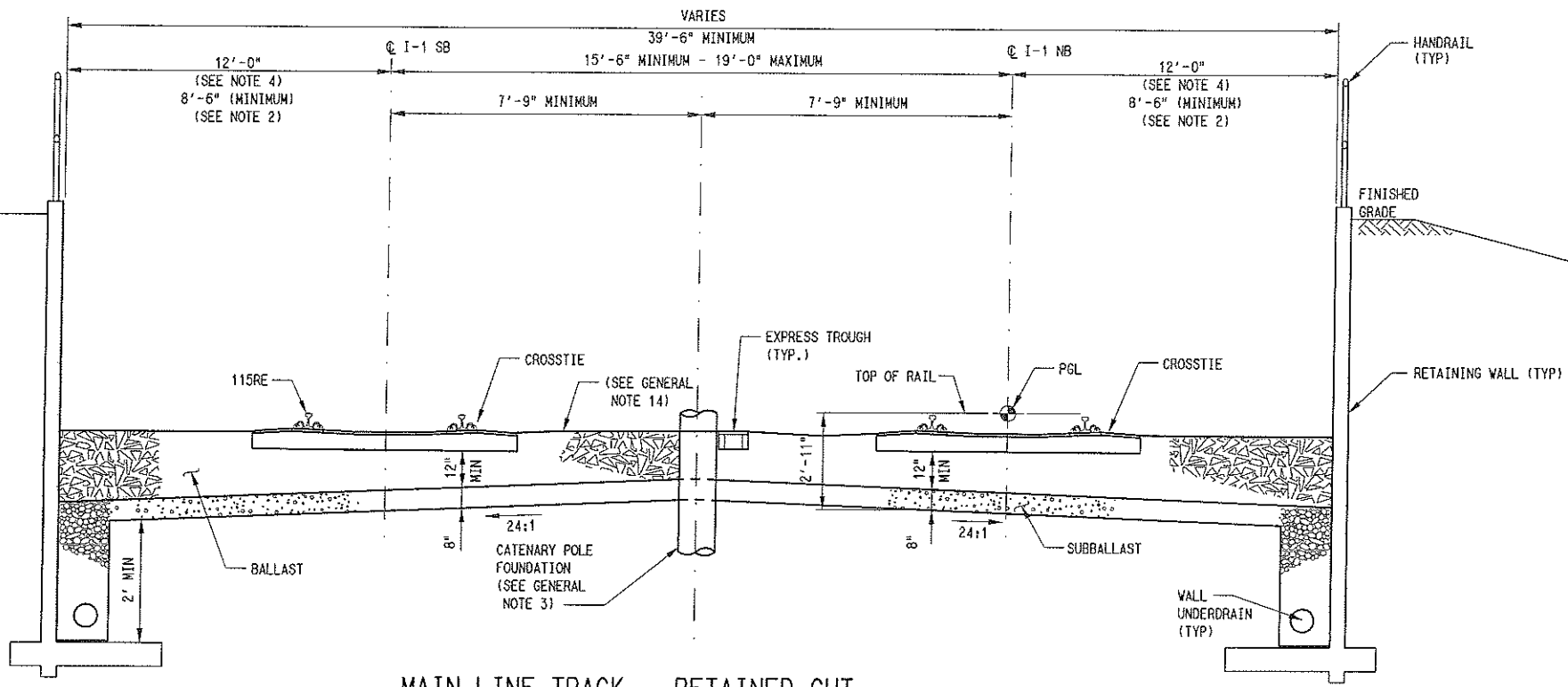
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STA 98+97.50 TO STA 105+50.00
 STA 184+60.00 TO STA 186+10.00 (SB ONLY)
 STA 186+10.00 TO STA 187+83.17
 STA 187+83.17 TO STA 189+13.50 (SB WALL, SEE NOTE 3)

STA 196+27.50 TO STA 198+65.77
 STA 198+65.77 TO STA 200+60.89 (SB ONLY)
 STA 212+27.26 TO STA 215+41.00

STA 280+00.00 TO STA 282+65.50
 STA 283+54.50 TO STA 284+90.20



STA 135+50.00 TO STA 139+00.00 (NB ONLY)
 STA 139+00.00 TO STA 142+95.86
 STA 142+95.86 TO STA 144+25.16 (SEE NOTE 3)
 STA 144+25.16 TO STA 147+47.09 (SB ONLY, SEE NOTE 3)

STA 147+47.09 TO STA 155+07.78 (SEE NOTE 3)
 STA 155+07.78 TO STA 156+77.08 (NB ONLY, SEE NOTE 3)
 STA 156+77.08 TO STA 158+64.67 (SEE NOTE 3)
 STA 162+49.67 TO STA 166+78.22 (SEE NOTE 3)

STA 166+78.22 TO STA 174+61.31 (NB ONLY, SEE NOTE 3)
 STA 198+65.77 TO STA 200+60.89 (NB ONLY, SEE NOTE 3)
 STA 200+60.89 TO STA 203+05.69 (SEE NOTE 3)
 STA 204+17.17 TO STA 206+77.77

- NOTES:
- SEE DWG No. CC1-6001 FOR GENERAL NOTES.
 - SEE STRUCTURAL STD. DWG. No. SS5-0001 FOR MINIMUM DISTANCE AT CURVE OR SPIRAL TRACK.
 - RETAINING WALLS WILL BE BUILT IN COORDINATION WITH TXDOT'S SH 114 IMPROVEMENTS PROJECT SEE GUIDEWAY PLAN & PROFILE FOR DRAWING FOR LIMITS.
 - ABSOLUTE MINIMUM DISTANCE OF 8'-6" MAY BE USED ON TANGENT TRACK WHERE WALKWAY IS AVAILABLE ELSEWHERE ON THE RIGHT OF WAY WITH DART APPROVAL.

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 11 OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 GUIDEWAY
 TYPICAL SECTIONS
 SHEET 3

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

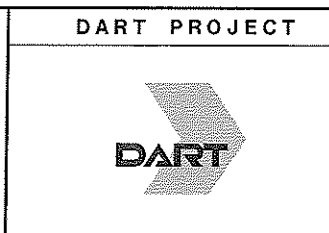
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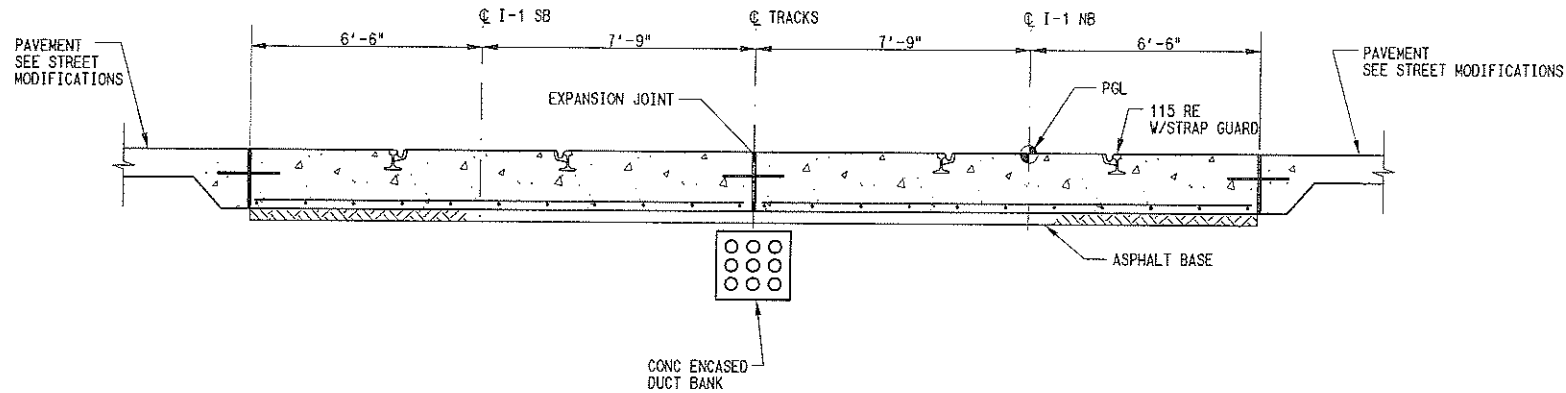
ON 09 MAR 07

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SCALE	NO SCALE
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. CC1-6003 REV

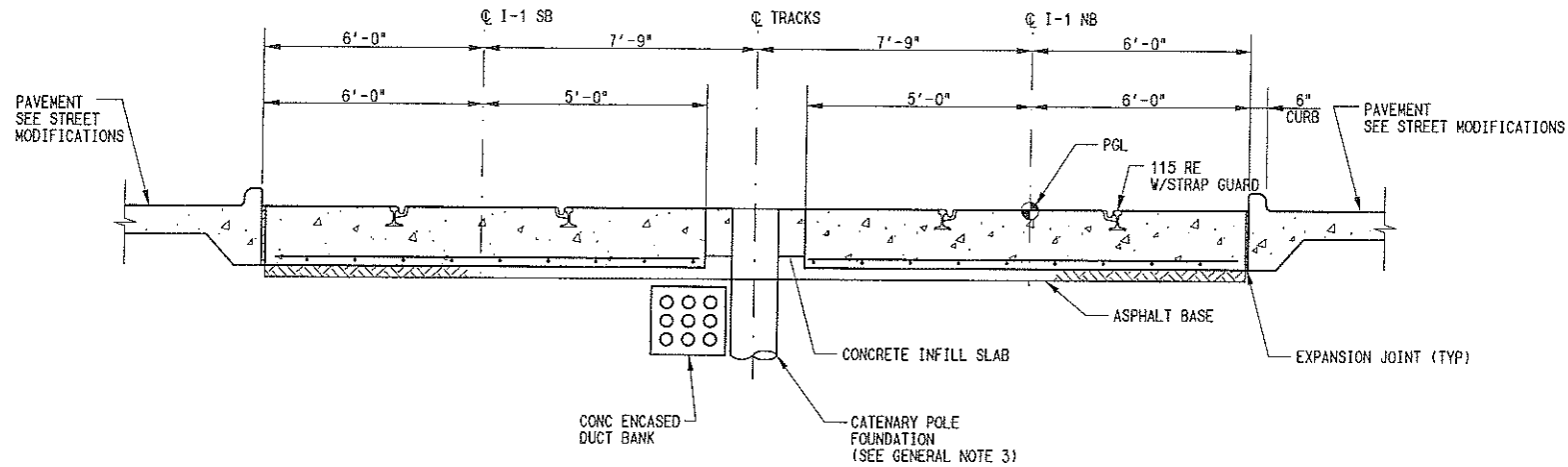


- NOTES:
- SEE DWG. No. CC1-6001 FOR GENERAL NOTES.
 - THE EMBEDDED TRACK SECTION IS INTENDED FOR THE LRT AT-GRADE CROSSING OF THE EXISTING LEVEE SYSTEM FOR THE LAS COLINAS URBAN CENTER. THE FINAL DESIGNER WILL NEED TO COORDINATE WITH DALLAS COUNTY UTILITY AND RECLAMATION DISTRICT TO ENSURE THE LEVEE IS NOT NEGATIVELY IMPACTED WITH THE LRT CONSTRUCTION.

EMBEDDED TRACK AT-GRADE CROSSING

SCALE: NOT TO SCALE

STA 219+75.28 TO STA 220+63.67 (RIVERSIDE)



EMBEDDED TRACK

SCALE: NOT TO SCALE

STA 218+23.14 TO STA 219+75.28

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **13** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY
TYPICAL SECTIONS
SHEET 5

SCALE	NO SCALE
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07



CONTRACT	DWG No.	REV
C-93775-1	CC1-6005	

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DART PROJECT



REV	AMND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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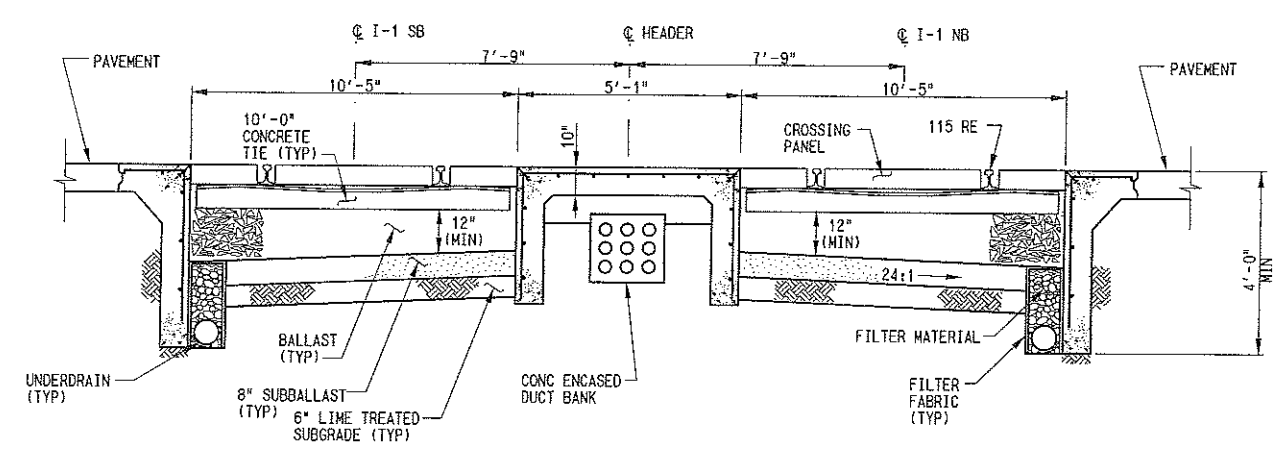
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5/26/2007
CPY-DART

REF ROTATION=0.000000
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- NOTES:
- 1. SEE DWG. No. CC1-6001 FOR GENERAL NOTES.
 - 2. HEADER DETAIL SHOWN IS FOR A TYPICAL CONCRETE PAVEMENT INTERFACE. REFER TO DART STANDARD DRAWINGS FOR OTHER TYPES OF INTERFACE.



HIGHWAY\STREET GRADE CROSSING
SCALE: NOT TO SCALE

- STA 110+08.64 TO STA 111+77.36 (CENTRAL FREIGHT ACCESS)
- STA 206+77.77 TO STA 207+30.27 (TELEPORT AVE)
- STA 219+66.54 TO STA 220+71.19 (RIVERSIDE)
- STA 225+45.62 TO STA 226+45.62 (LAS COLINAS BLVD)
- STA 241+74.77 TO STA 242+56.36 (CALIFORNIA)
- STA 265+74.96 TO STA 267+10.60 (O'CONNOR BLVD)
- STA 278+48.68 TO STA 279+51.33 (PROP. STREET 'A')

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **14** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY
TYPICAL SECTIONS
SHEET 6**

SCALE	NO SCALE
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT **C-93775-1** DWG No. **CC1-6006** REV

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CP&Y
Chiang, Patel & Yerby, Inc.

PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT



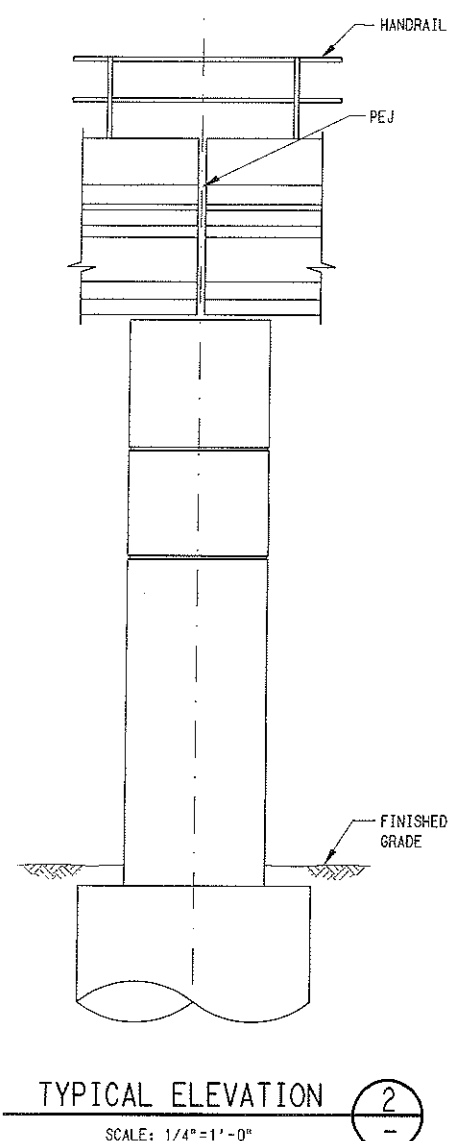
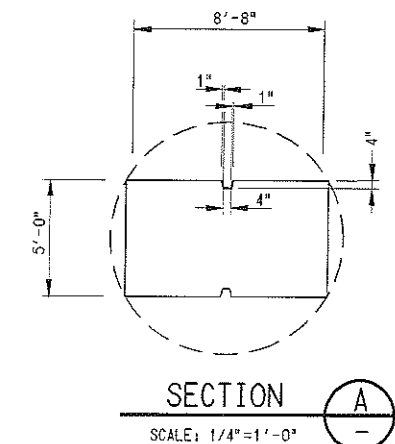
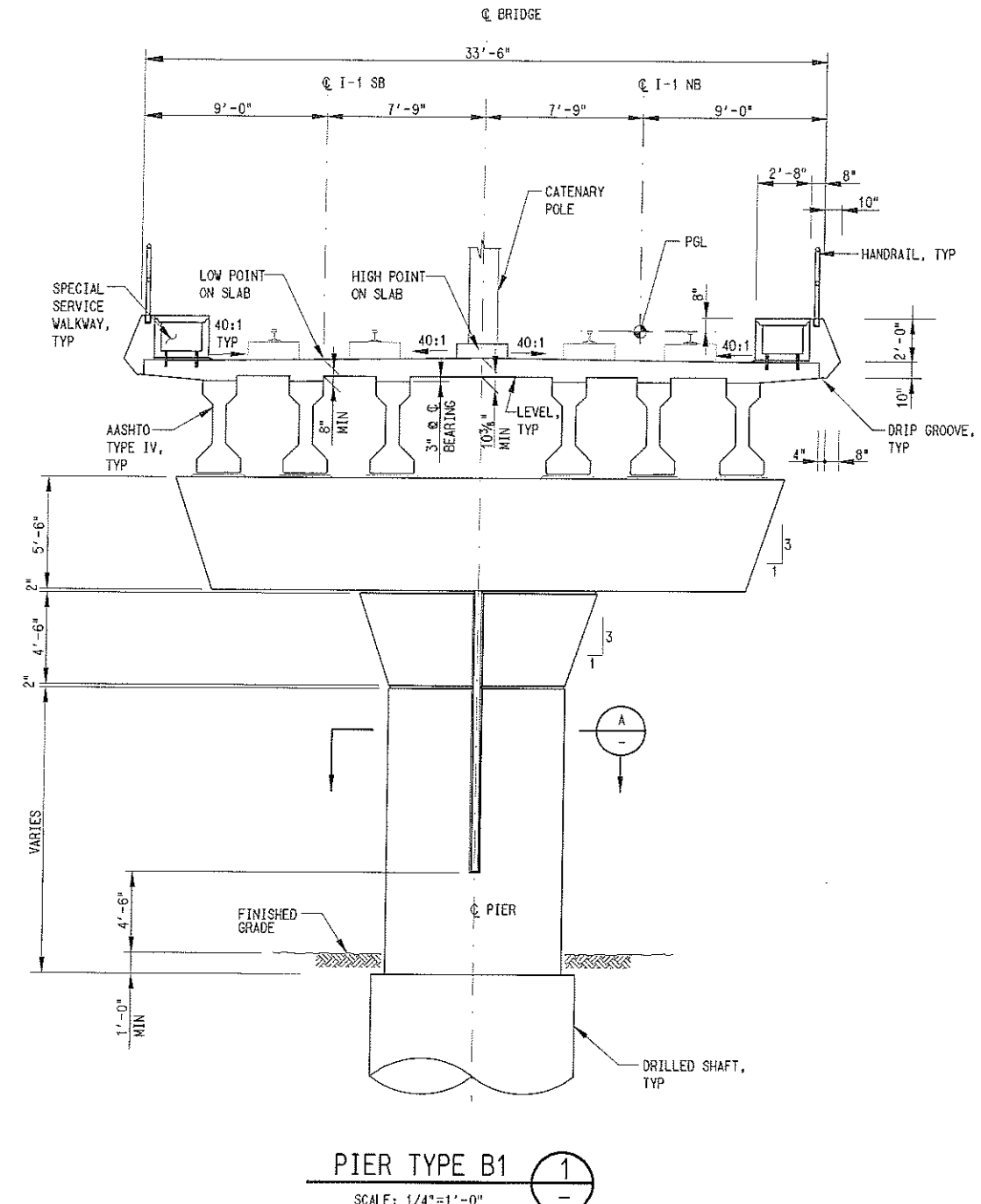
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NOTES:
1. FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS.

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 16 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
TYPICAL SECTION
PIER TYPE B1

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENC	CHK	APP

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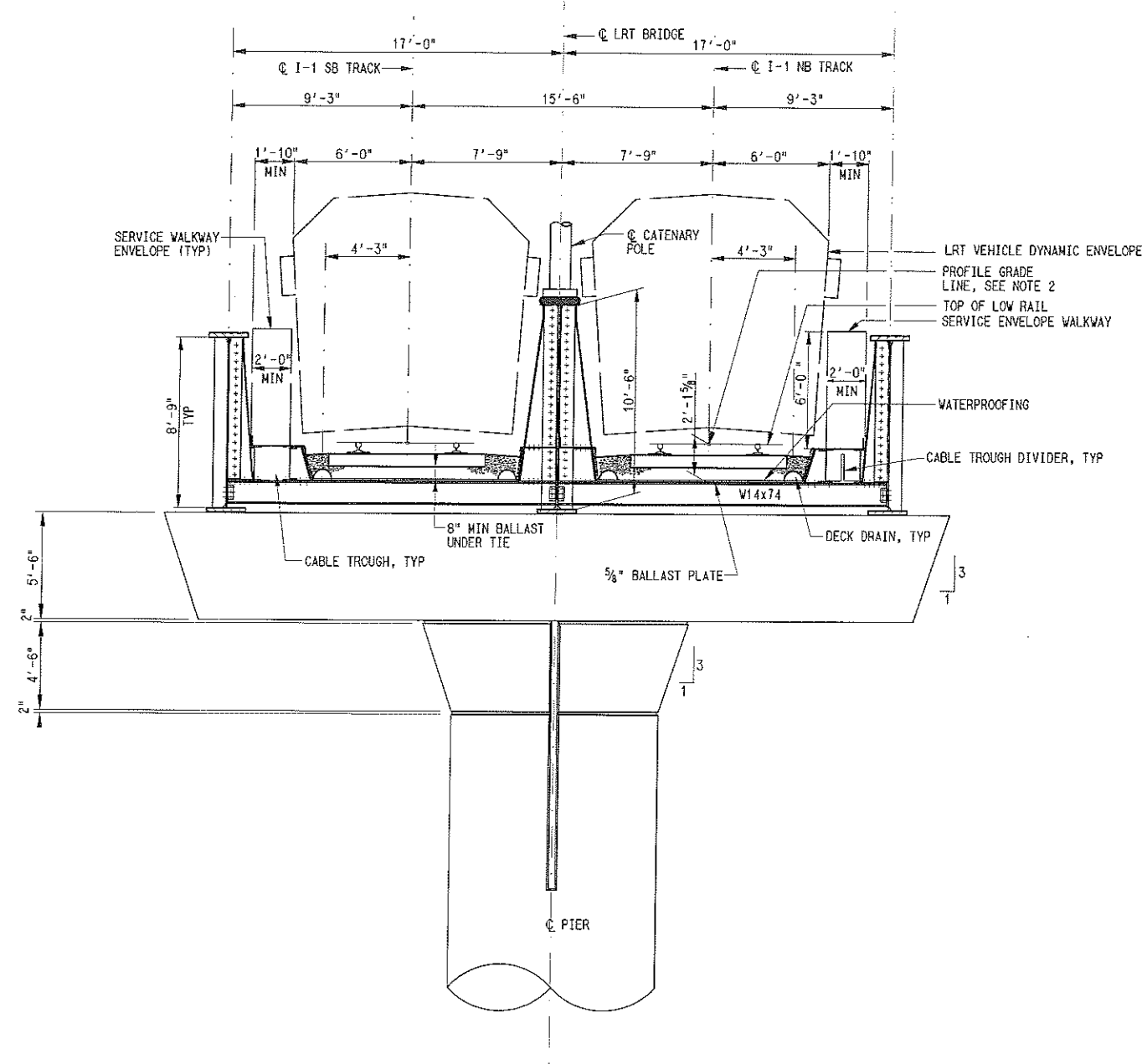
APM
APM & Associates, Inc.
Engineers • Planners • Surveyors
100 North Central Expy. Suite 210
Dallas, TX 75201 (214) 748-4888

PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY • DALLAS, TX 75249

DART PROJECT

SCALE	AS NOTED
DRAWN	T. TAMOS
DESIGNED	N. GHAFAR
CHECKED	J. LIN
IN CHARGE	A. QLABKHAN
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. SC8-6015 REV



NOTES:

1. FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS.
2. FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS. THE DISTANCE 2'-1 5/8" IS FROM THE TOP OF FLOOR BEAM FLANGE TO THE PROFILE GRADE LINE.

TYPICAL THROUGH GIRDER BRIDGE SECTION PIER TYPE E

SCALE: 1/4" = 1'-0"

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 19 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
TYPICAL SECTION
PIER TYPE E

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PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

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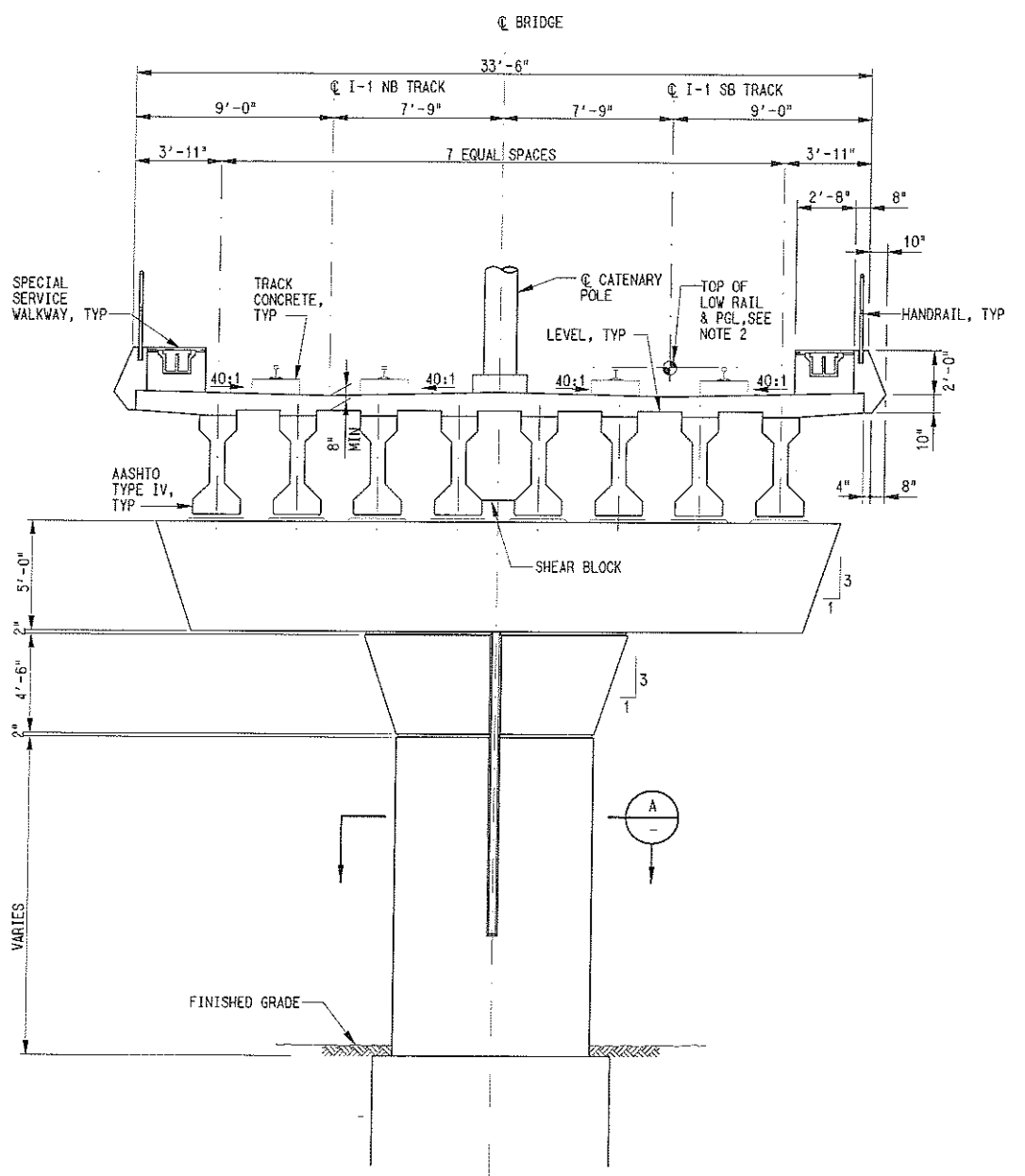
SCALE	AS NOTED
DRAWN	T. TANOS
DESIGNED	M. GHAFAR
CHECKED	J. LIN
IN CHARGE	A. OLABITAN
DATE	09 MAR 07



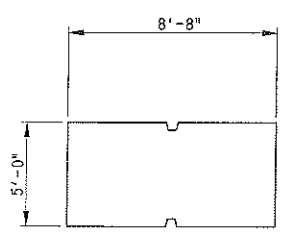
CONTRACT C-93775-1 DWG No. SC8-6018

REV

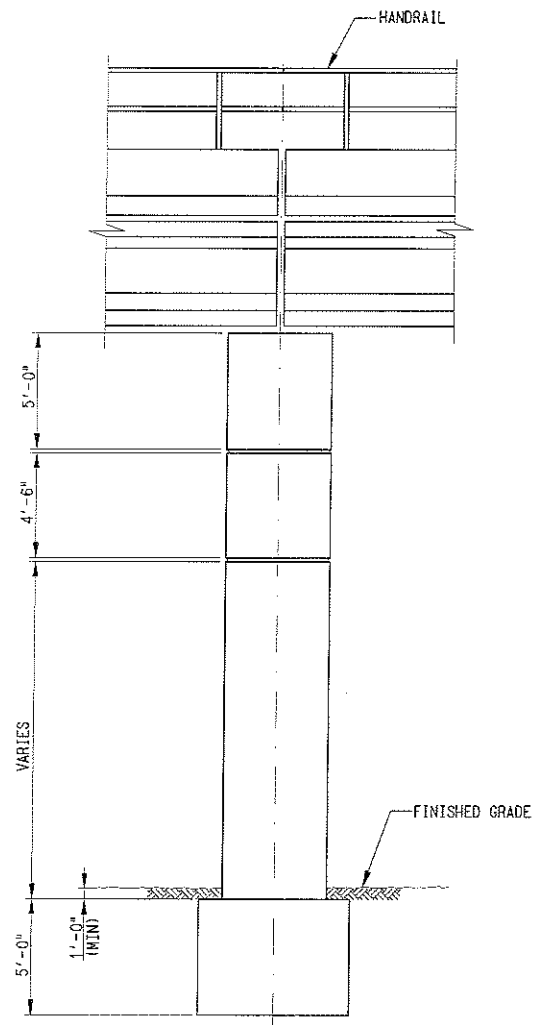
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 UTIL, RAVI\RAVIR\001, 1-19, 21-60
 TOPP, RAVI\RAVIR\001, 2-5, 8-11, 13-18, 20-21, 23, 25, 31, 35, 36, 40, 52
 89PL, RAVI\RAVIR\001, 6-10, 15-17
 P100, RAVI\RAVIR\000, 1, 3-8
 HOOPY, RAVI\RAVIR\000, 2-20, 22-25, 27-62
 ALLEG, RAVI\RAVIR\000, 1-4, 6-13, 15, 17-20, 21-29
 WEL, RAVI\RAVIR\002, 001, 1-4, 7-14, 16-91
 I002, RAVI\RAVIR\000, 1-42
 P100, RAVI\RAVIR\000, 1, 3-8
 HOOPY, RAVI\RAVIR\000, 2-20, 22-25, 27-62
 ALLEG, RAVI\RAVIR\000, 1-4, 6-13, 15, 17-20, 21-29
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 I002, RAVI\RAVIR\000, 1-42
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 HOOPY, RAVI\RAVIR\000, 2-20, 22-25, 27-62
 ALLEG, RAVI\RAVIR\000, 1-4, 6-13, 15, 17-20, 21-29
 WEL, RAVI\RAVIR\002, 001, 1-4, 7-14, 16-91
 I002, RAVI\RAVIR\000, 1-42



PIER TYPE F
SCALE: 1/4" = 1'-0"



SECTION
SCALE: 1/4" = 1'-0"



TYPICAL ELEVATION
SCALE: 1/4" = 1'-0"

- NOTES:
- FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS.
 - FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS. THE DISTANCE 2'-1 1/2" IS FROM THE TOP OF FLOOR BEAM FLANGE TO THE PROFILE GRADE LINE.

P1000, RAINVIEW (REV) 040, 1-3-02
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 ALLEG, RAINVIEW (REV) 040, 1-4-03, 1-15-03, 1-25-03, 4-1-03
 UBE, RAINVIEW (REV) 040, 1-4-03, 1-14-03, 1-18-03
 OP, RAINVIEW (REV) 040, 1-02
 P1000, RAINVIEW (REV) 040, 1-3-02
 MODIFY, RAINVIEW (REV) 040, 2-20-02, 3-31-02
 ALLEG, RAINVIEW (REV) 040, 1-4-03, 1-15-03, 1-25-03, 4-1-03
 UBE, RAINVIEW (REV) 040, 1-4-03, 1-14-03, 1-18-03
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 UBE, RAINVIEW (REV) 040, 1-4-03, 1-14-03, 1-18-03
 OP, RAINVIEW (REV) 040, 1-02

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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 Dallas, TX, 75201 (214) 748-4888

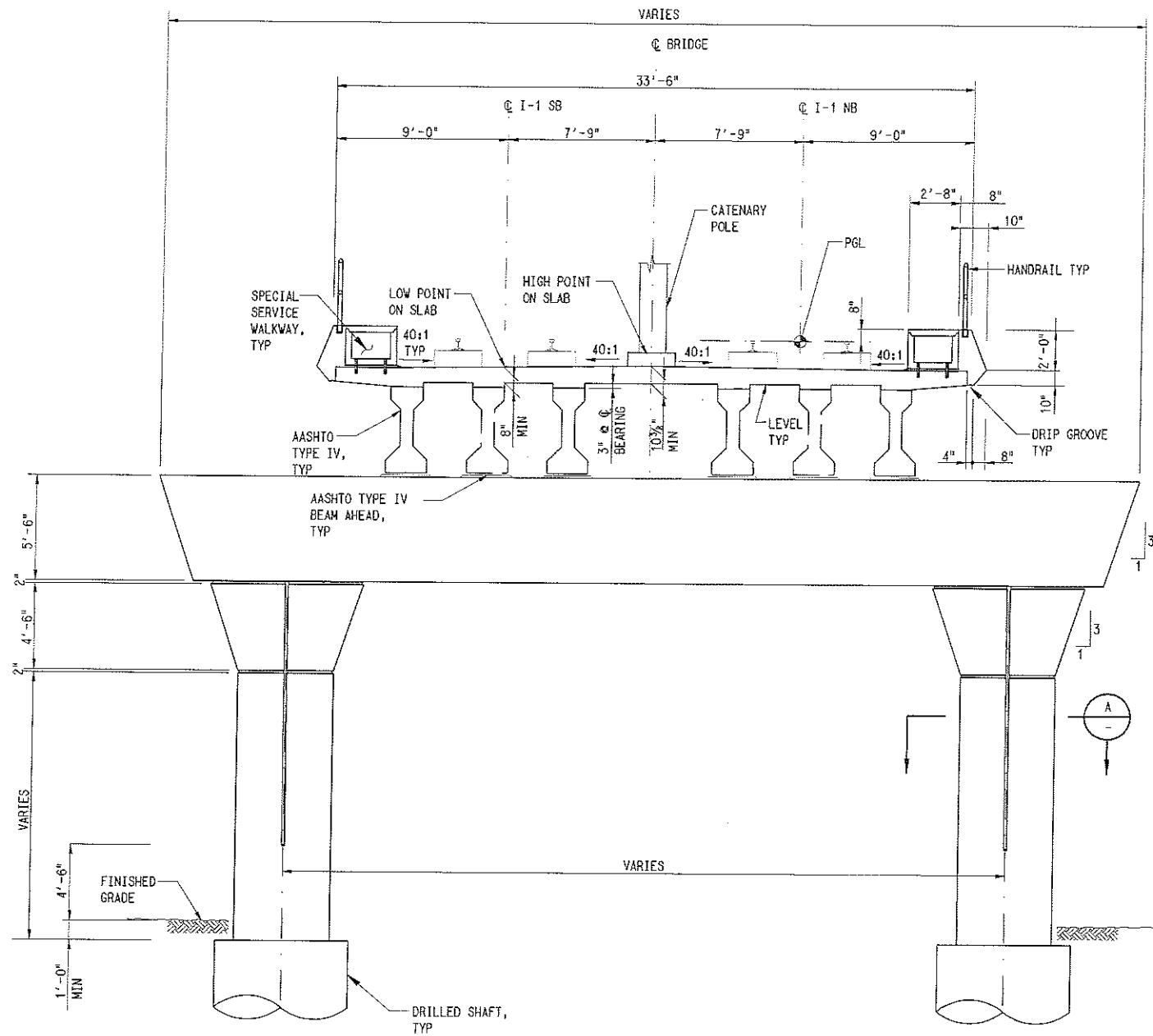
PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY • DALLAS, TX 75248

DART PROJECT

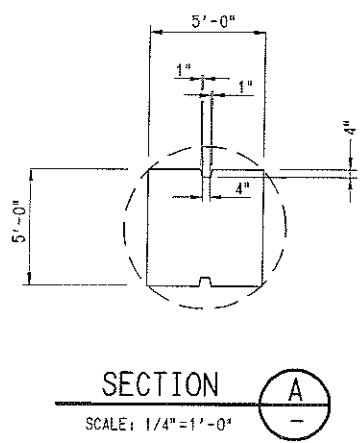
SCALE	AS NOTED
DRAWN	T. TAMOS
DESIGNED	H. GHAFAR
CHECKED	J. LIN
IN CHARGE	A. OLABINTAN
DATE	09 MAR 07

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN
 CONTRACT SHEET No. **20** OF
LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
TYPICAL SECTION
PIER TYPE F
 CONTRACT C-93775-1 DWG No. SC8-6019 REV

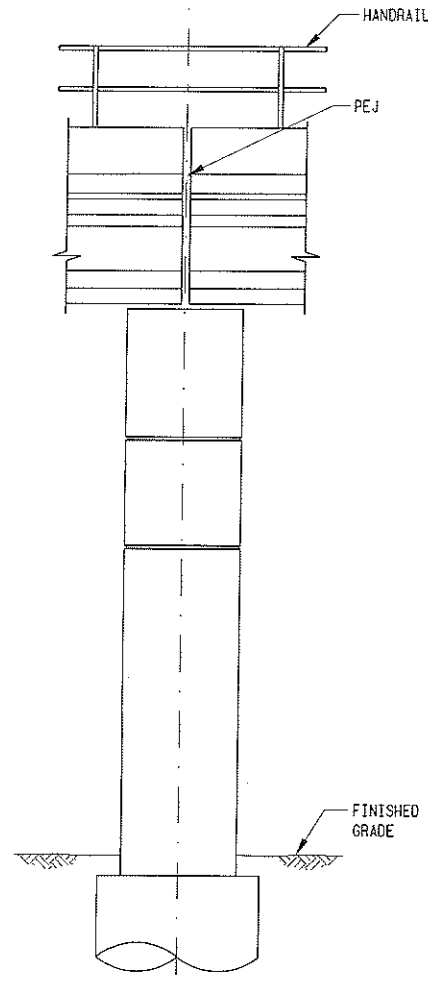
- NOTES:
- FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS.



PIER TYPE C (1)
SCALE: 1/4"=1'-0"



TYPICAL ELEVATION (2)
SCALE: 1/4"=1'-0"



1/13/07 15:11:30
 4/20/07 14:30:00
 4/20/07 14:30:00

4/20/07 14:30:00
 4/20/07 14:30:00

4/20/07 14:30:00
 4/20/07 14:30:00
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 4/20/07 14:30:00

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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100 North Central Expy. Suite 210
 Dallas, TX 75201 (214) 748-4888

PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY • DALLAS, TX 75248

DART PROJECT

SCALE	AS NOTED
DRAWN	T. TAMOS
DESIGNED	M. GHAFAR
CHECKED	J. LIN
IN CHARGE	A. ALBERTAN
DATE	09 MAR 07

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 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **21** OF

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 TYPICAL SECTION
 PIER TYPE C**

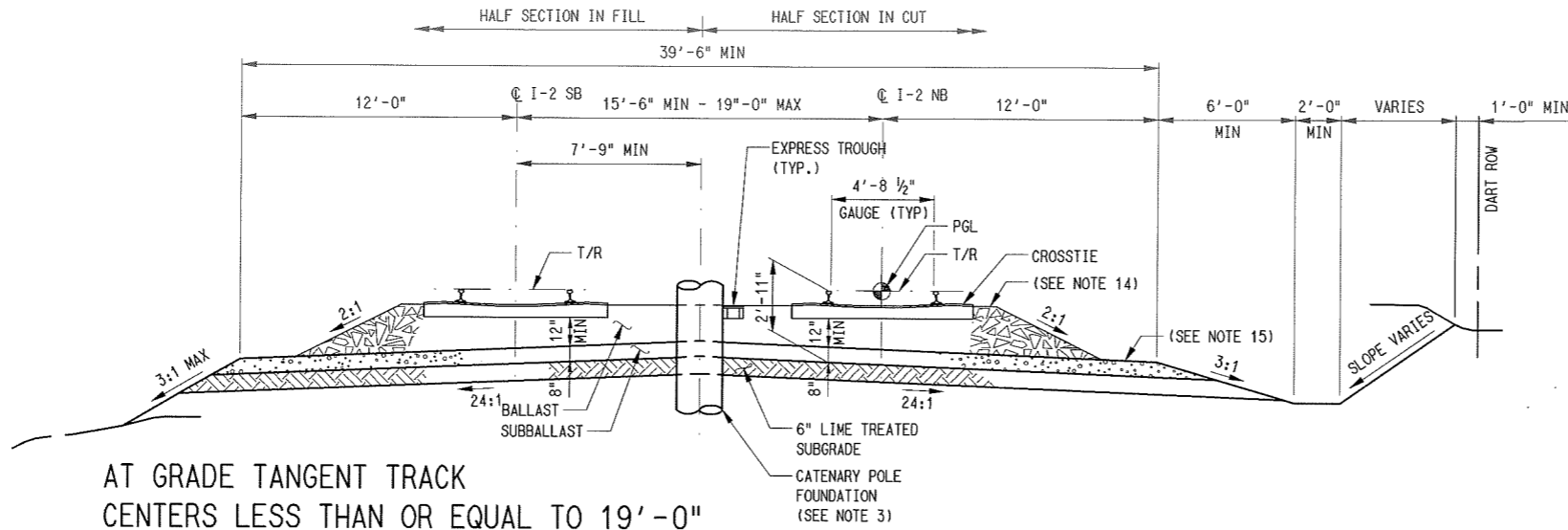
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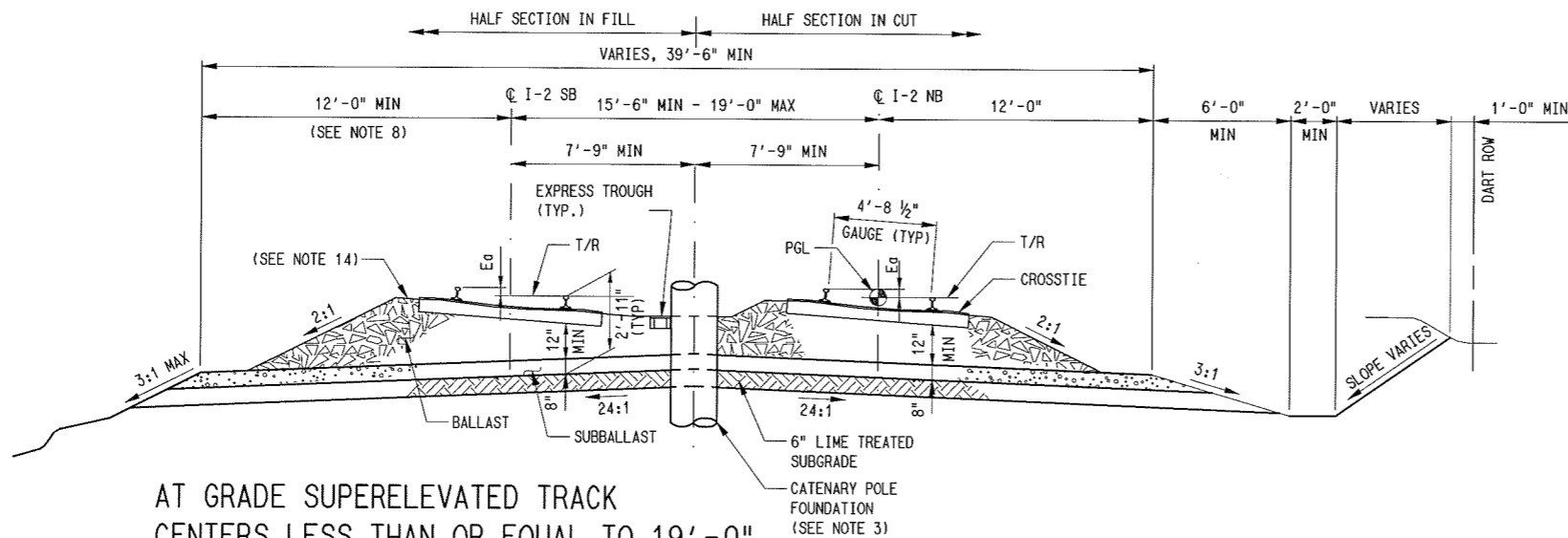
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**AT GRADE TANGENT TRACK
CENTERS LESS THAN OR EQUAL TO 19'-0"**

NOT TO SCALE

- STA 370+24.90 TO STA 372+00.78 (NB AT GRADE & SB RETAINED CUT)
- STA 372+00.78 TO STA 372+28.83 (NB AT GRADE & SB BALLAST WALL)
- STA 397+07.31 TO STA 400+37.55 (SB AT GRADE & NB RETAINED FILL)
- STA 409+08.60 TO STA 411+11.55 (NB AT GRADE & SB RETAINED CUT)
- STA 438+26.84 TO STA 448+50.00
- STA 487+65.45 TO STA 488+76.75
- STA 492+19.71 TO STA 492+45.01 (SB AT GRADE & NB BALLAST WALL)
- STA 492+45.01 TO STA 500+00.00



**AT GRADE SUPERELEVATED TRACK
CENTERS LESS THAN OR EQUAL TO 19'-0"**

NOT TO SCALE

- STA 405+22.50 TO STA 409+08.60 (NB AT GRADE & SB RETAINED CUT)
- STA 411+11.55 TO STA 412+32.70 (NB AT GRADE & SB RETAINED CUT)
- STA 430+40.00 TO STA 438+26.84
- STA 453+00.00 TO STA 463+75.00

GENERAL NOTES:

1. ALL SECTIONS ARE LOOKING UPSTATION. WITH ALL STATIONING BASED ON THE CENTERLINE OF THE NORTHBOUND TRACK, UNLESS OTHERWISE NOTED.
2. SEE TRACKWORK STANDARDS FOR DETAILS OF TRACK ELEMENTS, DETAILS ARE PROVIDED FOR CONTRACTOR'S INFORMATION ONLY.
3. CATENARY POLE LOCATION IS TYPICAL AND ONLY SHOWN AS AN ILLUSTRATION.
4. SEE GUIDEWAY DRAINAGE PLANS FOR DETAILS AND LIMITS OF DITCHES, DRAINAGE STRUCTURES AND UNDERDRAINS.
5. IN CURVES AND SPIRALS, THE PGL IS THE TOP OF THE LOW RAIL ON THE INSIDE OF THE CURVE OF THE NORTHBOUND TRACK.
6. THE CONTRACTOR IS REQUIRED TO WORK WITHIN TUE AND OSHA REQUIREMENTS FOR CLEARANCES WHILE WORKING NEAR OR UNDER TRANSMISSION LINES.
7. SIDE SLOPES SHALL BE 3:1 UNLESS INDICATED OTHERWISE.
8. FOR SUPERELEVATED CURVES WHERE E_0 IS GREATER THAN $2'$, INCREASE WIDTH TO $13'-6"$. THE TRANSITION FROM THE SUBBALLAST SECTION SHOWN FOR TANGENT TRACK TO THE WIDENED SECTION FOR SUPERELEVATED TRACK SHALL BE MADE THROUGH THE LENGTH OF THE SPIRAL.
9. SEE STANDARD DWG Nos. CS6-021 THROUGH CS6-0024 FOR UNDERDRAIN DETAILS.
10. PROVIDE 6" LIME STABILIZED SUBGRADE UNDER THE 8" SUBBALLAST WHERE PI OF SUBGRADE IS 15 OR GREATER, SEE SPECIFICATIONS.
11. ALL DIMENSIONS TO INSIDE FACE OF WALL ARE AT TOP PORTION OF WALL.
12. SEE STANDARD CS6-0027, CS6-0028, AND CS6-0029 FOR BALLAST WALL DETAILS.

GENERAL NOTES (CONTINUED):

13. SEE GUIDEWAY PLAN AND PROFILE DRAWINGS FOR DETAILS AND LIMITS OF HORIZONTAL AND VERTICAL TRACK GEOMETRY, RETAINING WALL LOCATIONS, BALLAST WALL LOCATIONS, LIMITS OF SLOPE PROTECTION, AND FENCE LOCATIONS.
14. TOP OF BALLAST SHALL BE EVEN WITH TOP OF TIE. MAINTAIN BALLAST IN CRIBS IN LINE WITH TOP OF TIE SO THAT IT SHALL BE AT LEAST ONE INCH BELOW THE BASE OF RAIL. SHOULDER BALLAST SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND END OF TIE. FOR RADIUS LESS THAN 1000 FEET, EXTEND A MINIMUM OF 18 INCHES BEYOND END OF TIE ON OUTSIDE OF TRACK.
15. THE SUBBALLAST SHOULDER SHALL BE A MINIMUM OF 2 FEET.
16. BEGIN DITCH AND UNDERDRAIN BETWEEN NORTHBOUND AND SOUTHBOUND TRACKS WHEN DISTANCE BETWEEN TRACKS IS GREATER THAN 19'-0".
17. BALLAST SPREAD IS NOT CONTINUOUS BETWEEN TRACKS FOR TRACK CENTERS GREATER THAN 19'-0".
18. SEE BRIDGE STRUCTURE DRAWINGS FOR TYPICAL SECTIONS THROUGH BRIDGES.
19. SEE ARCHITECTURAL DRAWINGS FOR TYPICAL SECTIONS THROUGH STATIONS.

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CONTRACT SHEET No. **23** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY
TYPICAL SECTIONS
SHEET 1

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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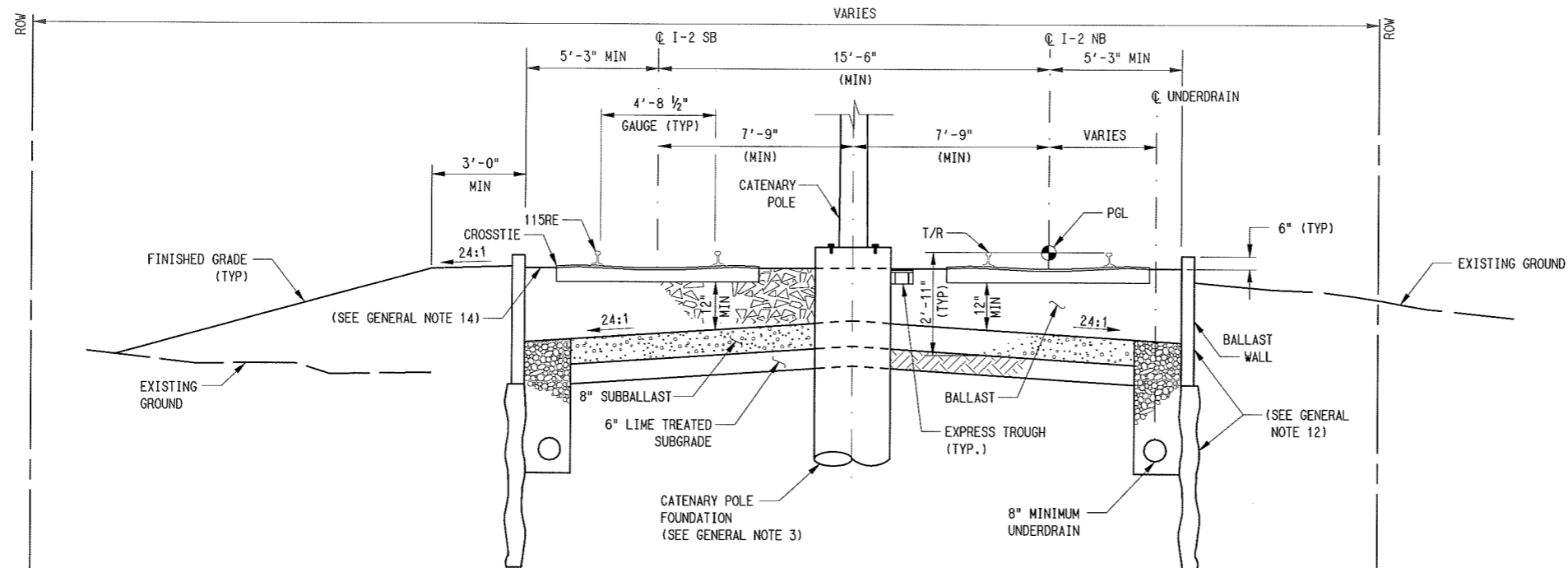
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DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08



CONTRACT	DWG No.	REV
C-93775-1	CC1-7001	



NOTES:
 1. SEE DWG No. CC1-7001 FOR GENERAL NOTES.

TANGENT AT GRADE WITH BALLAST WALLS
 TRACK CENTERS LESS THAN OR EQUAL TO 19'-0"

NOT TO SCALE

- STA 372+00.78 TO STA 372+28.83 (SB BALLAST WALL & NB AT GRADE)
- STA 373+46.68 TO STA 379+00.00
- STA 404+98.05 TO STA 405+72.42 (SB BALLAST WALL & NB RETAINED CUT)
- STA 413+39.46 TO STA 424+81.40 (NB BALLAST WALL & SB RETAINED CUT)
- STA 425+34.86 TO STA 427+90.00
- STA 427+90.00 TO STA 429+48.50 (NB BALLAST WALL & SB RETAINED CUT)
- STA 429+48.50 TO STA 430+40.00
- STA 481+96.00 TO STA 483+04.45 (NB BALLAST WALL & SB RETAINED FILL)
- STA 489+37.55 TO STA 492+19.71
- STA 492+19.71 TO STA 492+45.01 (NB BALLAST WALL & SB AT GRADE)

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 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **24** OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-2
 GUIDEWAY
 TYPICAL SECTIONS
 SHEET 2

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DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08



CONTRACT C-93775-1

DWG No. CC1-7002

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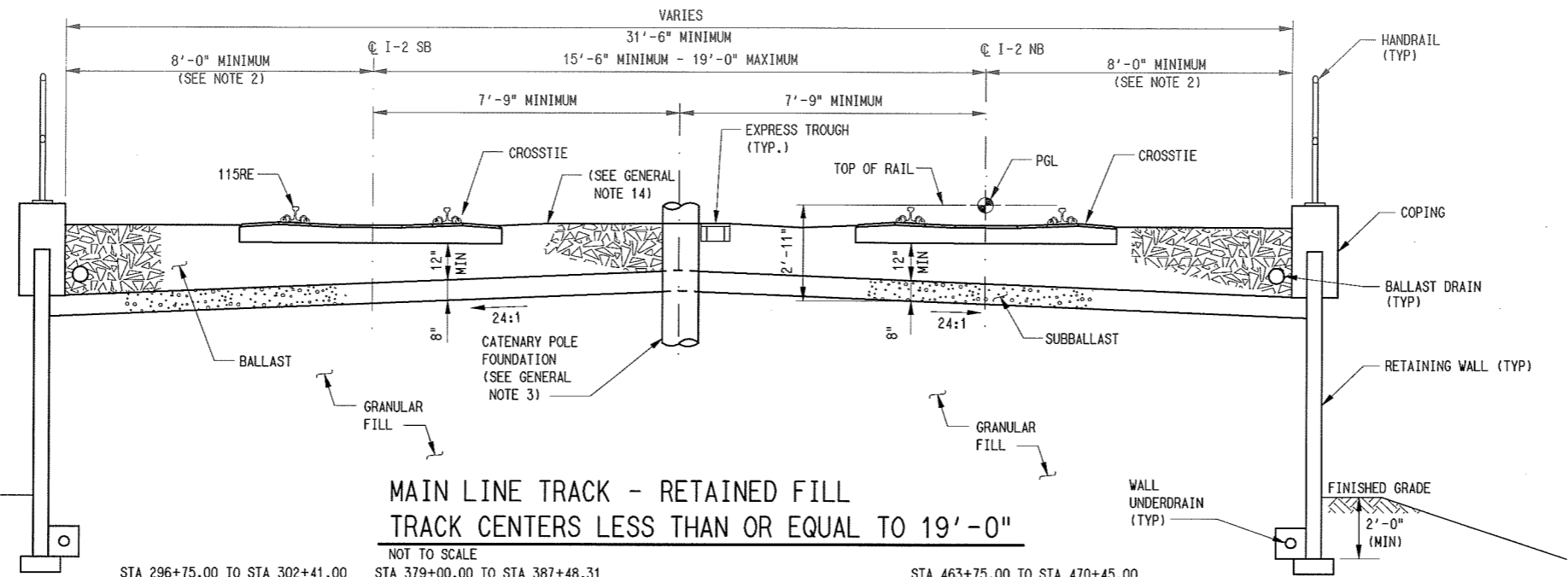
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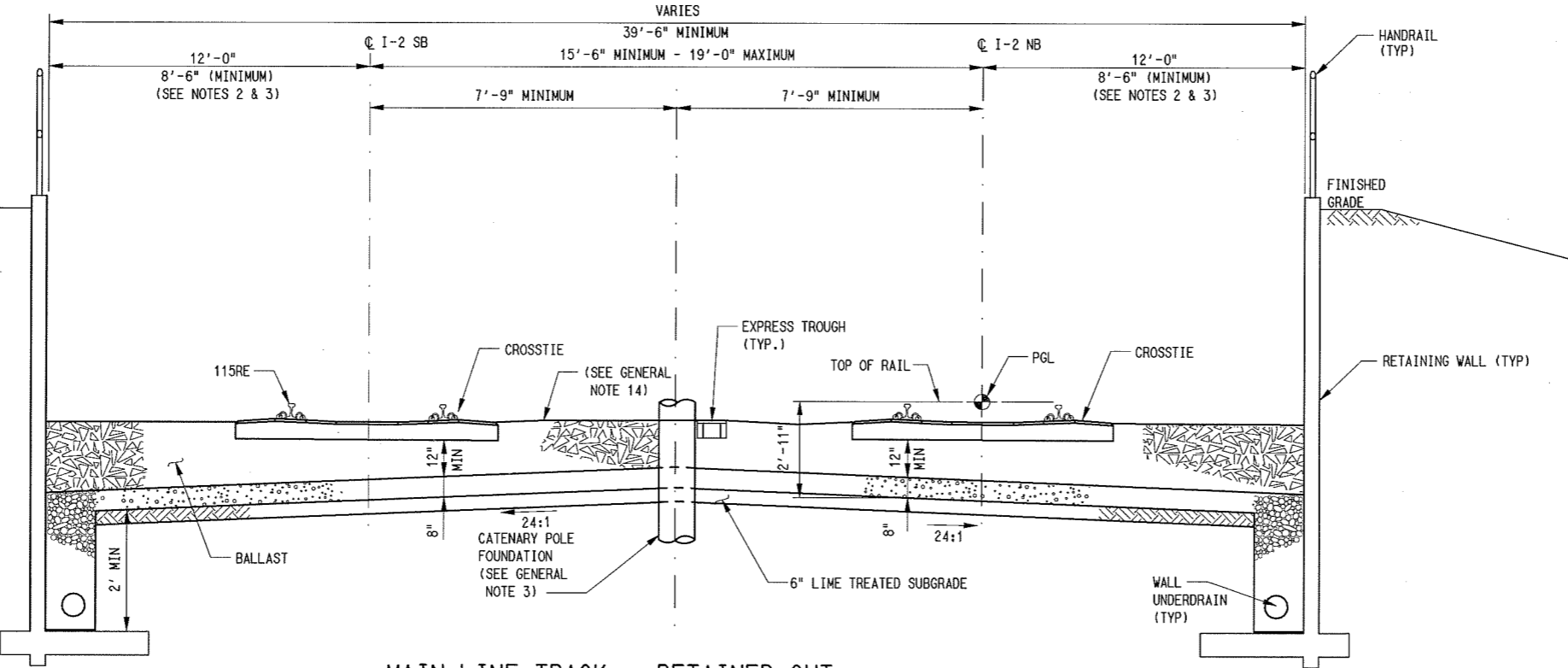
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MAIN LINE TRACK - RETAINED FILL
TRACK CENTERS LESS THAN OR EQUAL TO 19'-0"
 NOT TO SCALE

STA 296+75.00 TO STA 302+41.00 STA 343+06.00 TO STA 344+99.10 STA 345+96.75 TO STA 346+93.01 STA 351+54.01 TO STA 355+12.00 STA 356+04.00 TO STA 363+25.02	STA 379+00.00 TO STA 387+48.31 STA 389+31.33 TO STA 397+07.31 STA 397+07.31 TO STA 400+37.55 (NB RETAINED FILL & SB AT GRADE)	STA 463+75.00 TO STA 470+45.00 STA 479+25.00 TO STA 481+96.00 STA 481+96.00 TO STA 483+04.45 (SB RETAINED FILL & NB BALLAST WALL)
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- NOTES:**
1. SEE DWG No. CC1-7001 FOR GENERAL NOTES.
 2. SEE STRUCTURAL STD. DWG. No. SS5-0001 FOR MINIMUM DISTANCE AT CURVE OR SPIRAL TRACK.
 3. ABSOLUTE MINIMUM DISTANCE OF 8'-6" MAY BE USED ON TANGENT TRACK WHERE WALKWAY IS AVAILABLE ELSEWHERE ON THE RIGHT OF WAY WITH DART APPROVAL.



MAIN LINE TRACK - RETAINED CUT
TRACK CENTERS LESS THAN OR EQUAL TO 19'-0"
 NOT TO SCALE

STA 363+25.02 TO STA 370+24.90 STA 370+24.90 TO STA 372+00.78 (SB RETAINED CUT & NB AT GRADE) STA 404+98.05 TO STA 405+72.42 (NB RETAINED CUT & SB BALLAST WALL) STA 405+72.42 TO STA 405+86.95 BK = 404+80.00 AHD (END VE MODIFICATION)	STA 404+80.00 TO STA 405+22.50 STA 405+22.50 TO STA 412+32.70 (SB RETAINED CUT & NB AT GRADE) STA 413+39.46 TO STA 424+81.40 (SB RETAINED CUT & NB BALLAST WALL)	STA 427+90.00 TO STA 429+48.50 (SB RETAINED CUT & NB BALLAST WALL) STA 448+50.00 TO STA 453+00.00
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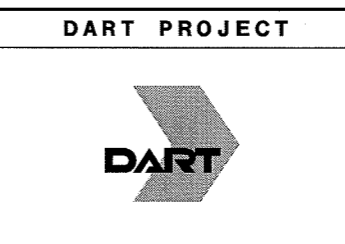
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DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

LIGHT RAIL TRANSIT SYSTEM LINE SECTION I-2 GUIDEWAY TYPICAL SECTIONS SHEET 3	
CONTRACT C-93775-1	DWG No. CC1-7003
CAES	REV

DWG No. CC1-7003

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CONTRACT SHEET No. 26 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY
TYPICAL SECTIONS
SHEET 3

CONTRACT
C-93775-1

DWG No.
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CONTRACT SHEET No. **27** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY
TYPICAL SECTIONS
SHEET 4

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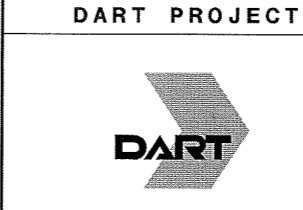
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DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08



CONTRACT
C-93775-1

DWG No. C01-7004

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CONTRACT SHEET No. **28** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY
TYPICAL SECTIONS
SHEET 5

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DATE	01 MAY 08



CONTRACT C-93775-1

DWG No. CC1-7005

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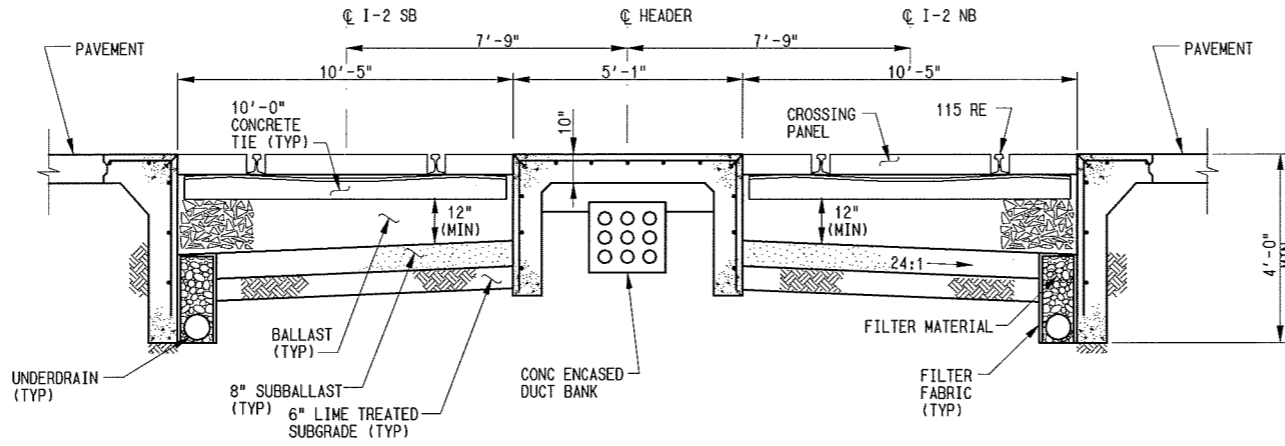
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- NOTES:
- 1. SEE DWG. No. CC1-7001 FOR GENERAL NOTES.
 - 2. HEADER DETAIL SHOWN IS FOR A TYPICAL CONCRETE PAVEMENT INTERFACE. REFER TO DART STANDARD DRAWINGS FOR OTHER TYPES OF INTERFACE.



HIGHWAY\STREET GRADE CROSSING

SCALE: NOT TO SCALE

- STA 344+99.10 TO STA 345+96.75 (GREEN PARK)
- STA 372+28.83 TO STA 373+46.68 (HIDDEN RIDGE)
- STA 412+32.70 TO STA 413+39.46 (WALNUT HILL)
- STA 424+81.40 TO STA 425+34.86 (HURD)
- STA 488+76.75 TO STA 489+37.55 (VALLEY VIEW)

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REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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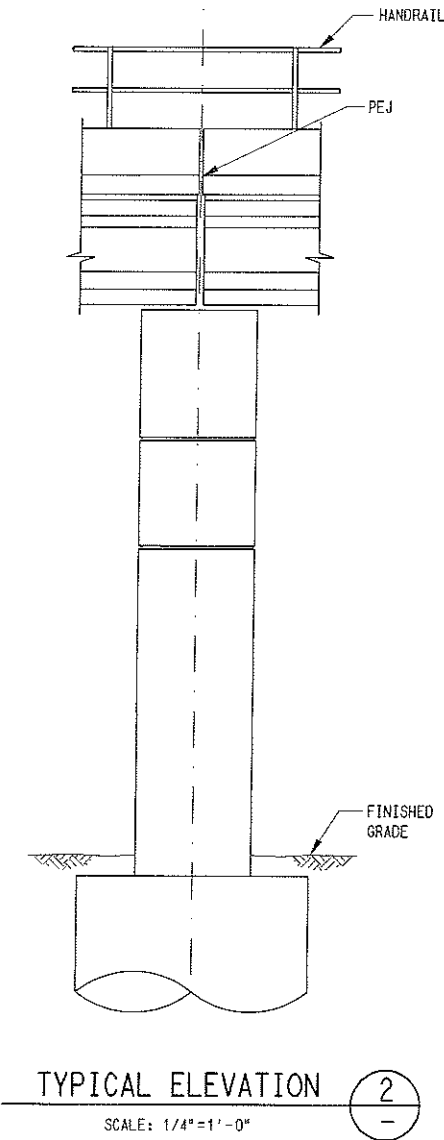
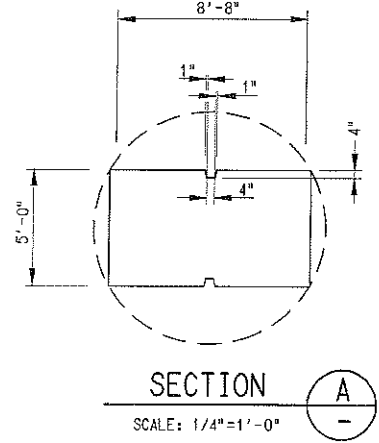
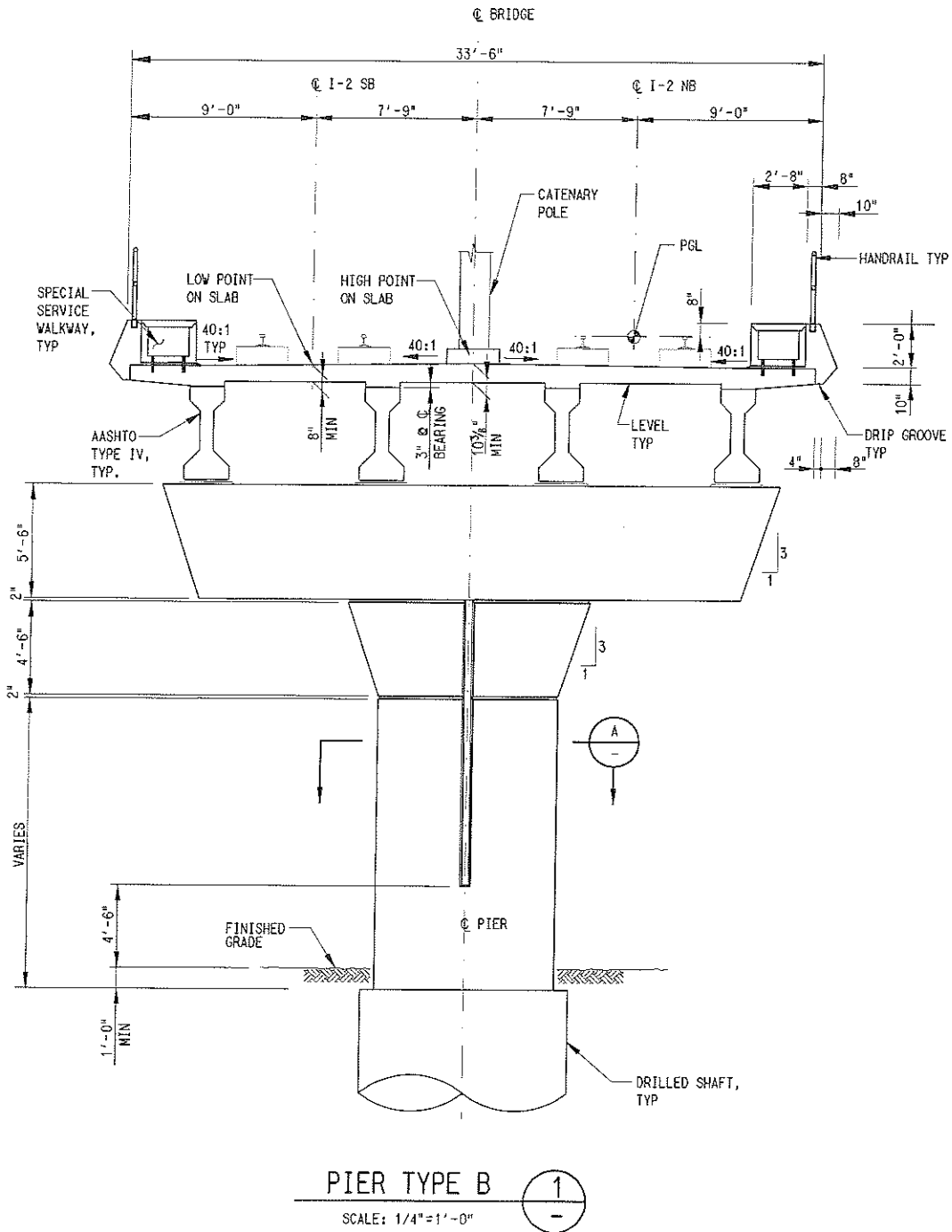
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SCALE	NO SCALE
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY
TYPICAL SECTIONS
SHEET 6

CAES	CONTRACT C-93775-1	DWG No. CC1-7006	REV
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NOTES:
 1. FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS.

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CONTRACT SHEET No. **30** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
TYPICAL SECTION
PIER TYPE B

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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APM & Associates, Inc.
 Engineers • Planners • Surveyors
 100 North Central Expwy. Suite 210
 Dallas, TX. 75201 (214) 748-4888

PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

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SCALE	AS NOTED
DRAWN	T. TAMOS
DESIGNED	M. GHAFAR
CHECKED	A. LIN
IN CHARGE	A. OLABERTAN
DATE	09 MAR 07

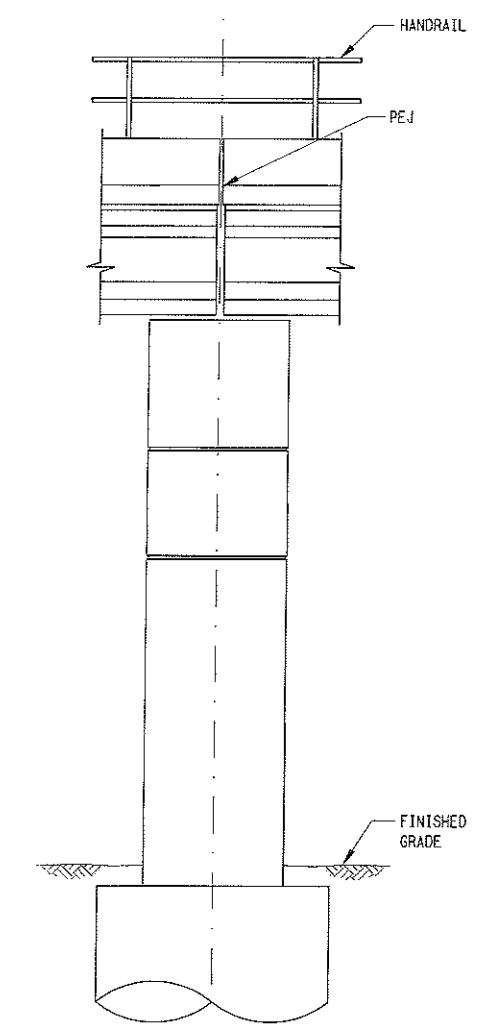
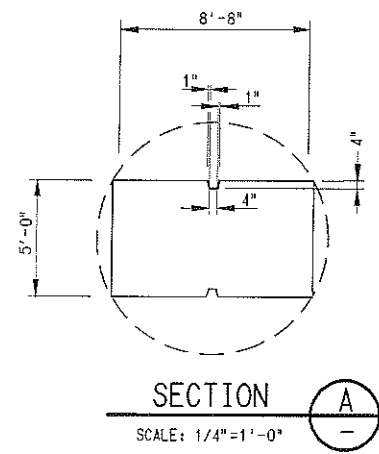
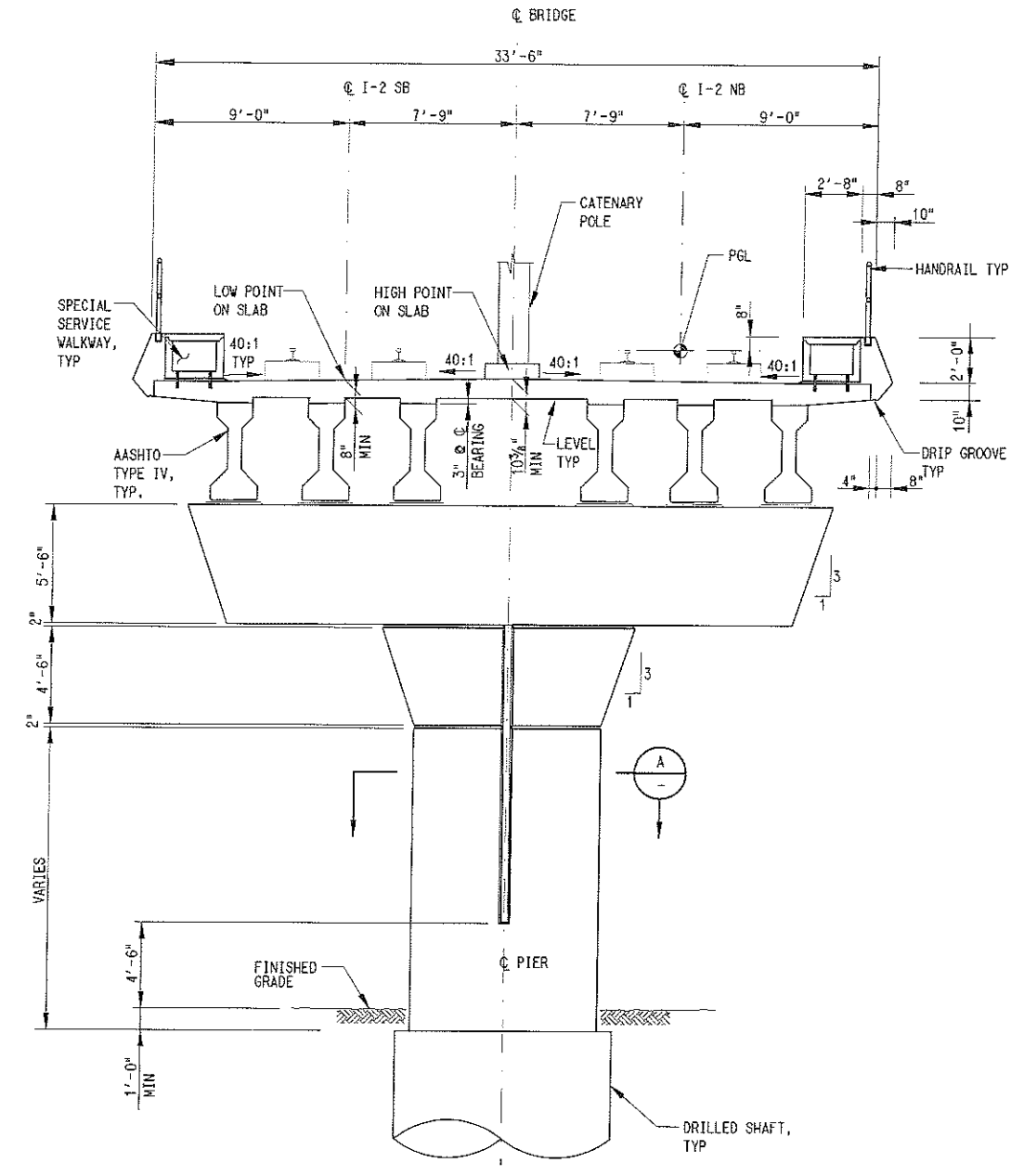
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NOTES:

1. FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS.

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Engineers • Planners • Surveyors

100 North Central Expwy. Suite 210
Dallas, TX 75201 (214) 748-4888

PARSONS

PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY • DALLAS, TX 75248

DART PROJECT

SCALE	AS NOTED
DRAWN	T. TAMOS
DESIGNED	M. GHAFAR
CHECKED	J. LIN
IN CHARGE	A. OLABIKTAN
DATE	09 MAR 07

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CONTRACT SHEET No. **31** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
TYPICAL SECTION
PIER TYPE B1**

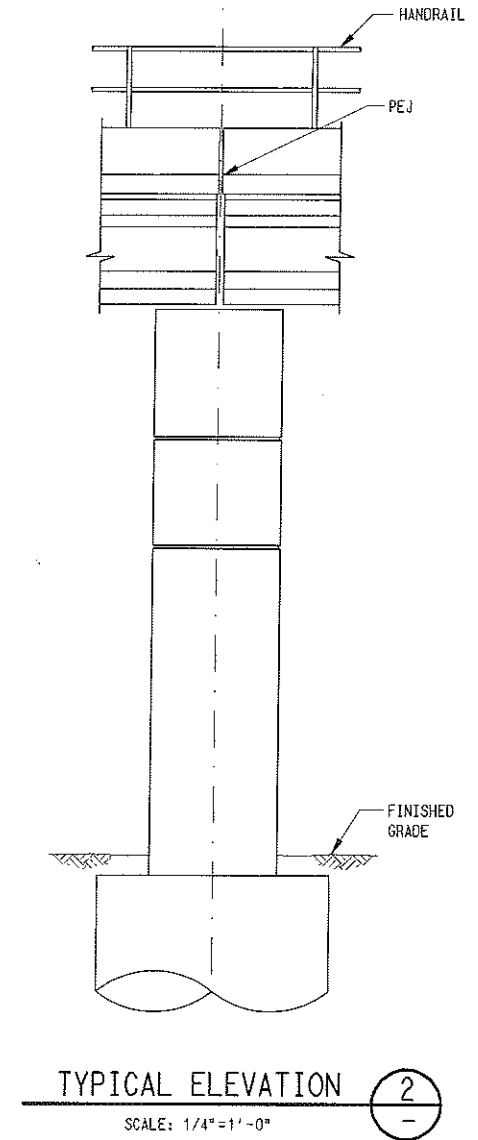
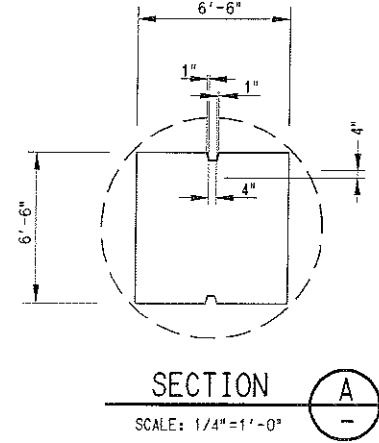
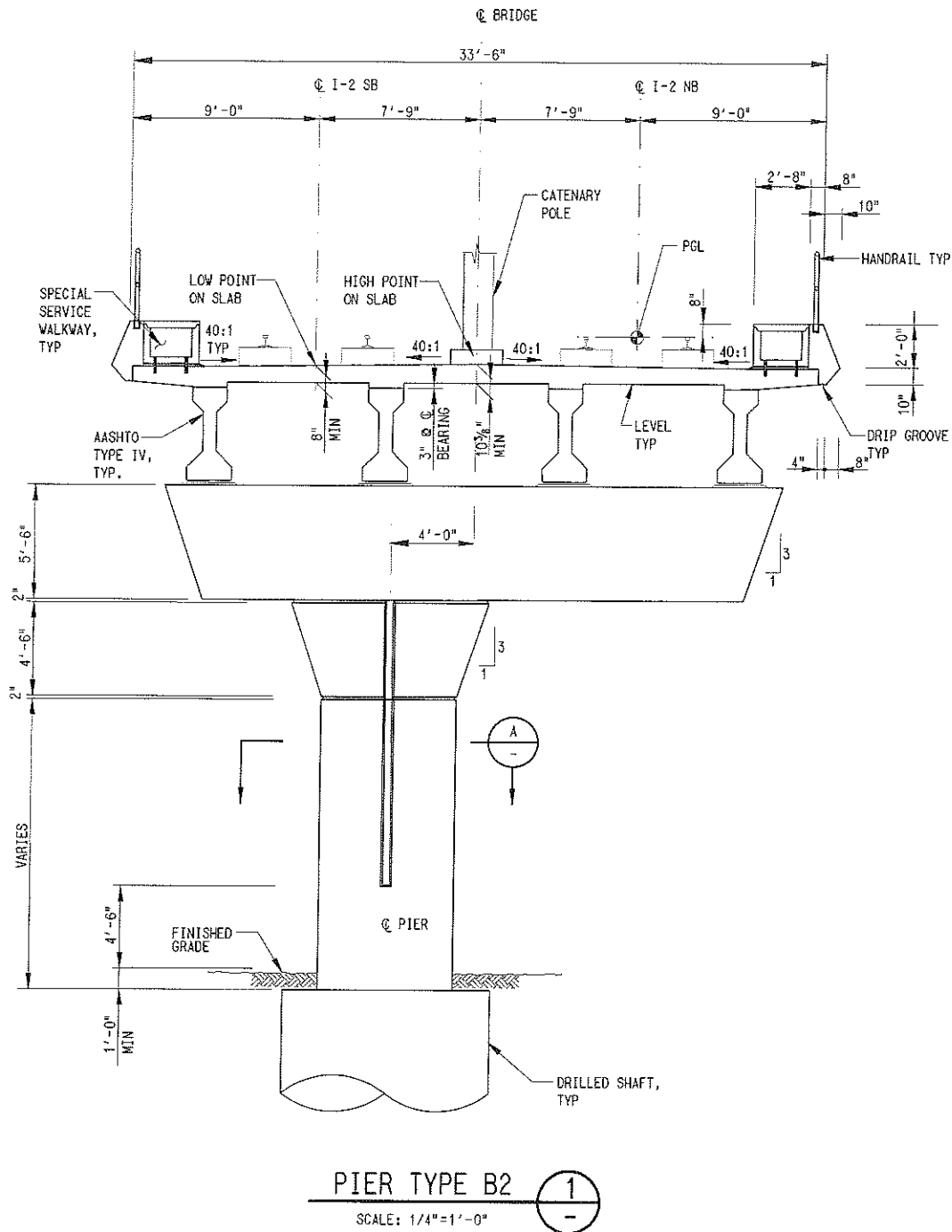
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NOTES:
1. FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS.

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No.	32	OF
LIGHT RAIL TRANSIT SYSTEM LINE SECTION I-2 TYPICAL SECTION PIER TYPE B2		
SCALE	AS NOTED	
DRAWN	T. TAMOS	
DESIGNED	M. GHAFAR	
CHECKED	J. LIN	
IN CHARGE	A. CABANTAN	
DATE	09 MAR 07	
CONTRACT	C-93775-1	DWG No. SC8-7013

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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ON 09 MAR 07

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APM & Associates, Inc.
Engineers • Planners • Surveyors
100 North Central Expwy, Suite 210
Dallas, TX, 75201 (214) 748-4888

PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

DART

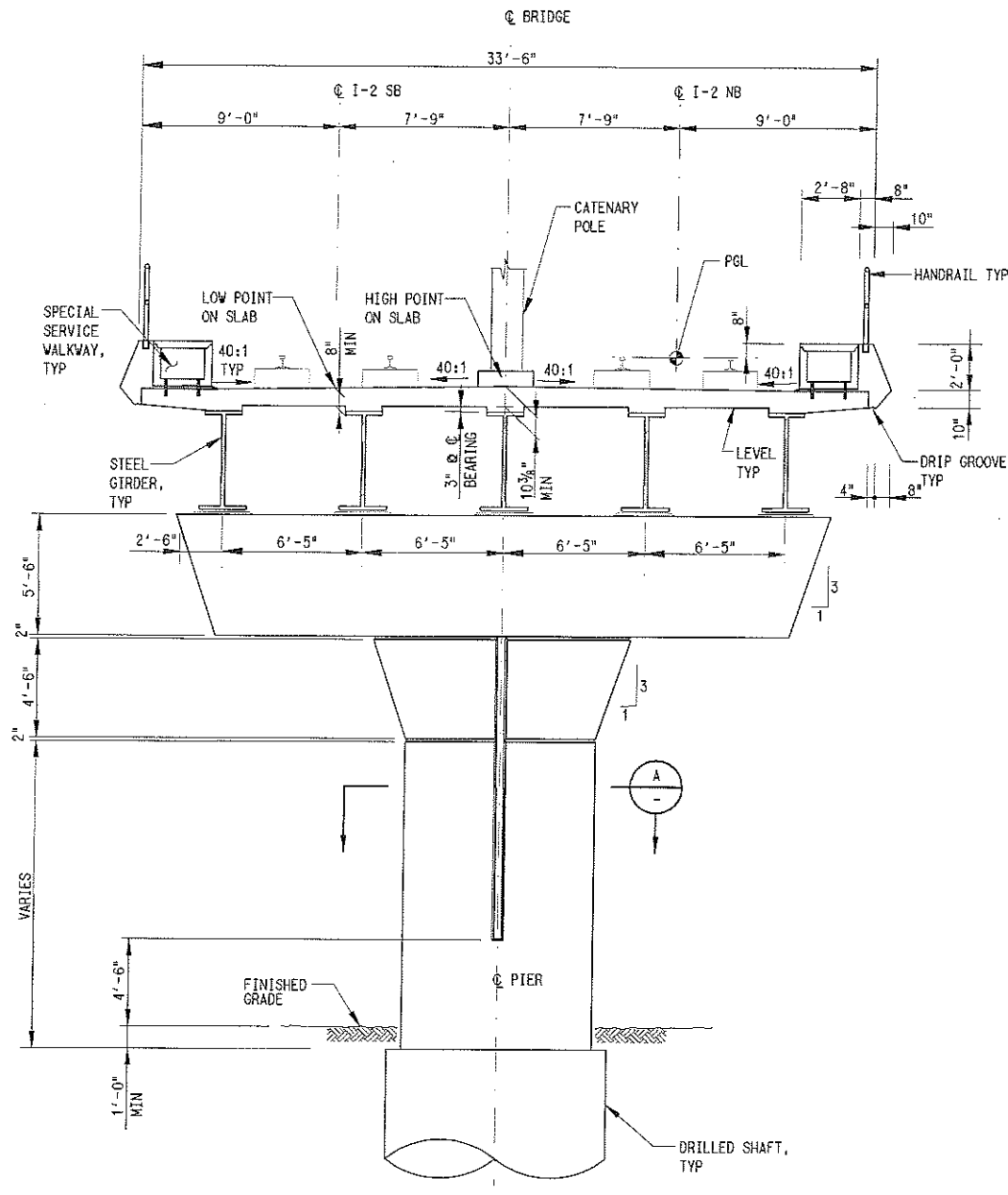
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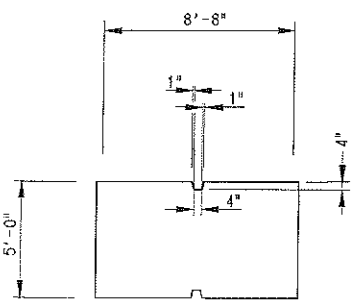
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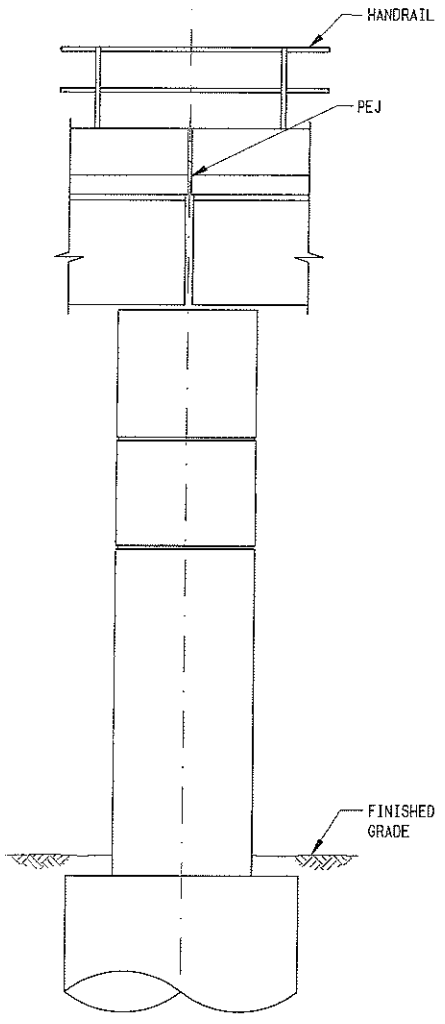
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PIER TYPE D 1
 SCALE: 1/4"=1'-0"



SECTION A A
 SCALE: 1/4"=1'-0"



TYPICAL ELEVATION 2
 SCALE: 1/4"=1'-0"

NOTES:
 1. FOR PROFILE GRADE LINE,
 SEE GUIDEWAY PLAN AND
 PROFILE DRAWINGS.

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **33** OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-2
 TYPICAL SECTION
 PIER TYPE D

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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 Dallas, TX. 75201 (214) 748-4888

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 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	AS NOTED
DRAWN	T. TANOS
DESIGNED	M. GHAFAR
CHECKED	J. LIN
IN CHARGE	A. OLABINTAN
DATE	09 MAR 07

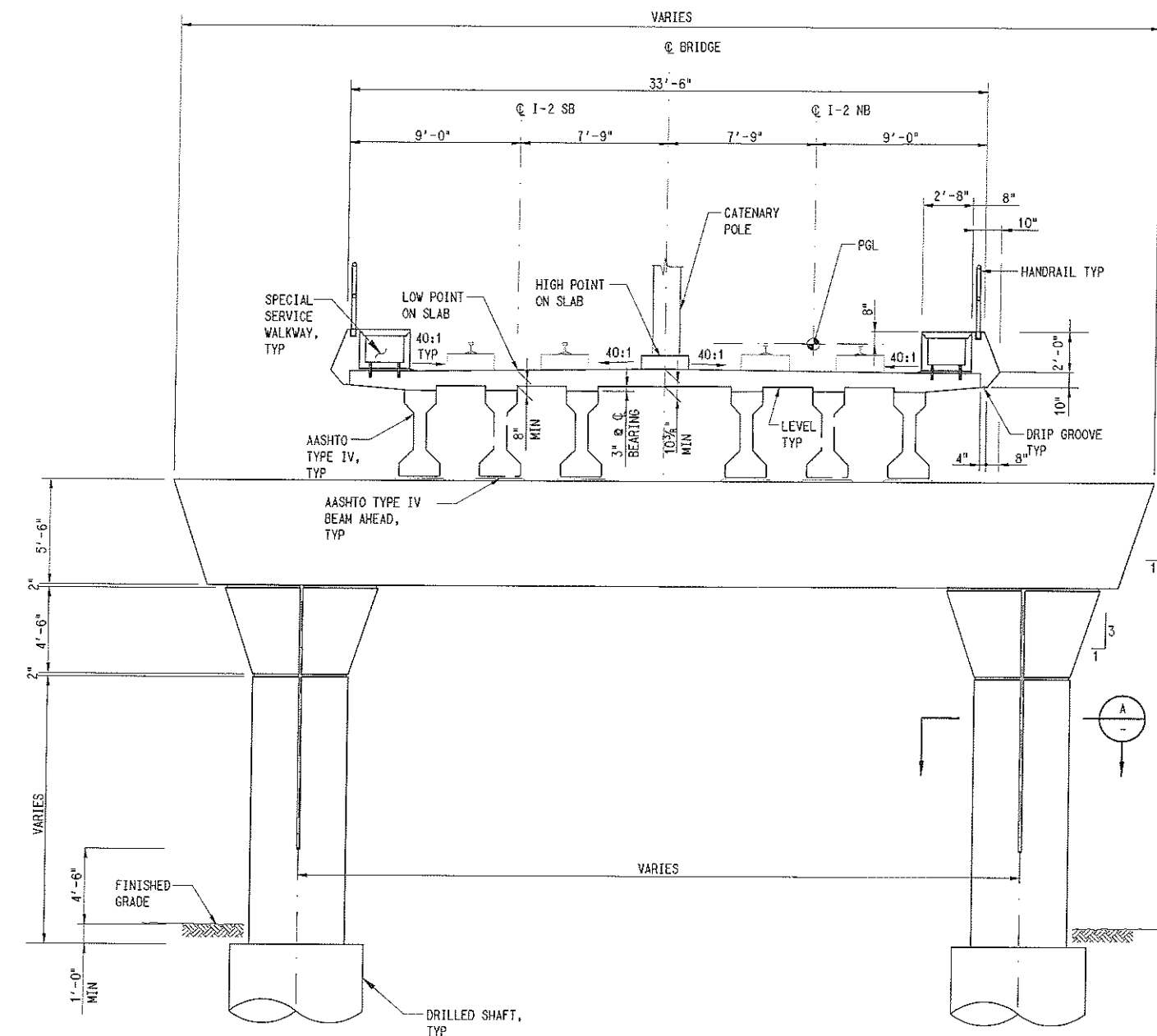
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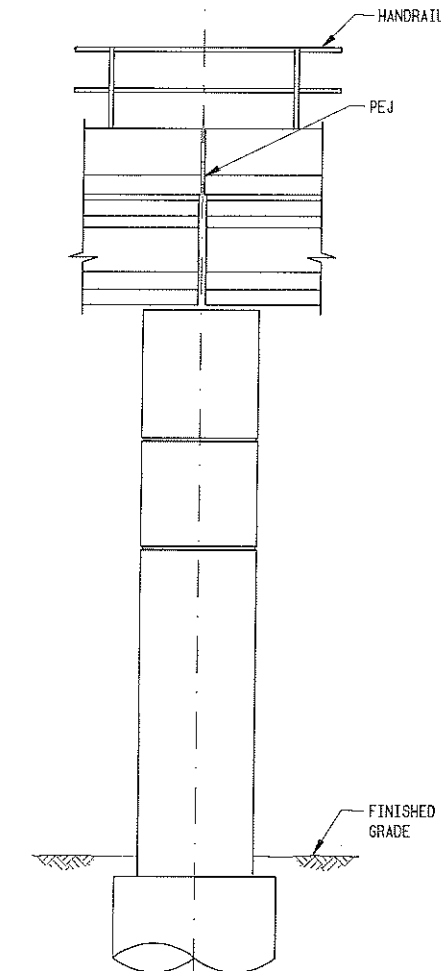
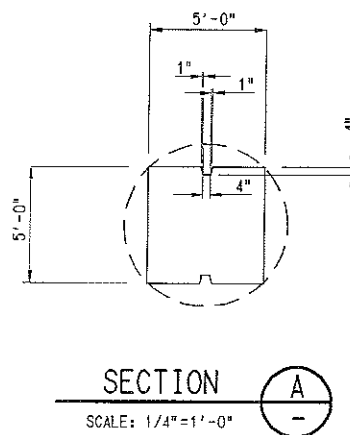
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PIER TYPE C (1)
 SCALE: 1/4"=1'-0"



NOTES:
 1. FOR PROFILE GRADE LINE, SEE GUIDEWAY PLAN AND PROFILE DRAWINGS.

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **34** OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-2
 TYPICAL SECTION
 PIER TYPE C

IN-PROGRESS

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 Engineers • Planners • Surveyors
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 Dallas, TX. 75201 (214) 748-4888

PARSONS
 PARSONS TRANSPORTATION GROUP, INC
 15770 N. DALLAS PKVY - DALLAS, TX 75248

DART PROJECT



SCALE	AS NOTED
DRAWN	T. TAMOS
DESIGNED	M. GHAFAR
CHECKED	J. LIN
IN CHARGE	A. GLASBEAN
DATE	09 MAR 07



CONTRACT C-93775-1
 DWG No. SC8-7015
 REV

SHEET DELETED

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NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **35** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

HIDDEN RIDGE DRIVE STRUCTURE
TYPICAL SECTIONS

REV	△	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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MERDAD N. GHAFAR, P.E. NO. 56192
ON 01 MAY 08

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100 North Central Expwy. Suite 210
Dallas, TX. 75201 (214) 748-4888

PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT



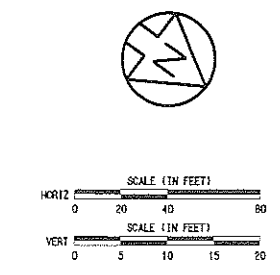
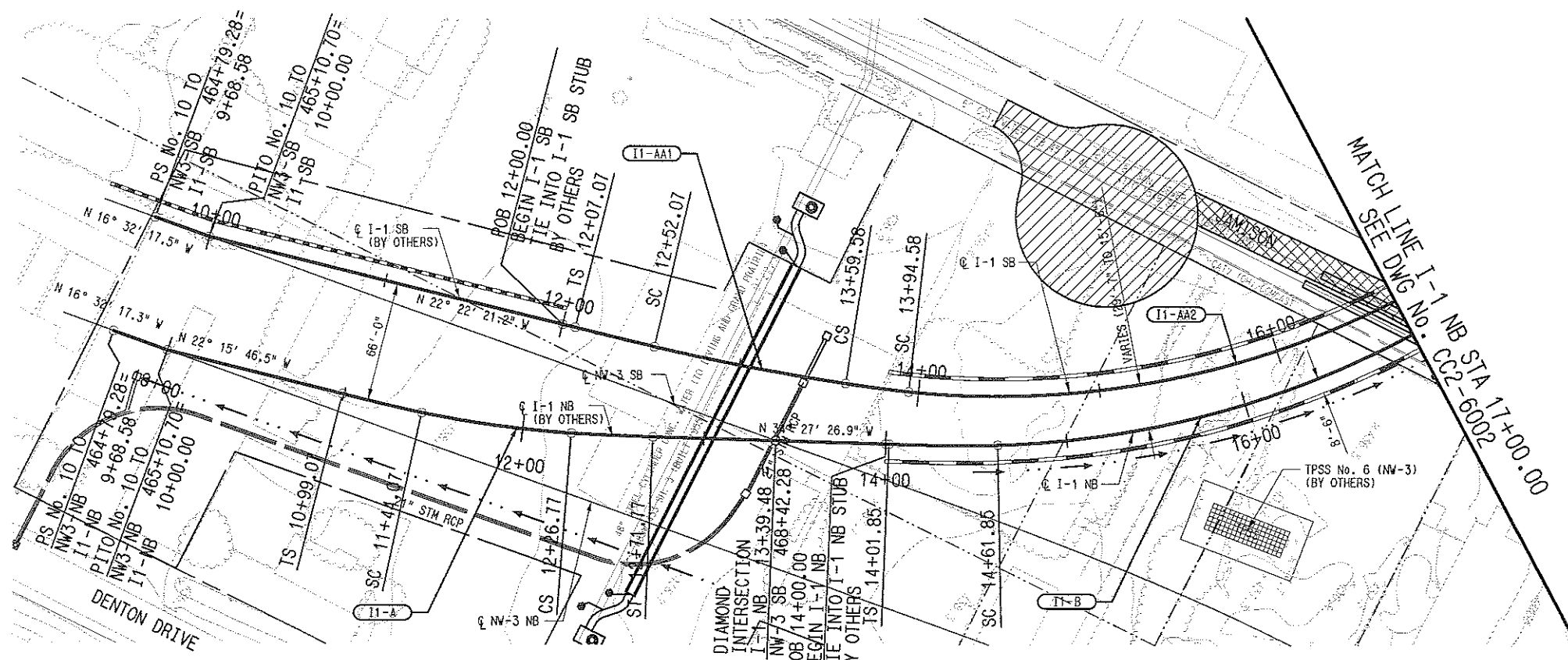
SCALE	NO SCALE
DRAWN	T. TAMOS
DESIGNED	M. GHAFAR
CHECKED	J. CHEN
IN CHARGE	A. OLABITAN
DATE	01 MAY 08



CONTRACT
C-93775-1

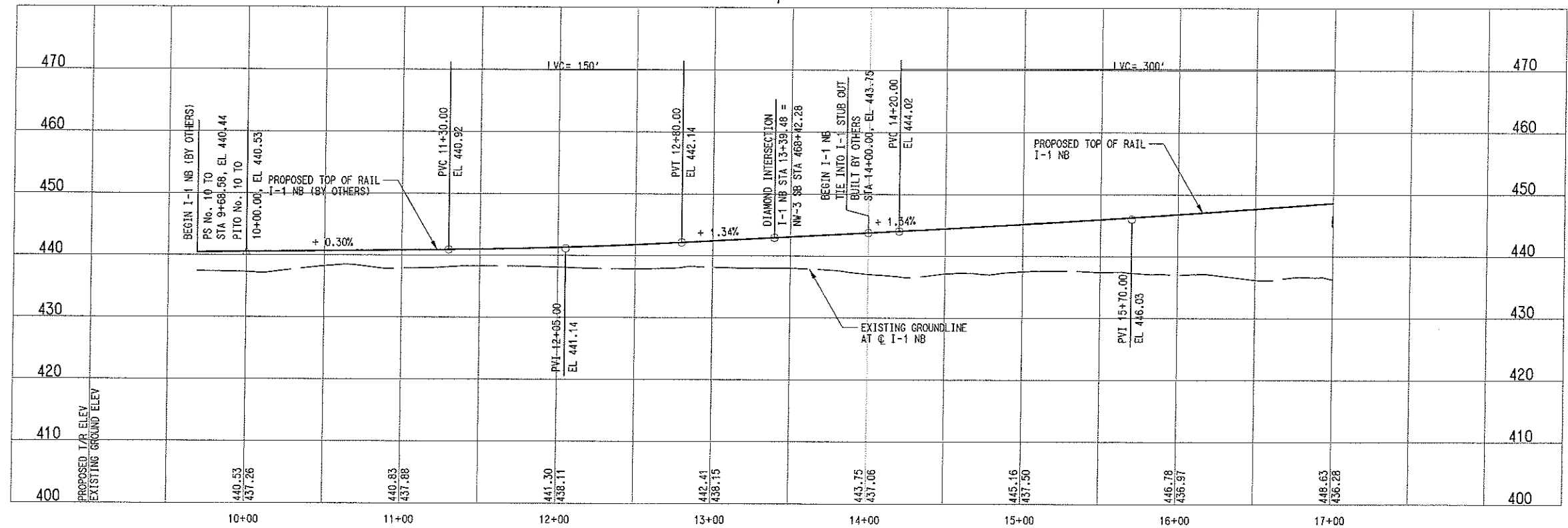
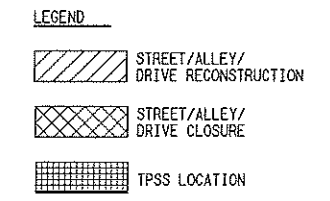
DWG No.
SC8-7016

REV



I-1-A (NB)		I-1-B (NB)		I-1-AA1 (SB)		I-1-AA2 (SB)	
Rc=	600.00'	Rc=	510.00'	Rc=	1440.00'	Rc=	480.00'
Ls=	45.00'	Ls=	60.00'	Ls1=	45.00'	Ls1=	35.00'
Lc=	82.70'	Lc=	682.47'	Ls2=	35.00'	Ls2=	70.00'
Ea=	1.25°	Ea=	1.75°	Lc=	107.52'	Lc=	698.36'
Eu=	1.42°	Eu=	1.39°	Ea=	1.00°	Ea=	2.00°
V=	20 MPH	V=	20 MPH	Eu=	1.50°	Eu=	1.33°
				V=	30 MPH	V=	20 MPH

- NOTES:
- PROPOSED TPSS LOCATIONS ARE PRELIMINARY. FINAL DESIGNER SHALL COORDINATE THE FINAL LOCATIONS.
 - SEE DWG NO. CC2-6037 FOR SB PROFILE.
 - SEE EXISTING UTILITY COMPOSITE SHEETS FOR EXISTING UTILITY INFORMATION.
 - SEE UTILITY MODIFICATION SHEETS FOR UTILITY MODIFICATIONS.



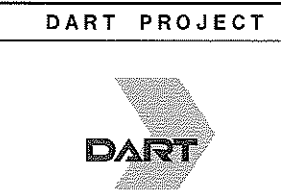
NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **36** OF

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 BRN, RAIVARIBART1.000, 6-10-05-17
 SITE, RAIVARIBART1.000, 1-25-02-34-82
 CIVL, RAIVARIBART1.000, 1-25-01-01
 GULP, RAIVARIBART1.000, 1-25-01-01
 DOW, RAIVARIBART1.000, 1-15-11-23-25-27-31-47-48
 MODIFY, RAIVARIBART1.000, 2-30-30-33-37-51
 TUPRI, RAIVARIBART1.000, 2-5-08-11-13-18-20-21-25-28-31-35-36-40-52
 PSM, RAIVARIBART1.000, 1-4-17-14-16-01
 UTL, RAIVARIBART1.000, 1-19-21-60
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 3/26/2007
 CPY-DART

IN-PROGRESS

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JOHN TIPTON, P.E. NO. 61157
ON 09 MAR 07
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SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

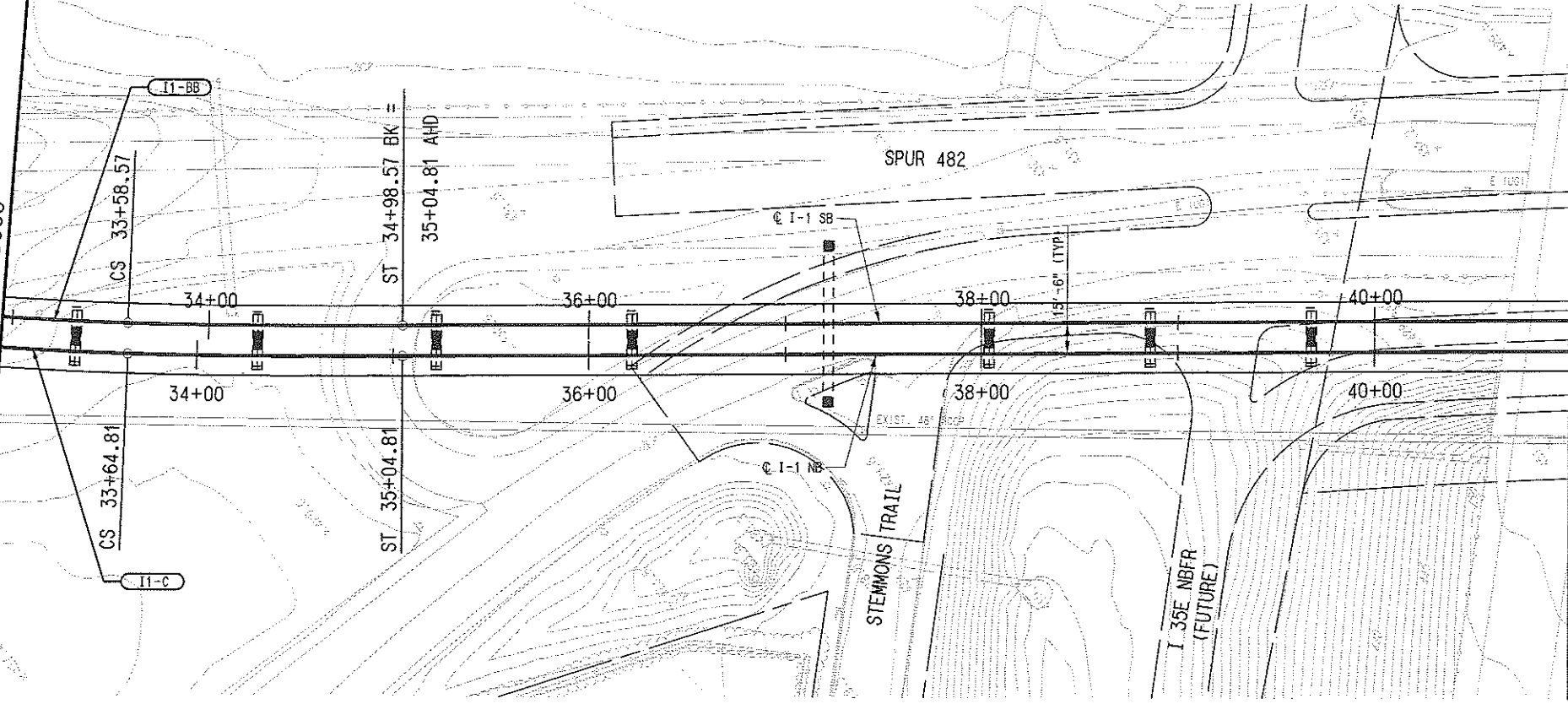
**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
BEGINNING TO STA 17+00**

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

CONTRACT	C-93775-1	DWG No.	CC2-6001	REV	
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MATCH LINE I-1 NB STA 33+00.00
SEE DWG No. CC2-6003

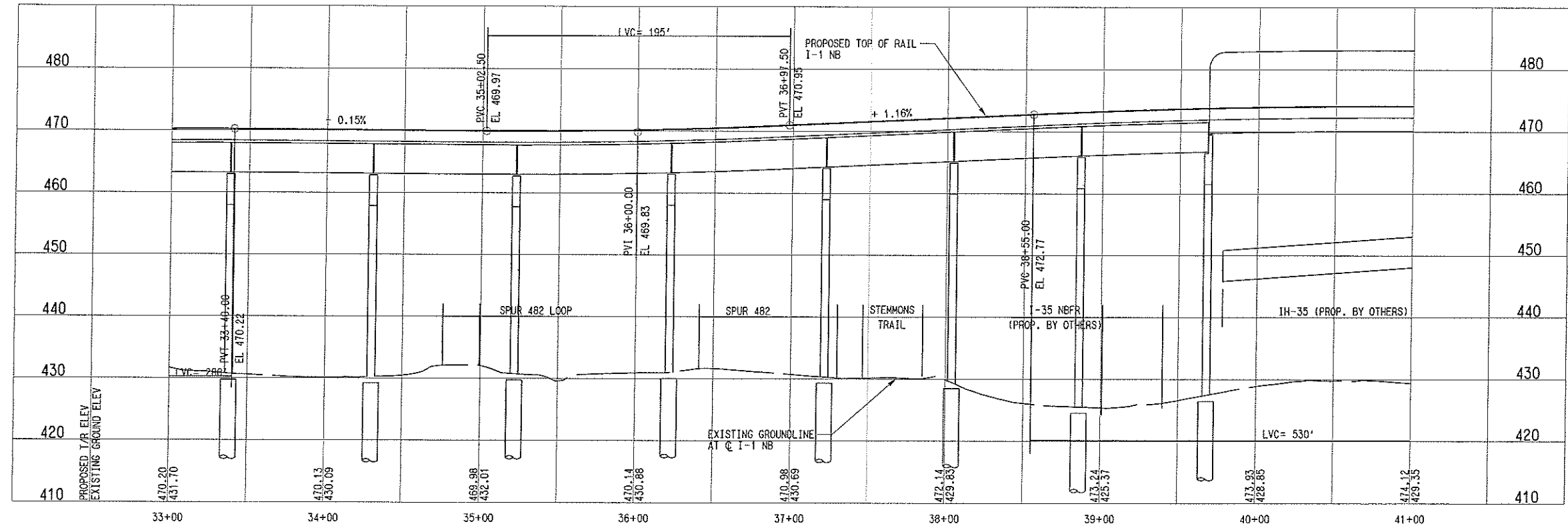
MATCH LINE I-1 NB STA 41+00.00
SEE DWG No. CC2-6005



I-1-C (NB)	
Rc=	1925.50'
Ls=	140.00'
Lc=	635.03'
Ea=	2.75°
Eu=	1.46°
V=	45 MPH

I-1-BB (SB)	
Rc=	1910.00'
Ls=	140.00'
Lc=	628.79'
Ea=	2.75°
Eu=	1.49°
V=	45 MPH

NOTES:
1. FINAL DESIGNER SHALL COORDINATE WITH TXDOT'S DESIGN OF IH-35 IMPROVEMENTS.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **39** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
STA 33+00 TO STA 41+00

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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07



CONTRACT C-93775-1
DWG No. CC2-6004

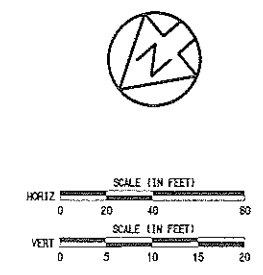
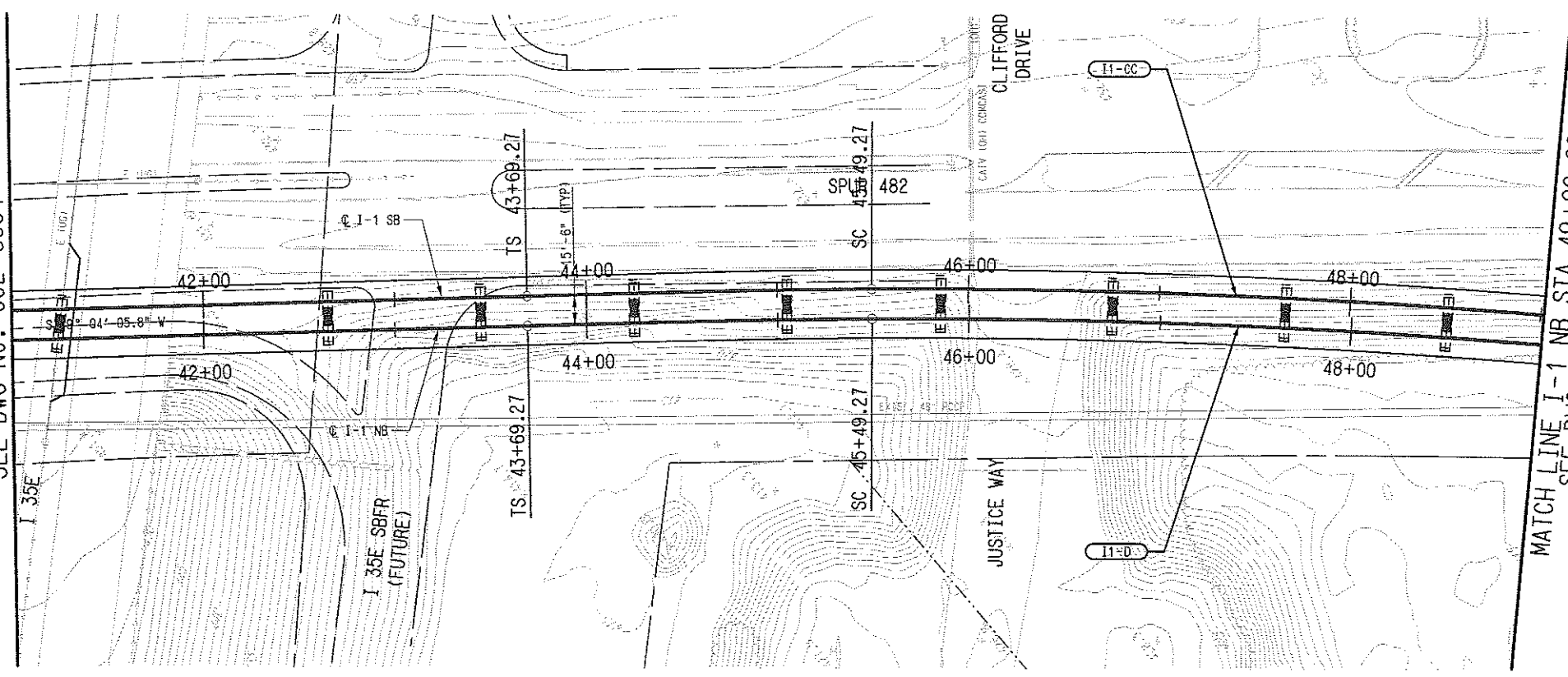
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 P001, RA11X1410001.DWG, 1-4-7-14-16-61
 U11L, RA11X1410001.DWG, 1-19-21-60

A12K, RA11X1410001.DWG, 1-45-47-60
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 S17C, RA11X1410001.DWG, 1-3-5-32-34-62
 CIVL, RA11X1410001.DWG, 1-3-61
 U11P, RA11X1410001.DWG, 1-51

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

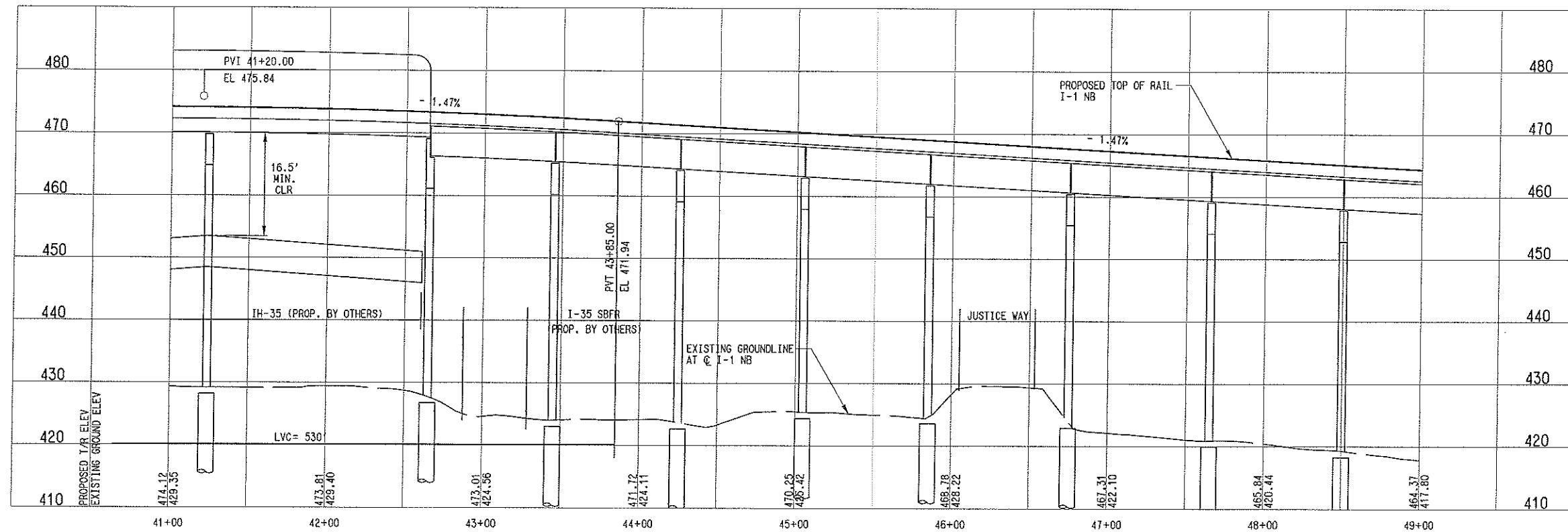
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SEE DWG No. CC2-6004

MATCH LINE I-1 NB STA 49+00.00
SEE DWG No. CC2-6006



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Rc=	3980.00'	Rc=	3995.50'
Ls=	180.00'	Ls=	180.00'
Lc=	461.61'	Lc=	464.11'
Ea=	2.75°	Ea=	2.75°
Eu=	1.50°	Eu=	1.48°
V=	65 MPH	V=	65 MPH

NOTES:
1. FINAL DESIGNER SHALL COORDINATE WITH TXDOT'S DESIGN OF IH-35 IMPROVEMENTS.



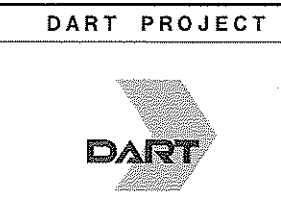
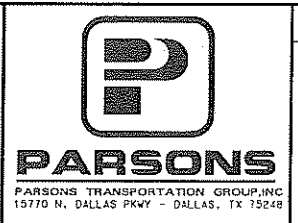
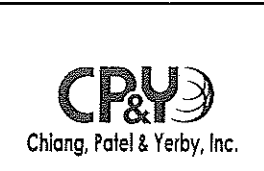
NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **40** OF

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 BRPL, RAJIAVIRI000, 6-10-15-17
 SITE, RAJIAVIRI000, 1-15-22,24-26
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 PSM, RAJIAVIRI000, 1-4-17-14,16-61
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REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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ON 09 MAR 07
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SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

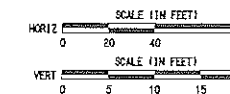
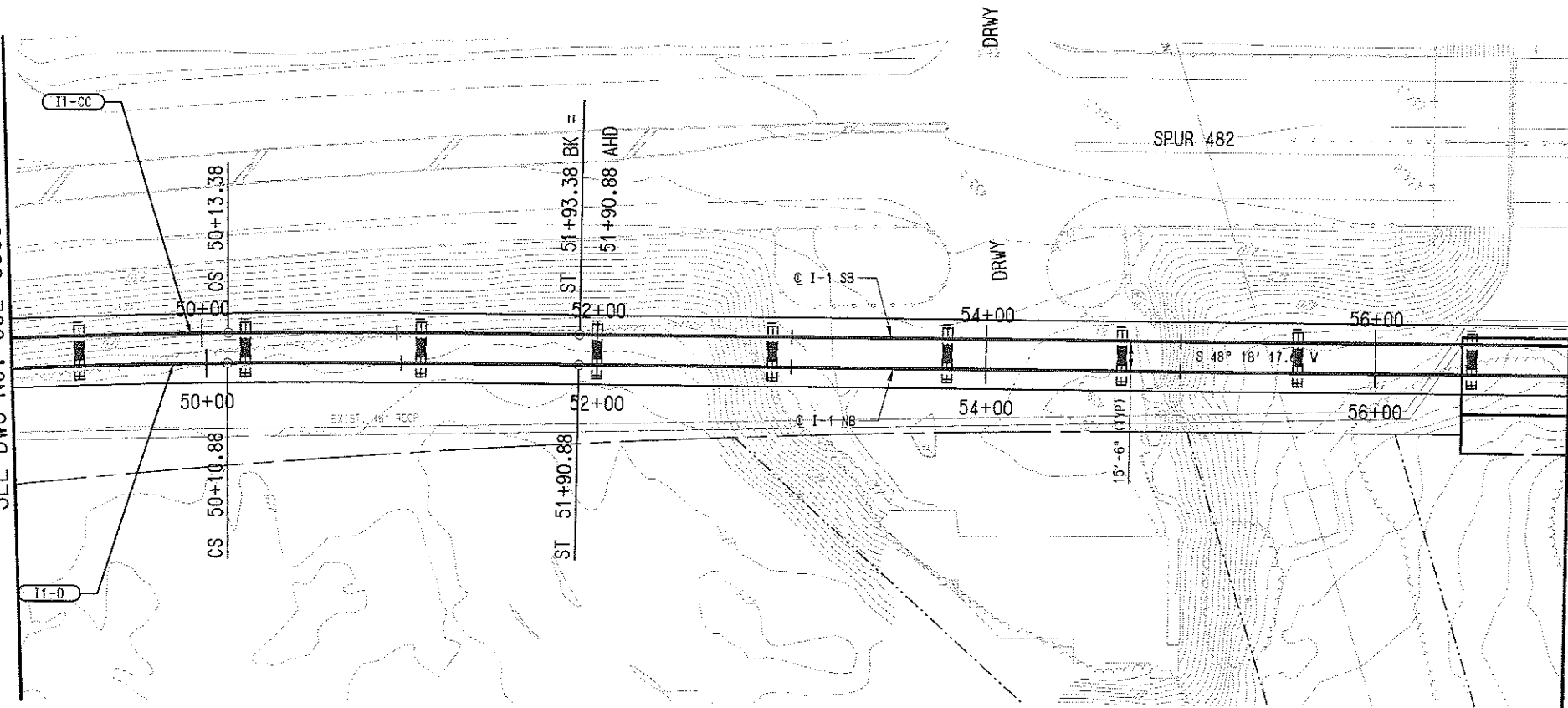
**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1**
GUIDEWAY PLAN AND PROFILE
STA 41+00 TO STA 49+00

CONTRACT C-93775-1
DWG No. CC2-6005

REV

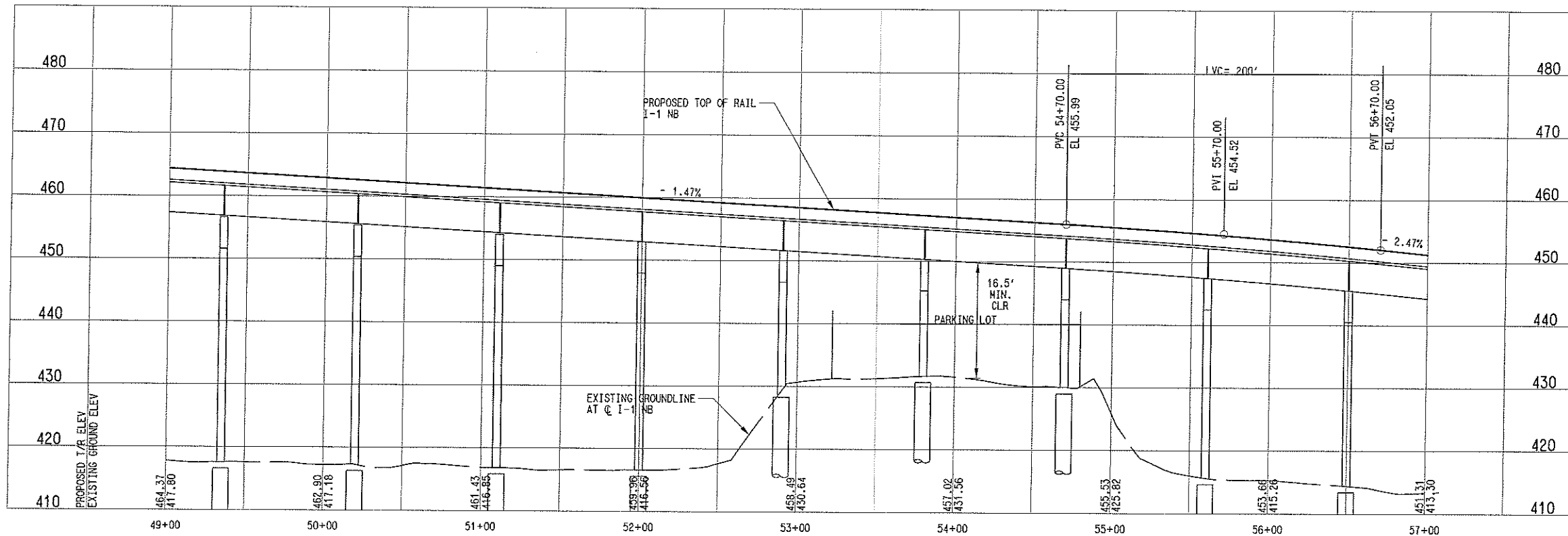
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SEE DWG No. CC2-6005

MATCH LINE I-1 NB STA 57+00.00
SEE DWG No. CC2-6007



I1-D (NB)		I1-CC (SB)	
Rc=	3980.00'	Rc=	3995.50'
Ls=	180.00'	Ls=	180.00'
Lc=	461.61'	Lc=	464.11'
Ea=	2.75°	Ea=	2.75°
Ey=	1.50°	Ey=	1.48°
V=	65 MPH	V=	65 MPH

- NOTES:
- FINAL DESIGNER SHALL COORDINATE WITH THE U.S. ARMY CORPS OF ENGINEERS FOR FINAL PIER PLACEMENT WITHIN THE TRINITY RIVER FLOOD PLAIN.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **41** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1

GUIDEWAY PLAN AND PROFILE
STA 49+00 TO STA 57+00

CONTRACT C-93775-1 DWG No. CC2-6006 REV

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 PSM. RAJIVR1001.000, 1-4, 7-14, 16-61
 UTIL. RAJIVR1001.000, 1-19, 21-60
 BR. RAJIVR1001.000, 1-45, 47-60
 SIE. RAJIVR1001.000, 6-10, 15-17
 CHL. RAJIVR1001.000, 1-3, 5-35, 34-62
 CIVL. RAJIVR1001.000, 1-3-61

REV	AMEND	GR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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CP&Y
Chiang, Patel & Yerby, Inc.

PARSONS
PARSONS TRANSPORTATION GROUP, INC.
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE AS SHOWN
DRAWN R. THOMPSON
DESIGNED R. THOMPSON
CHECKED J. TIPTON
IN CHARGE J. TIPTON
DATE 09 MAR 07

GAES

CONTRACT C-93775-1 DWG No. CC2-6006 REV

PLANVIEW
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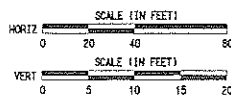
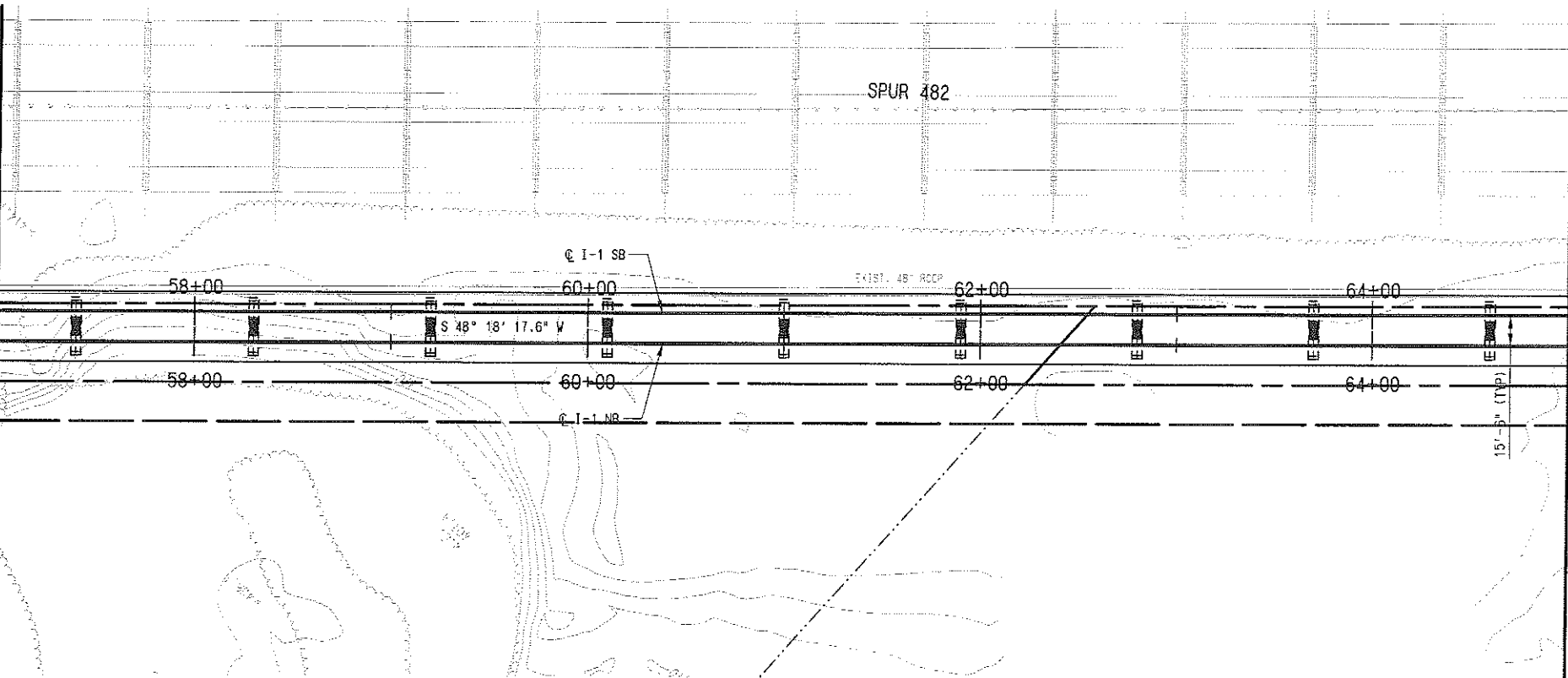
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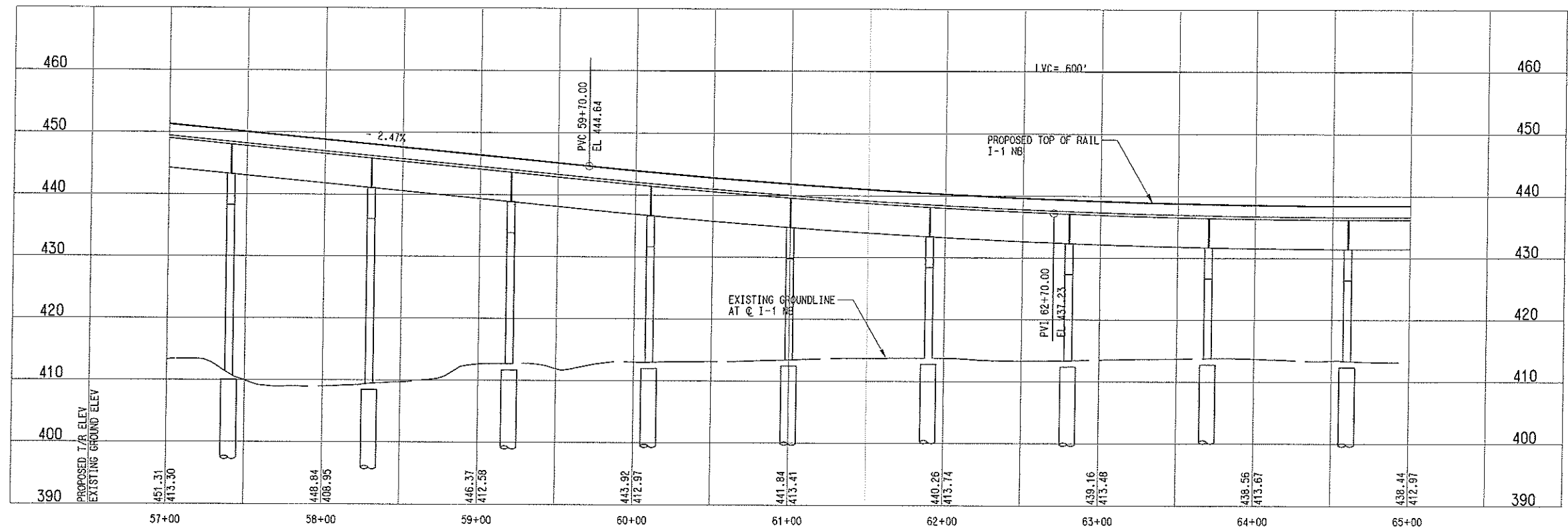
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012, BART\I-1\I-1-1.dwg, 1-15-61

MATCH LINE I-1 NB STA 57+00.00
SEE DWG No. CC2-6006

MATCH LINE I-1 NB STA 65+00.00
SEE DWG No. CC2-6008



NOTES:
1. FINAL DESIGNER SHALL COORDINATE WITH THE U.S. ARMY CORPS OF ENGINEERS FOR FINAL PIER PLACEMENT WITH THE TRINITY RIVER FLOOD PLAIN.



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CONTRACT SHEET No. 42 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
STA 57+00 TO STA 65+00

IN-PROGRESS

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ON 09 MAR 07
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DART PROJECT



Table with project details: SCALE (AS SHOWN), DRAWN (R. THOMPSON), DESIGNED (R. THOMPSON), CHECKED (J. TIPTON), IN CHARGE (J. TIPTON), DATE (09 MAR 07).

GAES CONTRACT C-93775-1 DWG No. CC2-6007 REV

Revision table with columns: REV, AMEND, CR, DATE, DESCRIPTION, BY, ENG, CHK, APP.

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3/27/2007
CPY-DRT

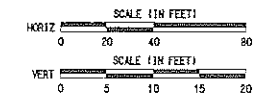
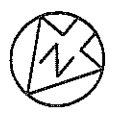
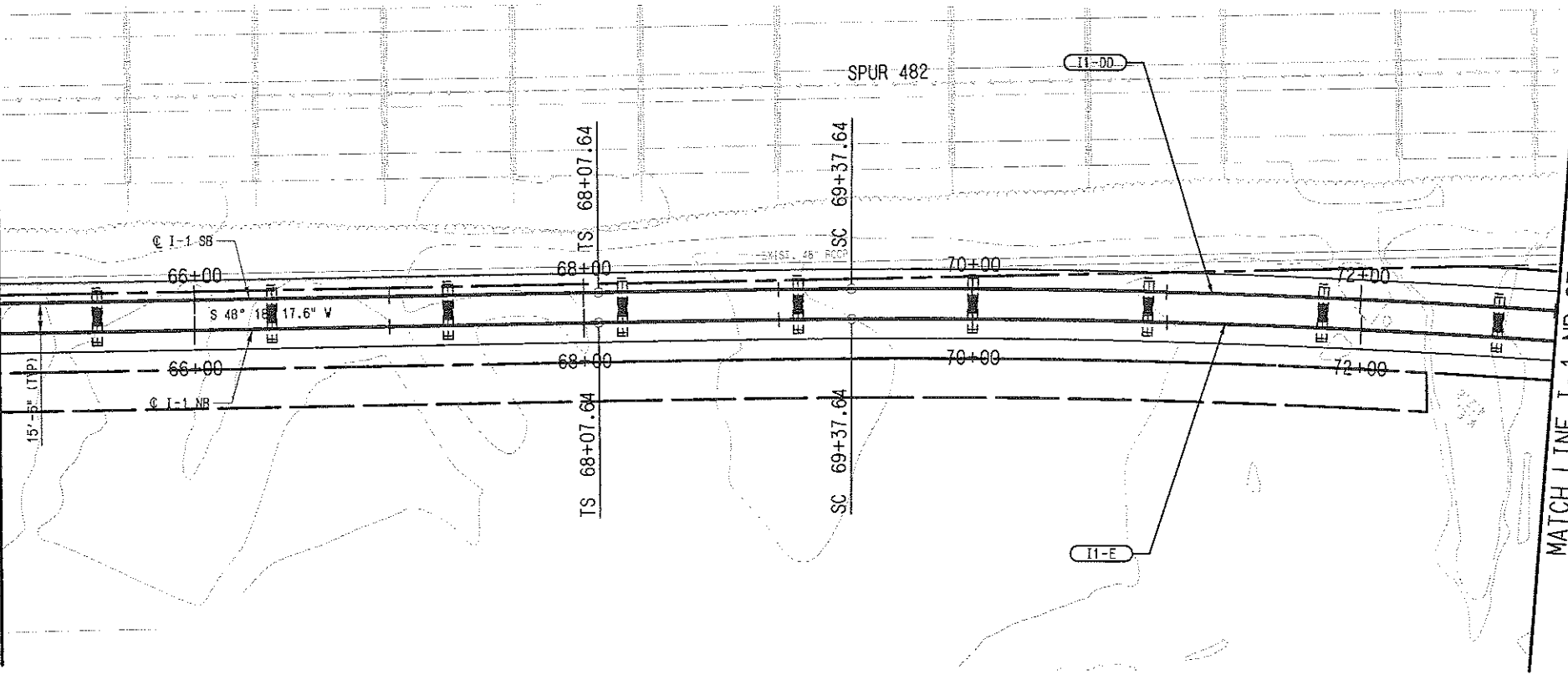
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MODIFY: R:\1\149\p\c\1-e\1\149\00.dwg, 2/30/26/37/61
DUPD: R:\1\149\p\c\1-e\1\149\00.dwg, 2/5/8/11/13/16/20/21/23/29/31/35/36/49/52
PTN: R:\1\149\p\c\1-e\1\149\00.dwg, 1/4/7/14/16/61
UTL: R:\1\149\p\c\1-e\1\149\00.dwg, 1/19/21/80

ALBK: R:\1\149\p\c\1-e\1\149\00.dwg, 1/4/5/47/69
BRK: R:\1\149\p\c\1-e\1\149\00.dwg, 6/10/15/17
STK: R:\1\149\p\c\1-e\1\149\00.dwg, 1/3/3/34/46
GVL: R:\1\149\p\c\1-e\1\149\00.dwg, 1/3/61
DULP: R:\1\149\p\c\1-e\1\149\00.dwg, 1/61

MATCH LINE I-1 NB STA 65+00.00
SEE DWG No. CC2-6007

MATCH LINE I-1 NB STA 73+00.00
SEE DWG No. CC2-6009



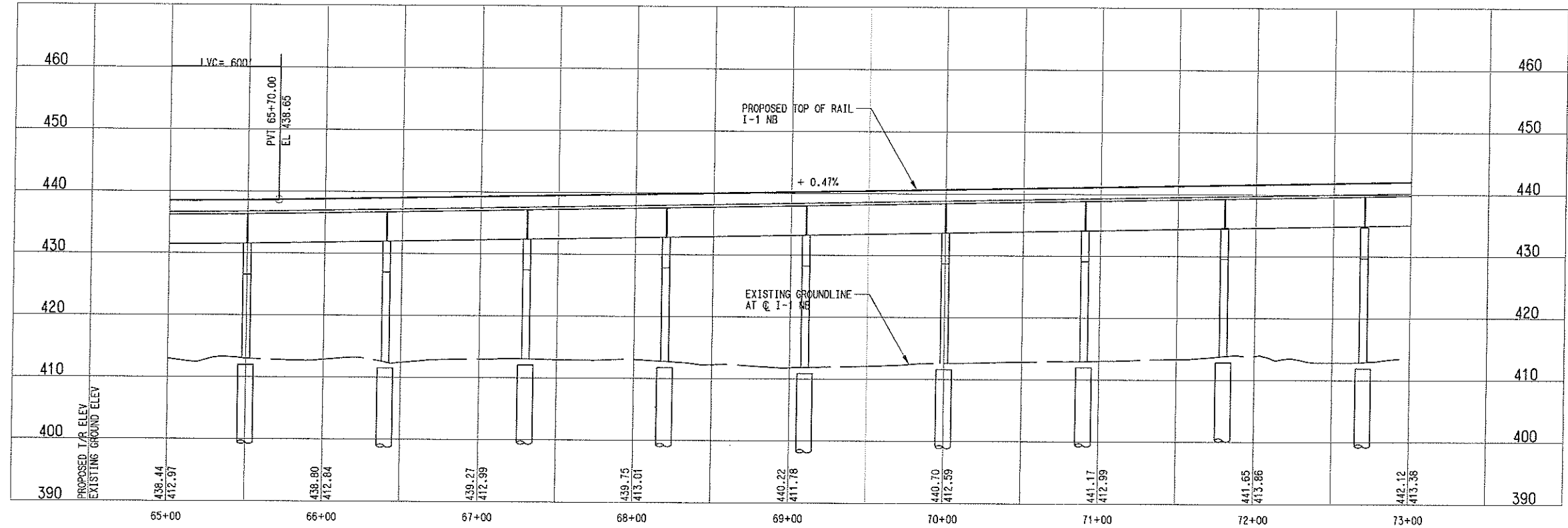
I1-E (NB)

Rc=	4830.00'
Ls=	130.00'
Lc=	383.59'
Ea=	2.00'
Eu=	1.50'
V=	65 MPH

I1-00 (SB)

Rc=	4845.50'
Ls=	130.00'
Lc=	385.24'
Ea=	2.00'
Eu=	1.49'
V=	65 MPH

NOTES:
1. FINAL DESIGNER SHALL COORDINATE WITH THE U.S. ARMY CORPS OF ENGINEERS FOR FINAL PIER PLACEMENT WITH THE TRINITY RIVER FLOOD PLAIN.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **43** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
STA 65+00 TO STA 73+00

IN-PROGRESS

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JOHN TIPTON, P.E. NO. 61157
ON 09 MAR 07
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DART PROJECT



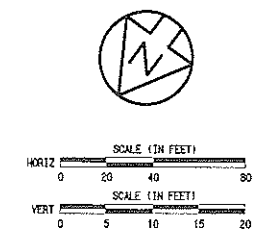
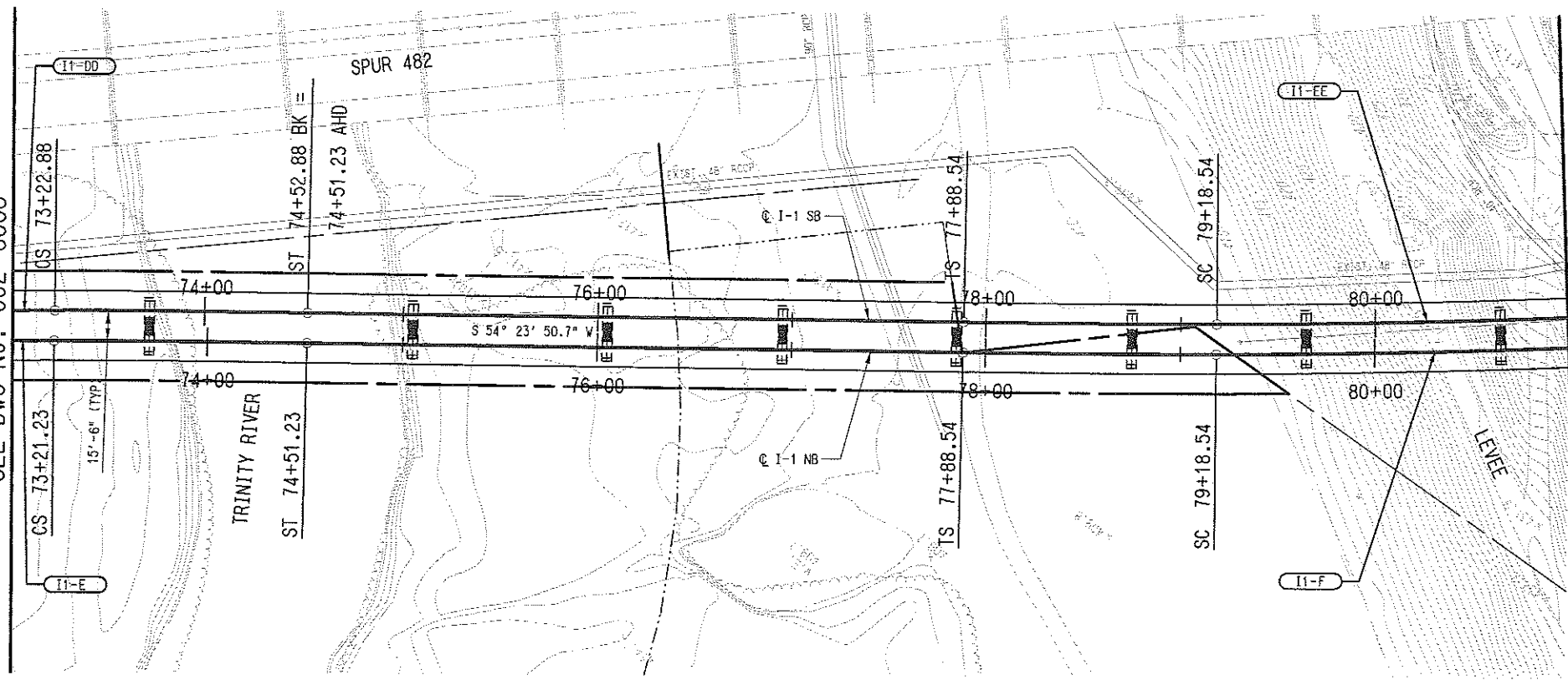
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. CC2-6008

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

MATCH LINE I-1 NB STA 73+00.00
SEE DWG No. CC2-6008

MATCH LINE I-1 NB STA 81+00.00
SEE DWG No. CC2-6010



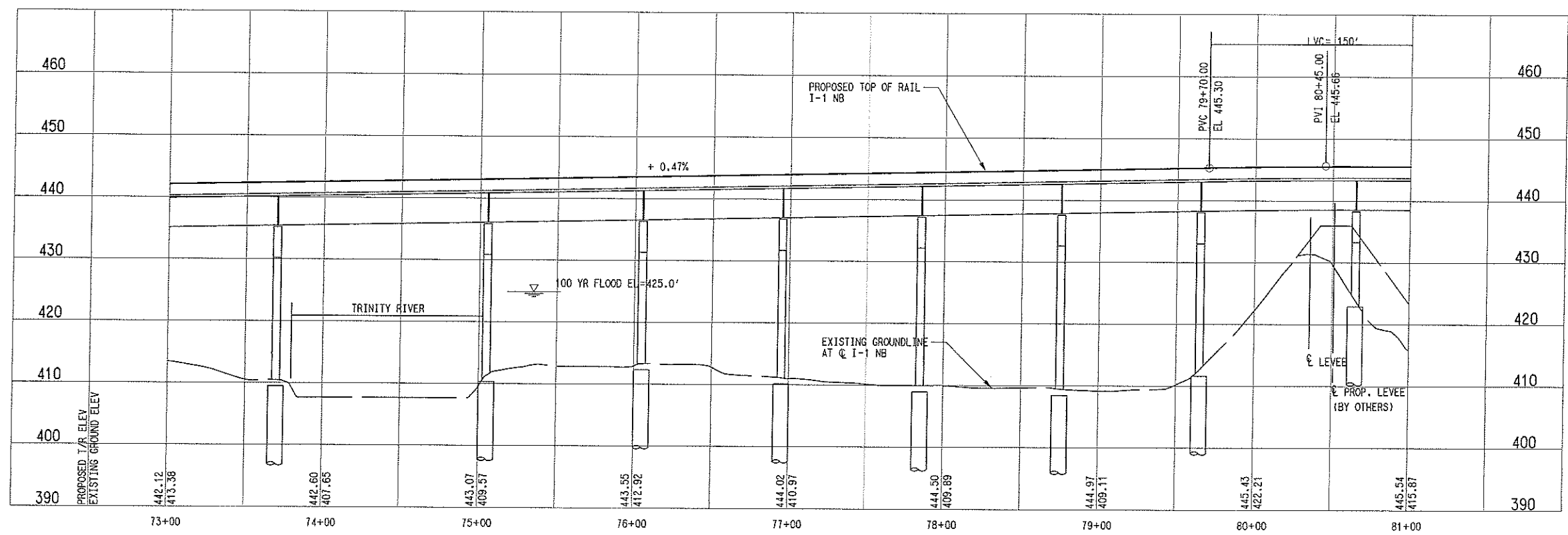
I1-E (NB)	
Rc=	4830.00'
Ls=	130.00'
Lc=	383.59'
Ea=	2.00"
Eu=	1.50"
V=	65 MPH

I1-DD (SB)	
Rc=	4845.50'
Ls=	130.00'
Lc=	385.24'
Ea=	2.00"
Eu=	1.49"
V=	65 MPH

I1-F (NB)	
Rc=	4845.50'
Ls=	130.00'
Lc=	391.65'
Ea=	2.00"
Eu=	1.49"
V=	65 MPH

I1-EE (SB)	
Rc=	4830.00'
Ls=	130.00'
Lc=	389.99'
Ea=	2.00"
Eu=	1.50"
V=	65 MPH

NOTES:
1. FINAL DESIGNER SHALL COORDINATE WITH THE U.S. ARMY CORPS OF ENGINEERS FOR FINAL PIER PLACEMENT WITH THE TRINITY RIVER FLOOD PLAIN.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **44** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1**

**GUIDEWAY PLAN AND PROFILE
STA 73+00 TO STA 81+00**

CONTRACT	C-93775-1	DWG No.	CC2-6009	REV
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IN-PROGRESS

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ON 09 MAR 07

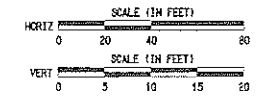
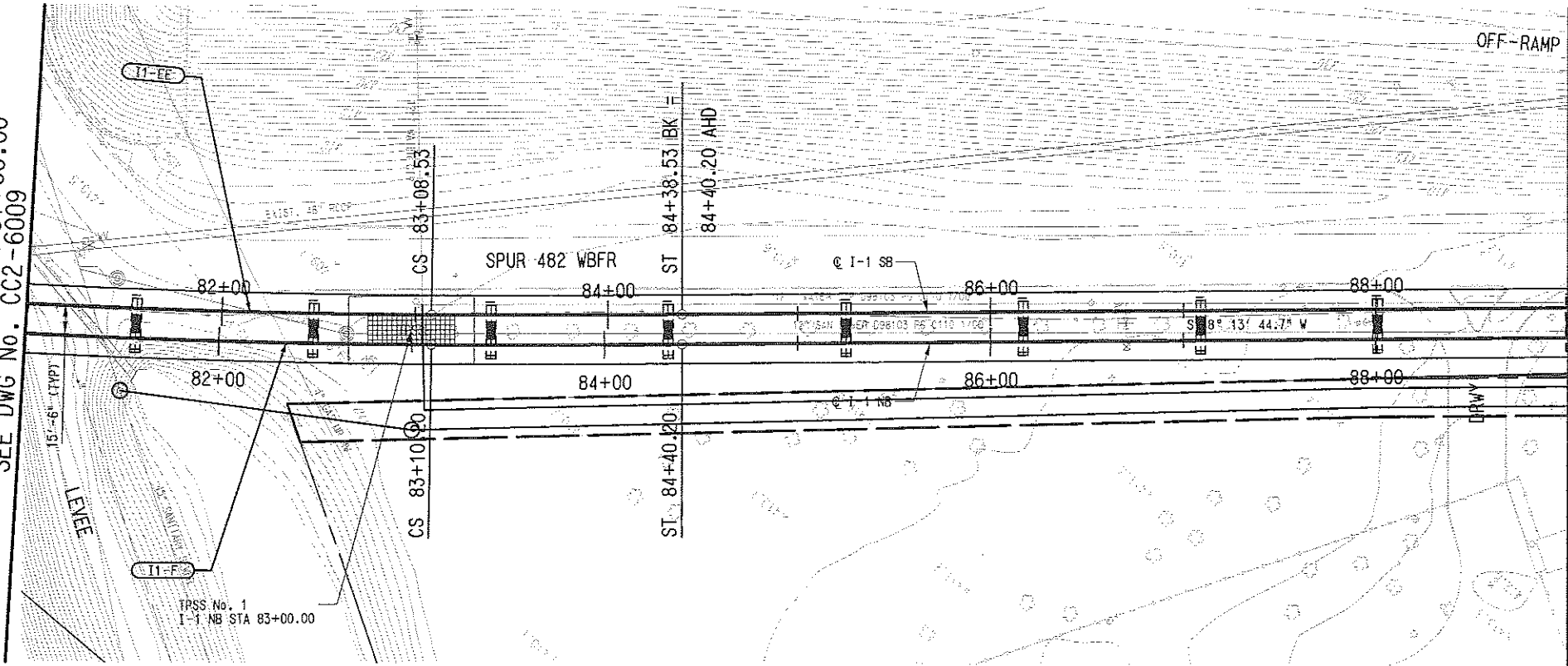
IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.



6009-200-1.dwg, 11-15-17-19-20-21-23-24-26
 6009-200-2.dwg, 2-30-35-37-61
 6009-200-3.dwg, 2-5-8-11-13-18-20-21-25-29-31-35-36-49-52
 6009-200-4.dwg, 1-4-7-14-16-61
 6009-200-5.dwg, 1-19-21-60
 6009-200-6.dwg, 1-4-47-69
 6009-200-7.dwg, 6-10-15-17
 6009-200-8.dwg, 1-31-32-34-62
 6009-200-9.dwg, 1-13-61
 6009-200-10.dwg, 1-61

MATCH LINE I-1 NB STA 81+00.00
SEE DWG No. CC2-6009

MATCH LINE I-1 NB STA 89+00.00
SEE DWG No. CC2-6011



I1-F (NB)	
Rc=	4845.50'
Ls=	130.00'
Lc=	391.65'
Ea=	2.00°
Eu=	1.49°
V=	65 MPH

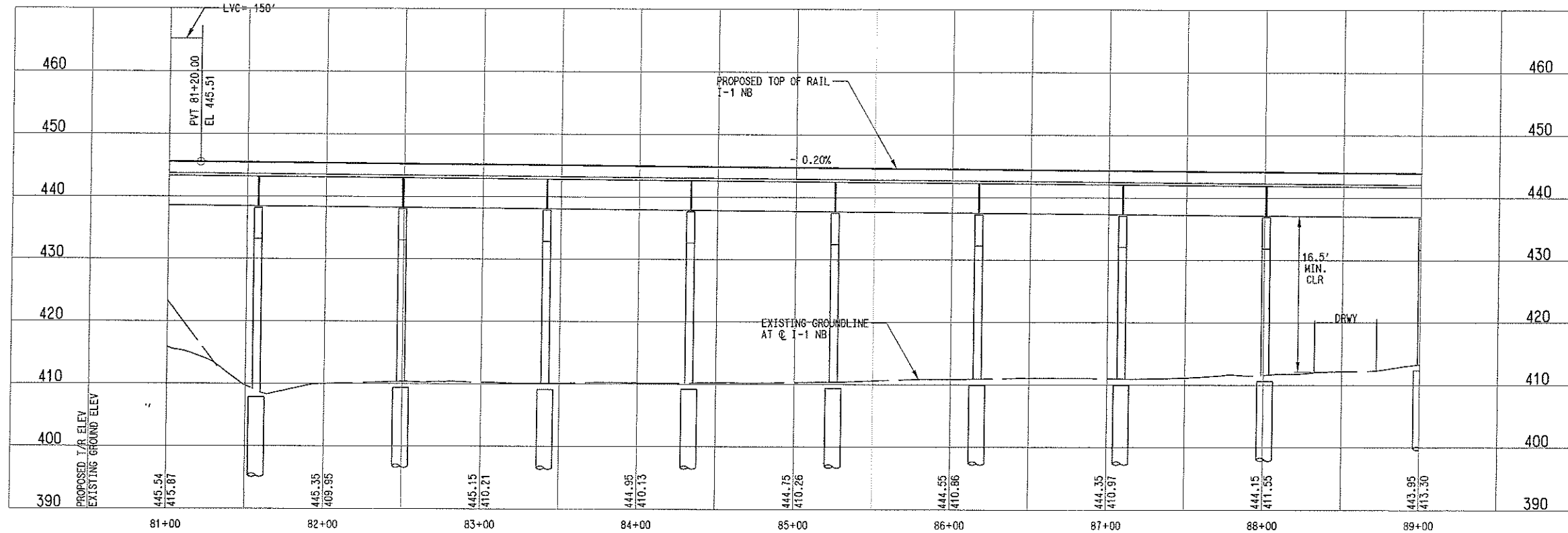
I1-EE (SB)	
Rc=	4830.00'
Ls=	130.00'
Lc=	389.99'
Ea=	2.00°
Eu=	1.50°
V=	65 MPH

LEGEND



NOTES:

1. PROPOSED TPSS LOCATIONS ARE PRELIMINARY. FINAL DESIGNER SHALL COORDINATE THE FINAL LOCATIONS.
2. SUBSTATION SITE SHALL ACCOMMODATE TRACTION POWER SUBSTATION, SPDC, AND COMMUNICATION BUNGALOW. ACCESS ROAD TO SITE SHALL BE DETERMINED DURING THE FINAL DESIGN PHASE.
3. FINAL DESIGNER SHALL COORDINATE WITH THE U.S. ARMY CORPS OF ENGINEERS FOR FINAL PIER PLACEMENT WITH THE TRINITY RIVER FLOOD PLAIN.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **45** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1**

**GUIDEWAY PLAN AND PROFILE
STA 81+00 TO STA 89+00**

SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. CC2-6010 REV

IN-PROGRESS

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DART PROJECT

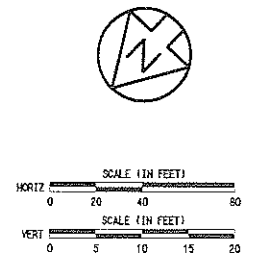
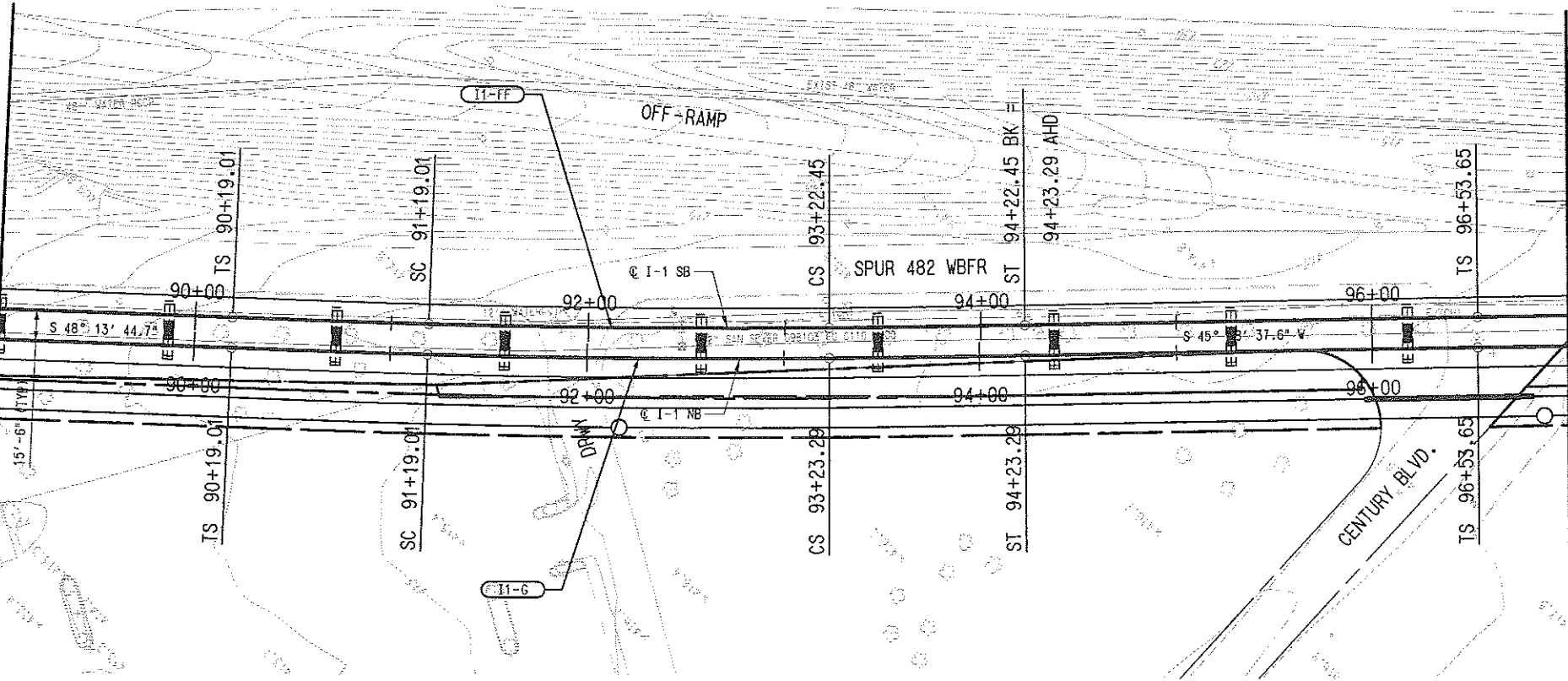


REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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 BRN, R:\DATA\Brent\1_000_6_16_15-17
 CIVL, R:\DATA\Brent\1_000_1_35-36-40-42
 DWG, R:\DATA\Brent\1_000_1_35-36-40-42
 ELEV, R:\DATA\Brent\1_000_1_35-36-40-42
 PLAN, R:\DATA\Brent\1_000_1_35-36-40-42
 PSM, R:\DATA\Brent\1_000_1_35-36-40-42
 TOWN, R:\DATA\Brent\1_000_2-5-6-11-13-16-20-21-25-29-31-35-36-40-42
 UTL, R:\DATA\Brent\1_000_1-19-21-20
 MODIF, R:\DATA\Brent\1_000_2-30-32-37-61
 ROK, R:\DATA\Brent\1_000_11-15-17-19-25-27-31-41-46
 R:\DATA\Brent\1_000_11-15-17-19-25-27-31-41-46
 9:05:19 AM
 3/26/2007
 CPY-DART

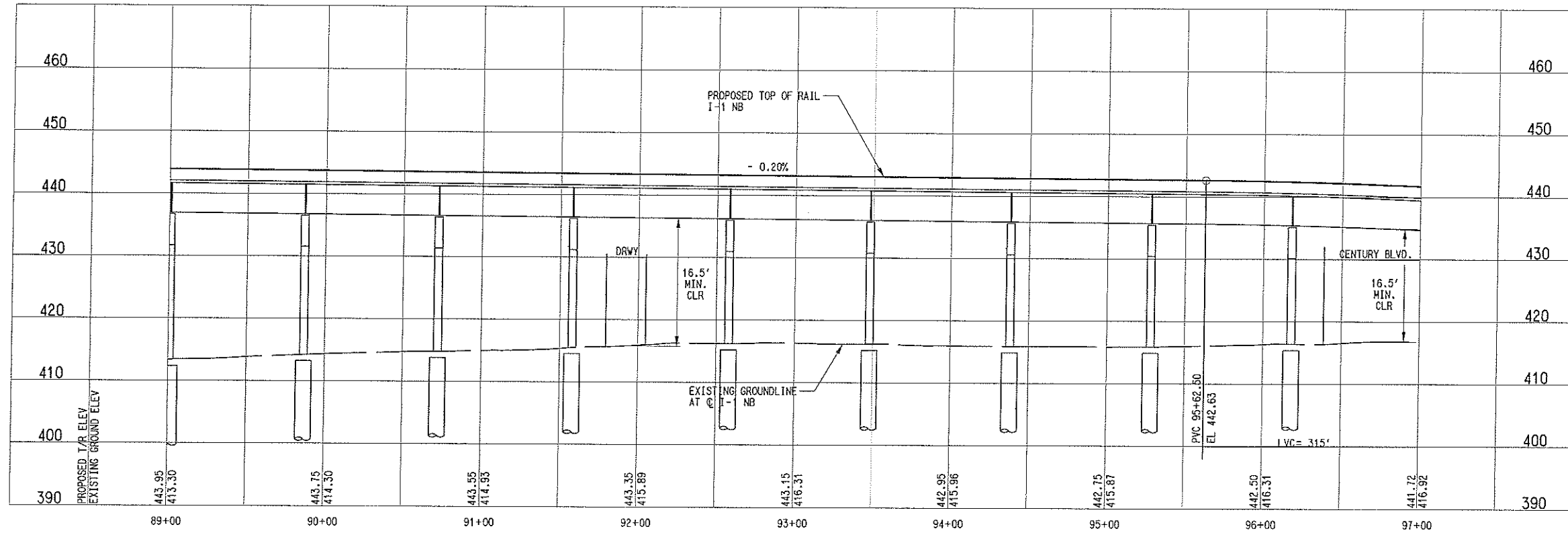
MATCH LINE I-1 NB STA 89+00.00
SEE DWG No. CC2-6010

MATCH LINE I-1 NB STA 97+00.00
SEE DWG No. CC2-6012



I1-6 (NB)	
Re=	5650.50'
Ls=	100.00'
Lc=	204.27'
Ea=	1.50"
Ea=	1.49"
V=	65 MPH

I1-FF (SB)	
Re=	5635.00'
Ls=	100.00'
Lc=	203.44'
Ea=	1.50"
Ea=	1.50"
V=	65 MPH



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **46** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1

GUIDEWAY PLAN AND PROFILE
STA 89+00 TO STA 97+00

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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ON 09 MAR 07
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DART PROJECT



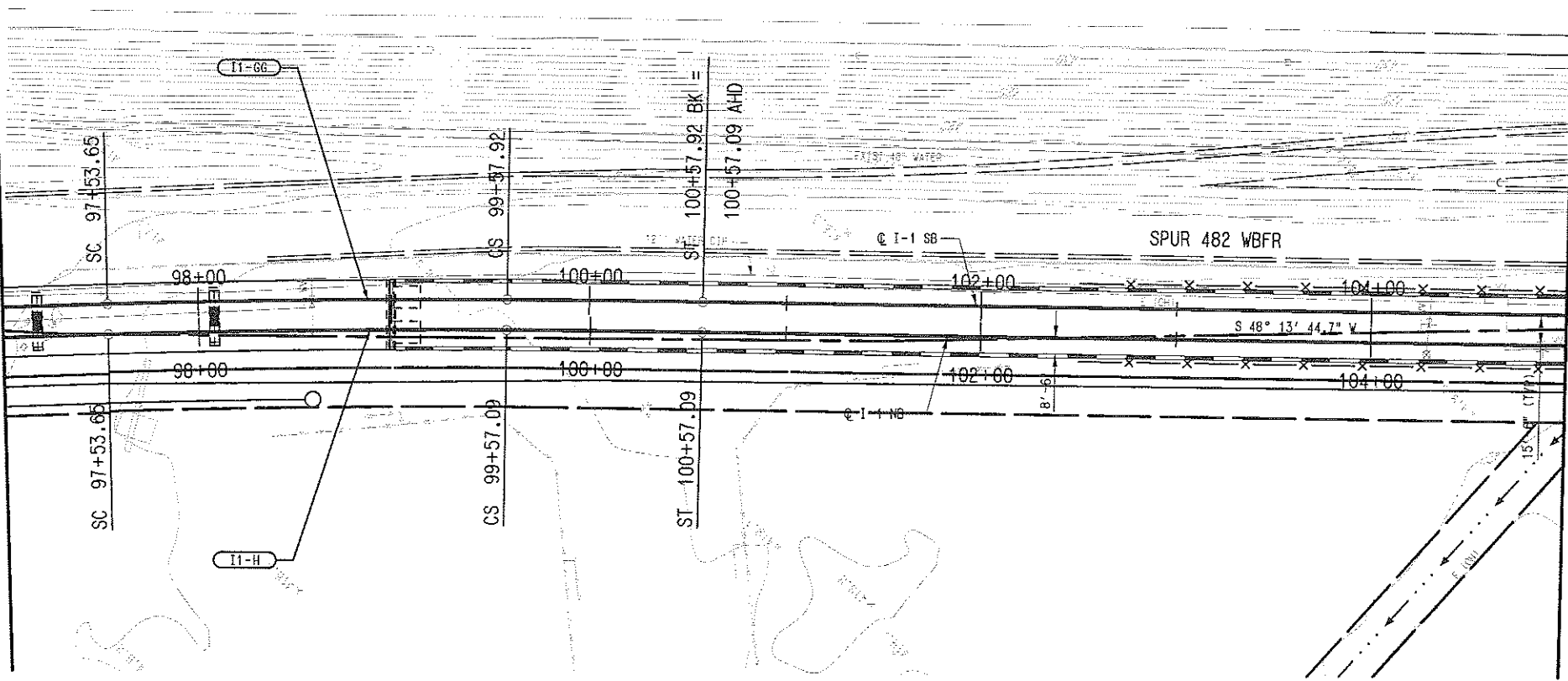
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	CC2-6011	REV	
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ALDRN, RAILTRANSIT001, 1-42-07-00
 BRK, RAILTRANSIT001, 6-10-15-17
 SITE, RAILTRANSIT001, 1-3-15-15-02
 CIVIL, RAILTRANSIT001, 1-3-01
 UTIL, RAILTRANSIT001, 1-3-01
 RFR, RAILTRANSIT001, 1-15-17-19-25-27-31-41-46
 MODIFY, RAILTRANSIT001, 2-30-35-37-41
 TOPSO, RAILTRANSIT001, 2-5-6-11-13-15-19-20-21-25-29-31-35-36-49-52
 PSFK, RAILTRANSIT001, 1-4-7-14-16-61
 UTIL, RAILTRANSIT001, 1-19-21-60
 PPF, RAILTRANSIT001, 2-30-35-37-41
 M, RAILTRANSIT001, 1-3-01
 CRY-DRT

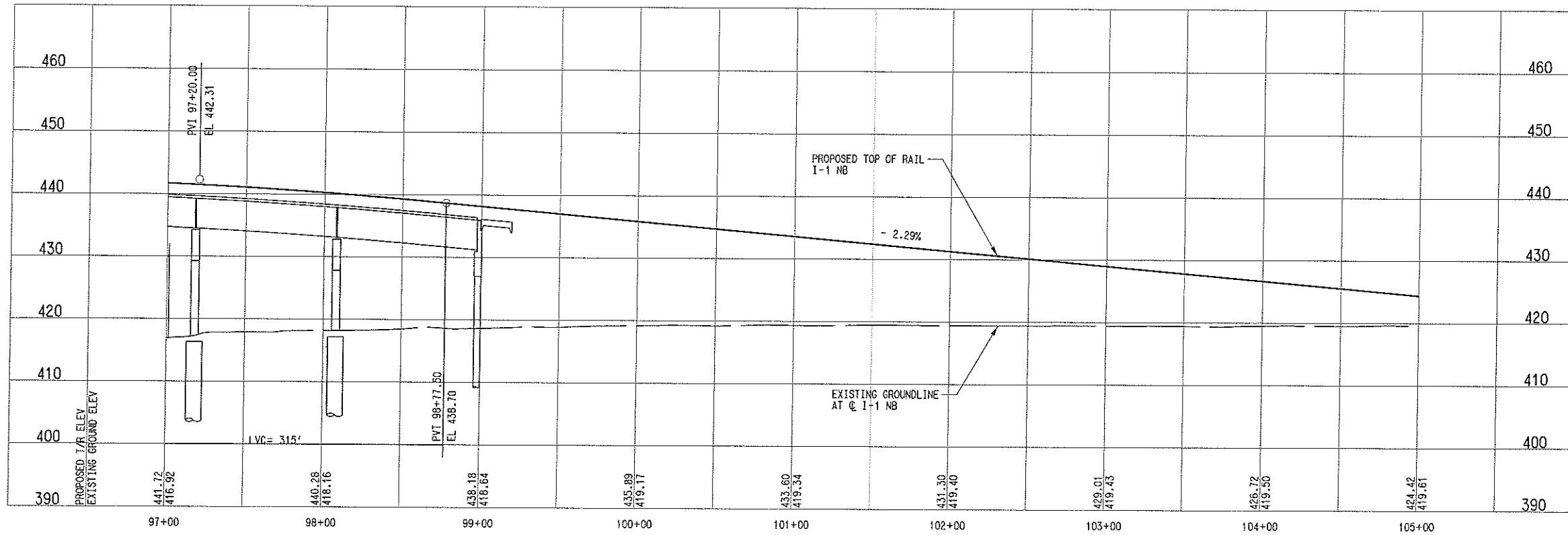
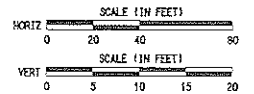
MATCH LINE I-1 NB STA 97+00.00
SEE DWG No. CC2-6011

MATCH LINE I-1 NB STA 105+00.00
SEE DWG No. CC2-6013



I1-H (NB)	
Rc=	5635.00'
Ls=	100.00'
Lc=	203.44'
Ea=	1.50°
Eu=	1.49°
V=	65 MPH

I1-GG (SB)	
Rc=	5650.50'
Ls=	100.00'
Lc=	204.27'
Ea=	1.50°
Eu=	1.49°
V=	65 MPH



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **47** OF

C:\Users\jw\Documents\LightRail\12.dwg
3/26/07 AM
3/26/2007
EPC-BRT

PROJECT: RAILWAY PERMITTING
DATE: 3/26/07

REV. R. THOMPSON, 11/15/11-19:20-27:31, 41, 46
MODIFY, R. THOMPSON, 11/15/11-20:30-33:37, 45
MODIFY, R. THOMPSON, 11/15/11-20:33-35:37, 46
PJM, R. THOMPSON, 11/15/11-20:35-36:42, 42
UTL, R. THOMPSON, 11/15/11-19:21-00

ALOK, R. THOMPSON, 11/15/11-19:21-00
BRL, R. THOMPSON, 11/15/11-19:21-00
STE, R. THOMPSON, 11/15/11-19:21-00
GFL, R. THOMPSON, 11/15/11-19:21-00
UTL, R. THOMPSON, 11/15/11-19:21-00

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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DART PROJECT

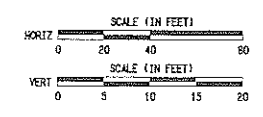
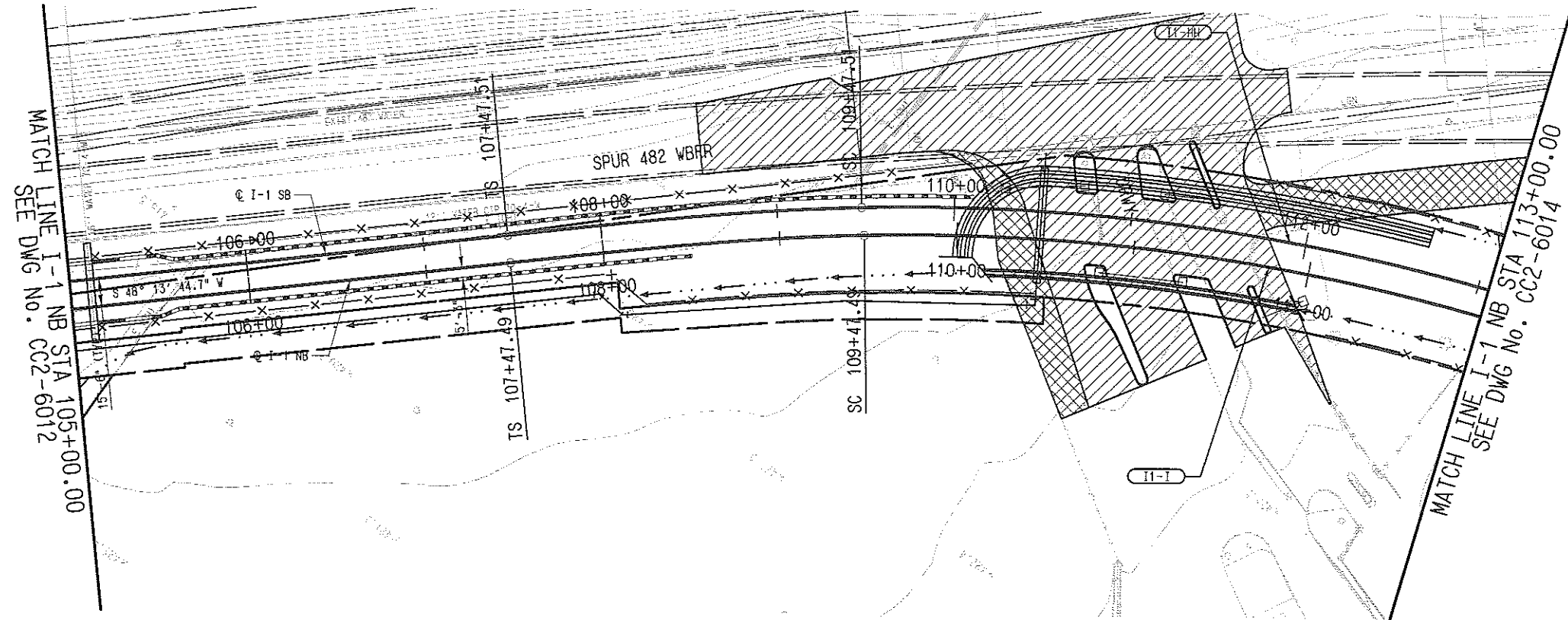
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1**

GUIDEWAY PLAN AND PROFILE
STA 97+00 TO STA 105+00

CONTRACT C-93775-1 DWG No. CC2-6012

REV	DESCRIPTION

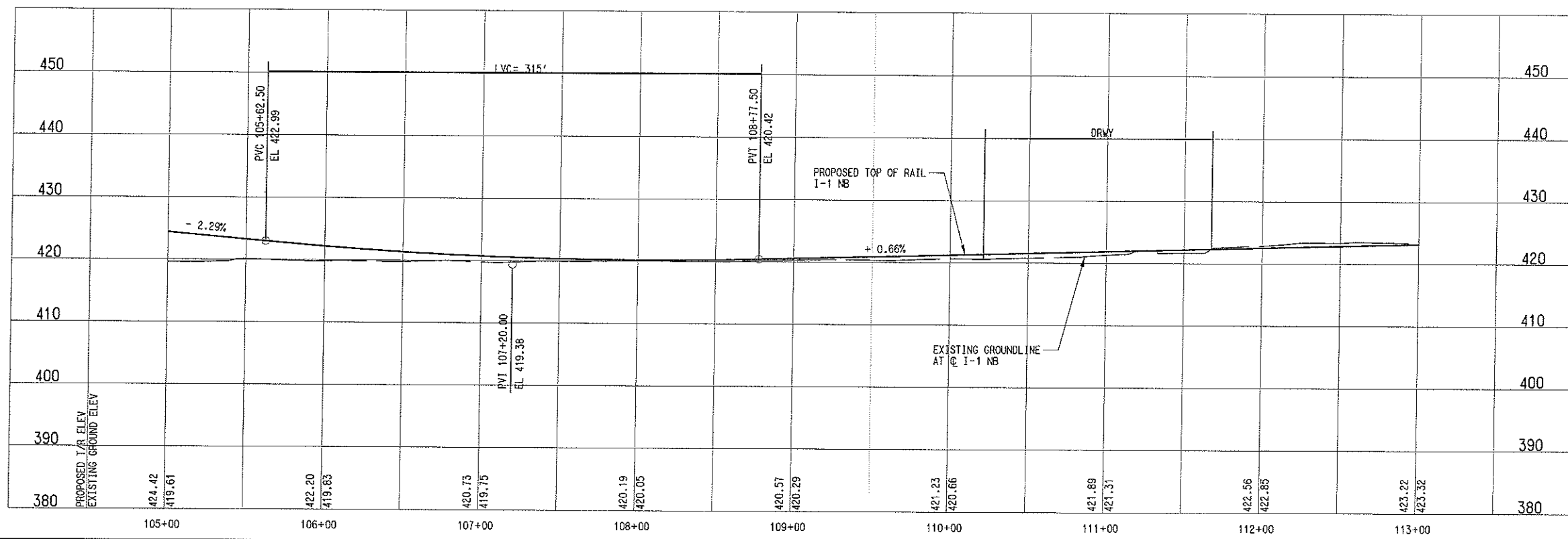


I1-I (NB)		I1-II (SB)	
Rc=	1165.00'	Rc=	1180.50'
Ls=	200.00'	Ls=	200.00'
Lc=	1714.22'	Lc=	1739.69'
Eg=	4.00°	Eg=	4.00°
Eu=	1.49°	Eu=	1.42°
V=	40 MPH*	V=	40 MPH*

* - OPERATIONS MAY NEED TO RESTRICT SPEED LIMIT TO 35 MPH THROUGHOUT THE CURVES I & II, SINCE THE CARBONE ATP EQUIPMENT PRESENTLY DOES NOT HAVE THE CAPABILITY OF DECODING A 40 MPH SPEED CODE.

LEGEND

	STREET/ALLEY/ DRIVE CLOSURE
	STREET/ALLEY/ DRIVE RECONSTRUCTION



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **48** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
STA 105+00 TO STA 113+00

IN-PROGRESS

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DART PROJECT



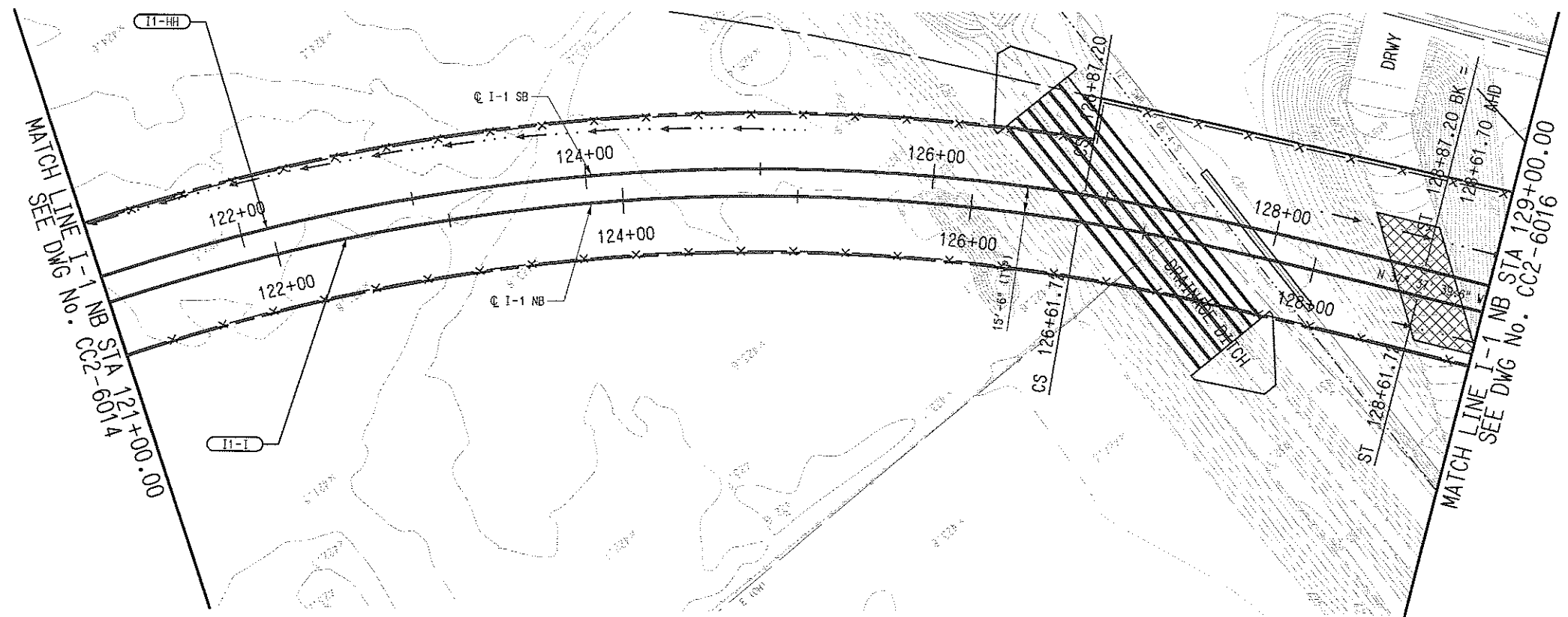
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	CC2-6013	REV	
----------	-----------	---------	----------	-----	--

ALLEN, RAJIV@parsons.com, 1-45, 47-50
 BPL, RAJIV@parsons.com, 6-10, 15-17
 SIE, RAJIV@parsons.com, 1-3, 9-22, 24-32
 CIVIL, RAJIV@parsons.com, 1-3, 6-1
 UTL, RAJIV@parsons.com, 1-61
 BOK, RAJIV@parsons.com, 11-15, 17-19, 25-27, 31, 41, 46
 KADOFF, RAJIV@parsons.com, 2-30, 35, 37-41
 KOPPEL, RAJIV@parsons.com, 2-5, 8-11, 13-19, 29-31, 35-38, 46, 52
 PSM, RAJIV@parsons.com, 1-4, 7-14, 18-41
 UTL, RAJIV@parsons.com, 1-19, 21-60
 RHF, RHF@parsons.com
 WADSWORTH, WADSWORTH@parsons.com
 3/26/07
 CPY-DART

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

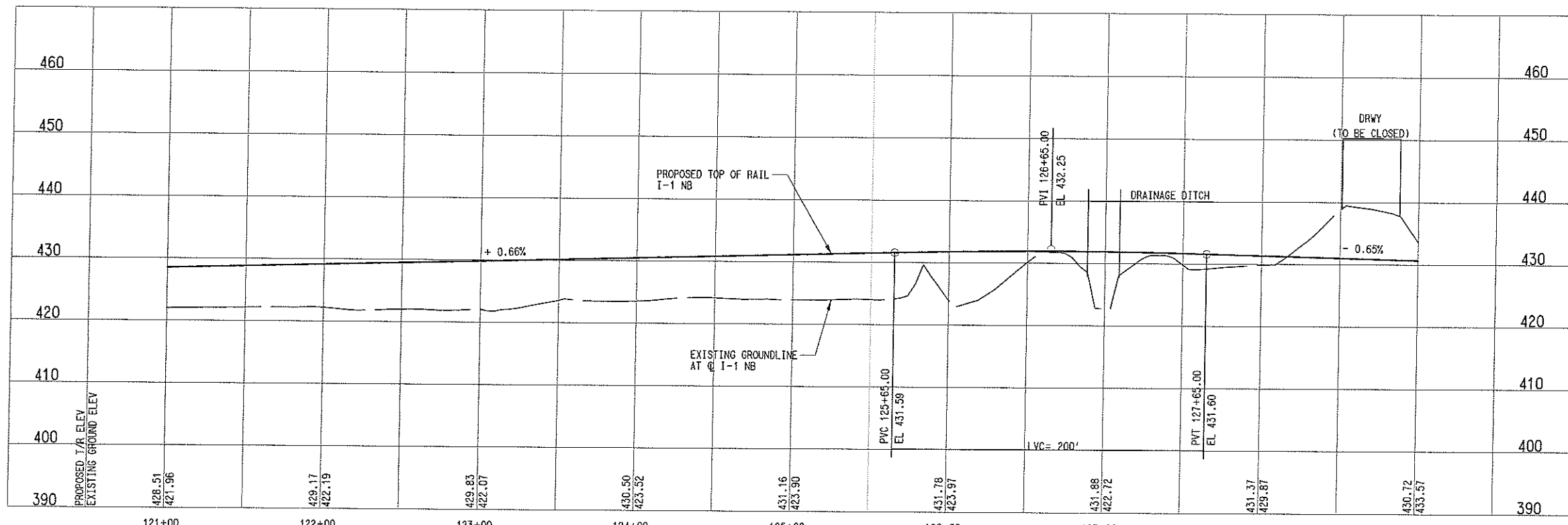
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 DESIGNED: 11/15/17-18, 25-27, 31, 41, 46
 CHECKED: 11/15/17-18, 25-27, 31, 41, 46
 DRAWN: 11/15/17-18, 25-27, 31, 41, 46
 DATE: 11/15/17-18, 25-27, 31, 41, 46



I-1 (NB)		I-1-HH (SB)	
Rc=	1165.00'	Rc=	1180.50'
Ls=	200.00'	Ls=	200.00'
Lc=	1714.22'	Lc=	1739.69'
Eg=	4.00°	Eg=	4.00°
Eu=	1.49°	Eu=	1.42°
V=	40 MPH*	V=	40 MPH*

* OPERATIONS MAY NEED RESTRICT SPEED LIMIT TO 35 MPH THROUGHOUT THE CURVES I & HH, SINCE THE CARBONE ATP EQUIPMENT PRESENTLY DOES NOT HAVE THE CAPABILITY OF DECODING A 40 MPH SPEED CODE.

- NOTES:
- FINAL DESIGNER SHALL COORDINATE DESIGN WITH THE FUTURE DEVELOPMENT PLANS FOR TEXAS STADIUM.

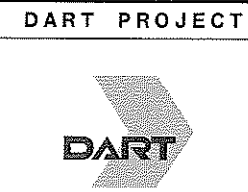


NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **50** OF

IN-PROGRESS

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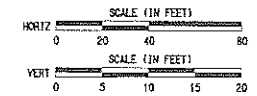
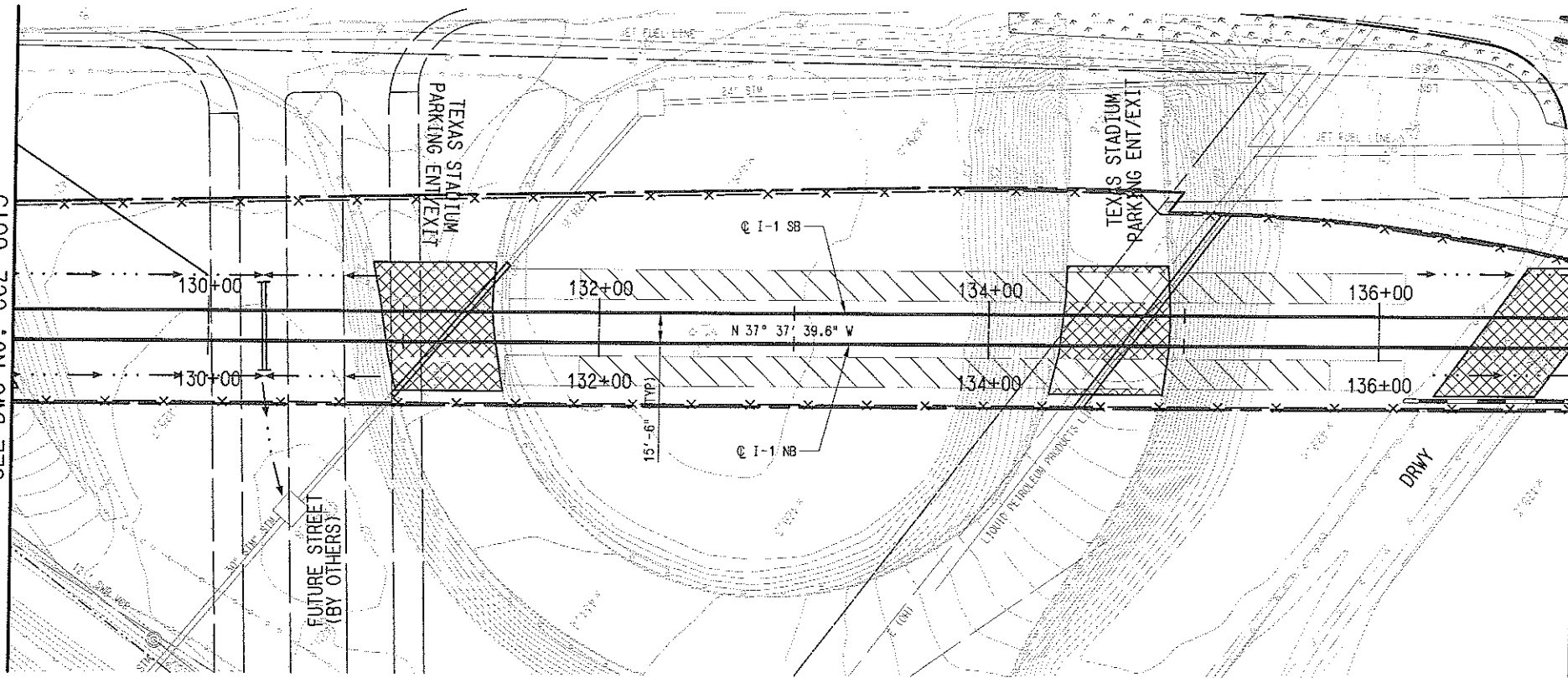
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 GUIDEWAY PLAN AND PROFILE
 STA 121+00 TO STA 129+00

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

MATCH LINE I-1 NB STA 129+00.00
SEE DWG No. CC2-6015

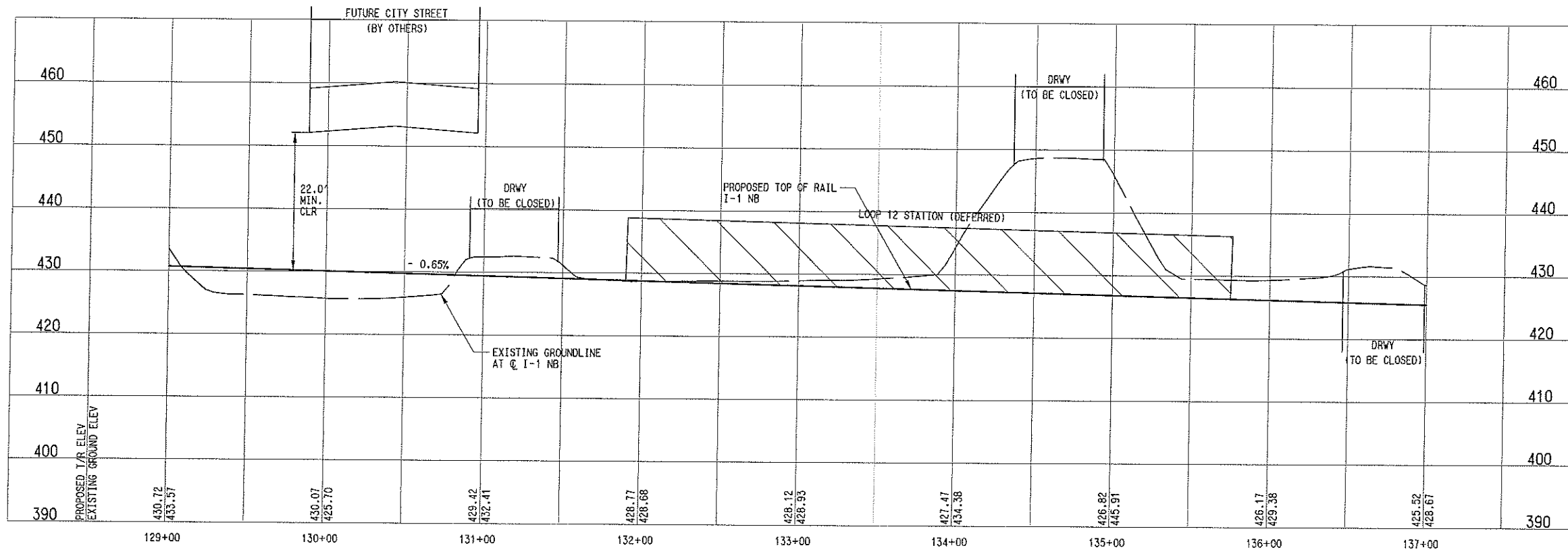
MATCH LINE I-1 NB STA 137+00.00
SEE DWG No. CC2-6017



- NOTES:
1. FINAL DESIGNER SHALL ADDRESS THE REQUIREMENT FOR CATENARY SAFETY DEVICES PER VOLUME 1 CHAPTER 1, PART 1.9.3 OF THE FACILITIES DESIGN CRITERIA FOR THE ROADWAYS CROSSING OVER THE LRT.
 2. FINAL DESIGNER SHALL COORDINATE DESIGN WITH THE FUTURE DEVELOPMENT PLANS FOR TEXAS STADIUM.

LEGEND

- [Cross-hatched box] STREET/ALLEY/ DRIVE CLOSURE
- [Diagonal hatched box] STATION CONCOURSE/ PLATFORM (DEFERRED)



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **51** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1

GUIDEWAY PLAN AND PROFILE
STA 129+00 TO STA 137+00

IN-PROGRESS

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ON 02 MAR 07

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DART PROJECT

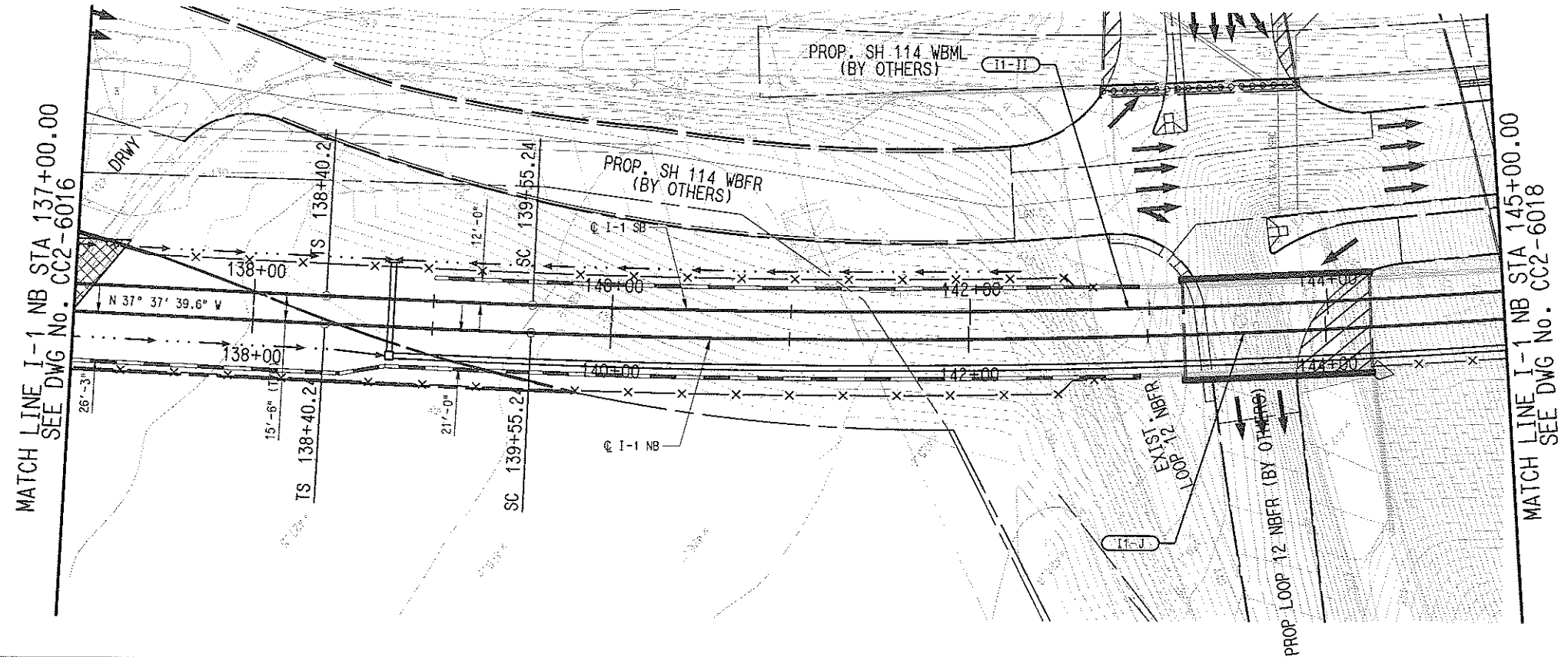


SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

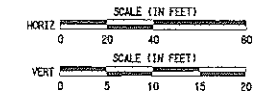
CONTRACT	DWG No.	REV
C-93775-1	CC2-6016	

REV. RAIYX/RAIYX/01.000, 1-16-07-00
 MODIFY. RAIYX/RAIYX/01.000, 2-20-07-00
 PSTM. RAIYX/RAIYX/01.000, 1-4-07-00
 UTIL. RAIYX/RAIYX/01.000, 1-19-07-00
 BR. RAIYX/RAIYX/01.000, 1-15-07-00
 SITE. RAIYX/RAIYX/01.000, 1-3-07-00
 CIVIL. RAIYX/RAIYX/01.000, 1-3-07-00
 UPLD. RAIYX/RAIYX/01.000, 1-3-07-00
 PRF. ROTATIONS.000000
 VALCABNET/VALCABNET/01.000
 9/11/06 AM
 3/26/2007
 CPY-DART

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

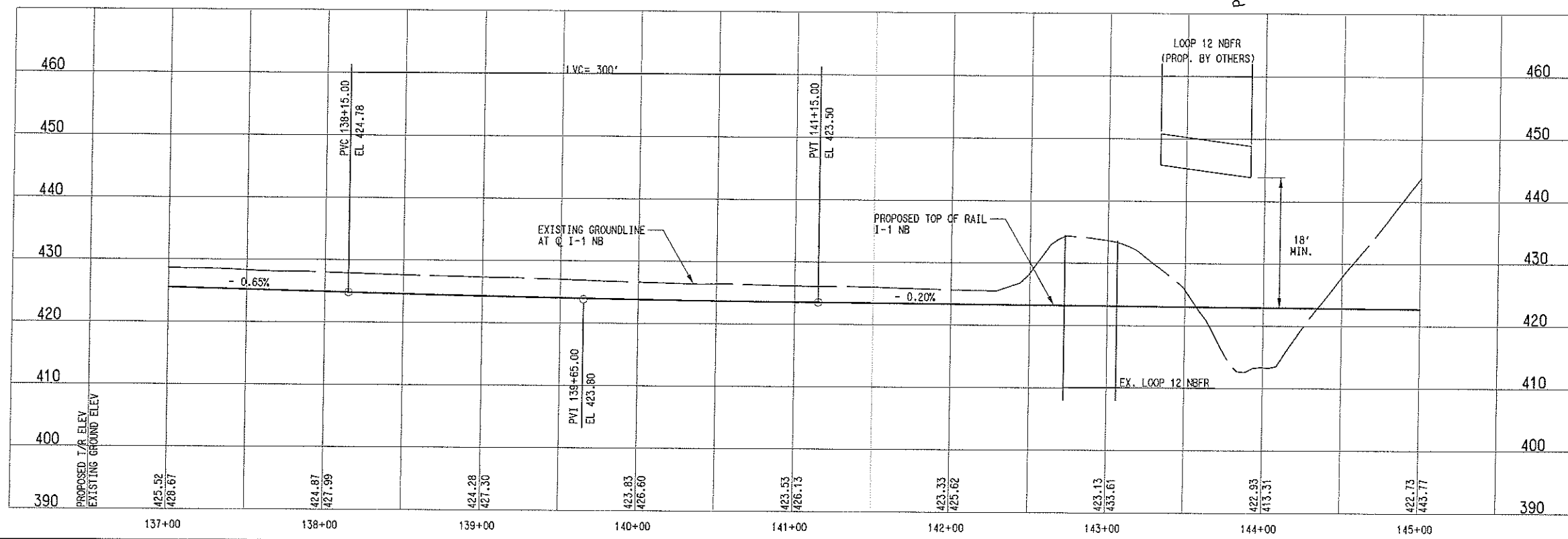


I1-J (NB)		I1-II (SB)	
Rc=	5200.00'	Rc=	5184.50'
Ls=	115.00'	Ls=	115.00'
Lc=	1522.71'	Lc=	1517.83'
Ea=	1.75°	Ea=	1.75°
Eu=	1.50°	Eu=	1.51°
V=	65 MPH	V=	65 MPH



- NOTES:
- FROM STA 142+00 TO STA 204+00, AN ENVELOPE FOR THE LRT IS BEING DESIGNED AND CONSTRUCTED BY TxDOT AS PART OF THE S.H. 114 IMPROVEMENT PROJECT. THE FINAL DESIGNER SHALL COORDINATE WITH TxDOT THROUGHOUT THE SH 114 CORRIDOR.
 - FINAL DESIGNER SHALL ADDRESS THE REQUIREMENT FOR CATENARY SAFETY DEVICES PER VOLUME 1, CHAPTER 1, PART 1.9.3 OF THE FACILITIES DESIGN CRITERIA FOR THE ROADWAYS CROSSING OVER THE LRT.
 - FINAL DESIGNER SHALL COORDINATE DESIGN WITH THE FUTURE DEVELOPMENT PLANS FOR TEXAS STADIUM.

LEGEND
 STREET/ALLEY/ DRIVE CLOSURE



NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **52** OF

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 GUIDEWAY PLAN AND PROFILE
 STA 137+00 TO STA 145+00**

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS
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 JOHN TIPTON, P.E., NO. 61137
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CP&Y
 Chiang, Patel & Yerby, Inc.

PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

DART

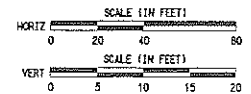
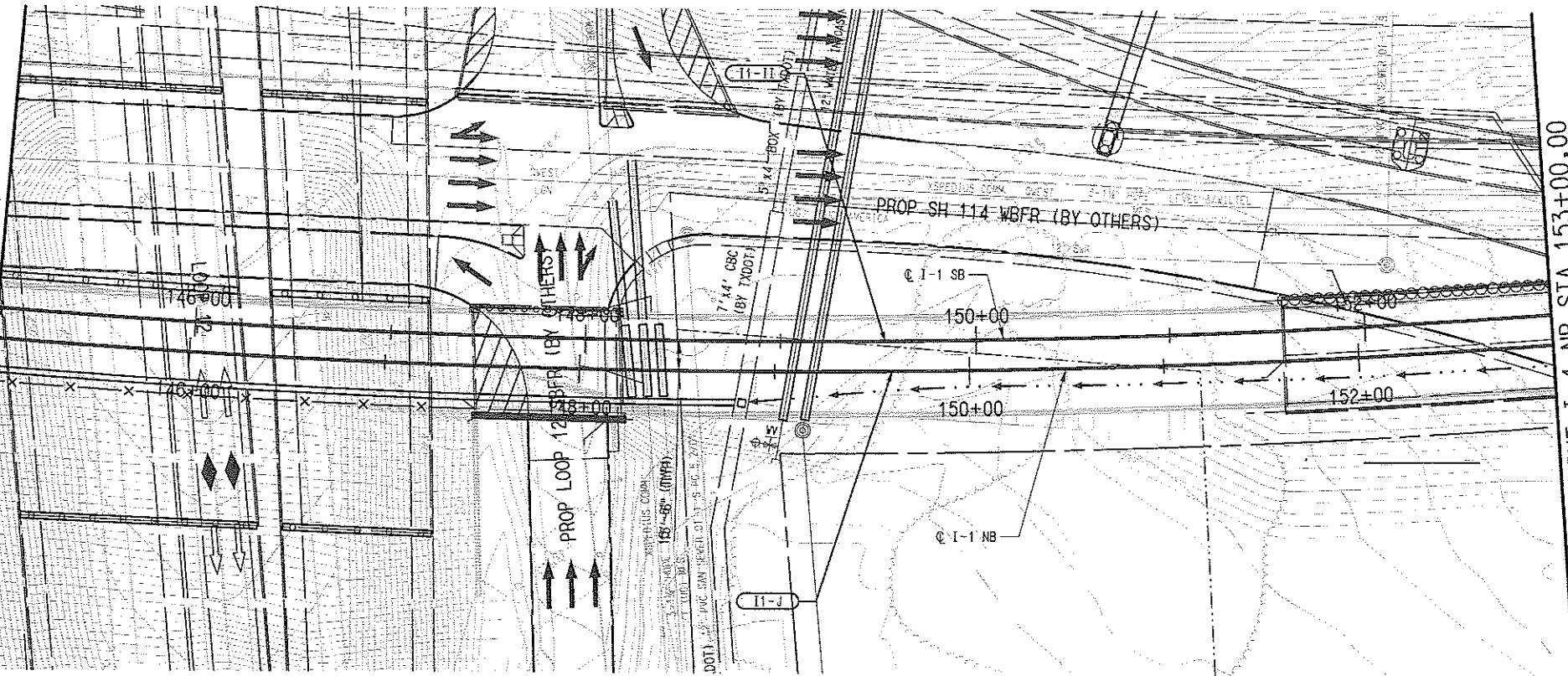
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	CC2-6017	REV	
----------	-----------	---------	----------	-----	--

ROW, RA13X181001.000, 1-15-17-19,25-27,31,41,46
 MODTY, RA13X181001.000, 2-30,35,37-51
 10001, RA13X181001.000, 5-5,6-11,13-18,20-21,25,29,31,35-36,40,52
 PDM, RA13X181001.000, 1-4,7-14,16-61
 BFL, RA13X181001.000, 1-19,21-60
 ALON, RA13X181001.000, 1-25,47-60
 BPL, RA13X181001.000, 6-10,15-17
 SUE, RA13X181001.000, 1-3,5-31,34-62
 UEL, RA13X181001.000, 1-3-61

MATCH LINE I-1 NB STA 145+00.00
SEE DWG No. CC2-6017

MATCH LINE I-1 NB STA 153+00.00
SEE DWG No. CC2-6019

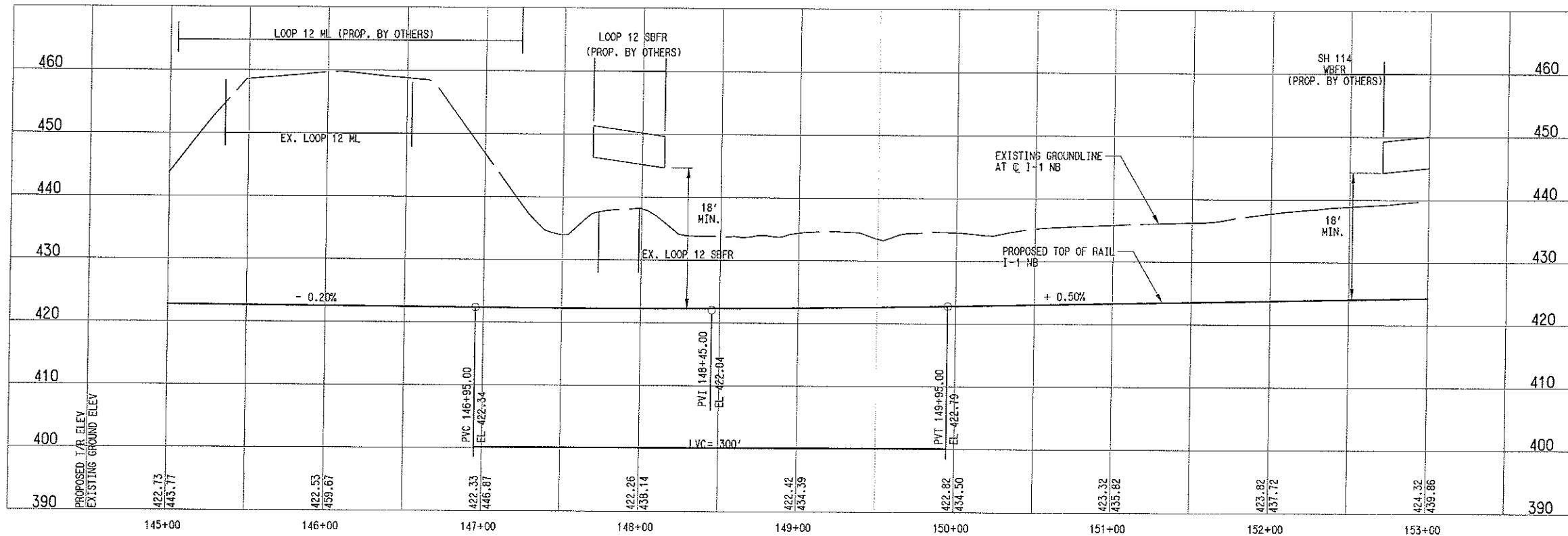


I-1-J (NB)	
Rc=	5200.00'
Ls=	115.00'
Lc=	1522.71'
Ea=	1.75°
Eu=	1.50°
V=	65 MPH

I-1-II (SB)	
Rc=	5184.50'
Ls=	115.00'
Lc=	1517.83'
Ea=	1.75°
Eu=	1.51°
V=	65 MPH

NOTES:

- FROM STA 142+00 TO STA 204+00, AN ENVELOPE FOR THE LRT IS BEING DESIGNED AND CONSTRUCTED BY TxDOT AS PART OF THE S.H. 114 IMPROVEMENT PROJECT. THE FINAL DESIGNER SHALL COORDINATE WITH TxDOT THROUGHOUT THE SH 114 CORRIDOR.
- FINAL DESIGNER SHALL ADDRESS THE REQUIREMENT FOR CATENARY SAFETY DEVICES PER VOLUME 1 CHAPTER 1, PART 1.9.3 OF THE FACILITIES DESIGN CRITERIA FOR THE ROADWAYS CROSSING OVER THE LRT.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **53** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1

GUIDEWAY PLAN AND PROFILE
STA 145+00 TO STA 153+00

SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07



CONTRACT C-93775-1 DWG No. CC2-6018

REV

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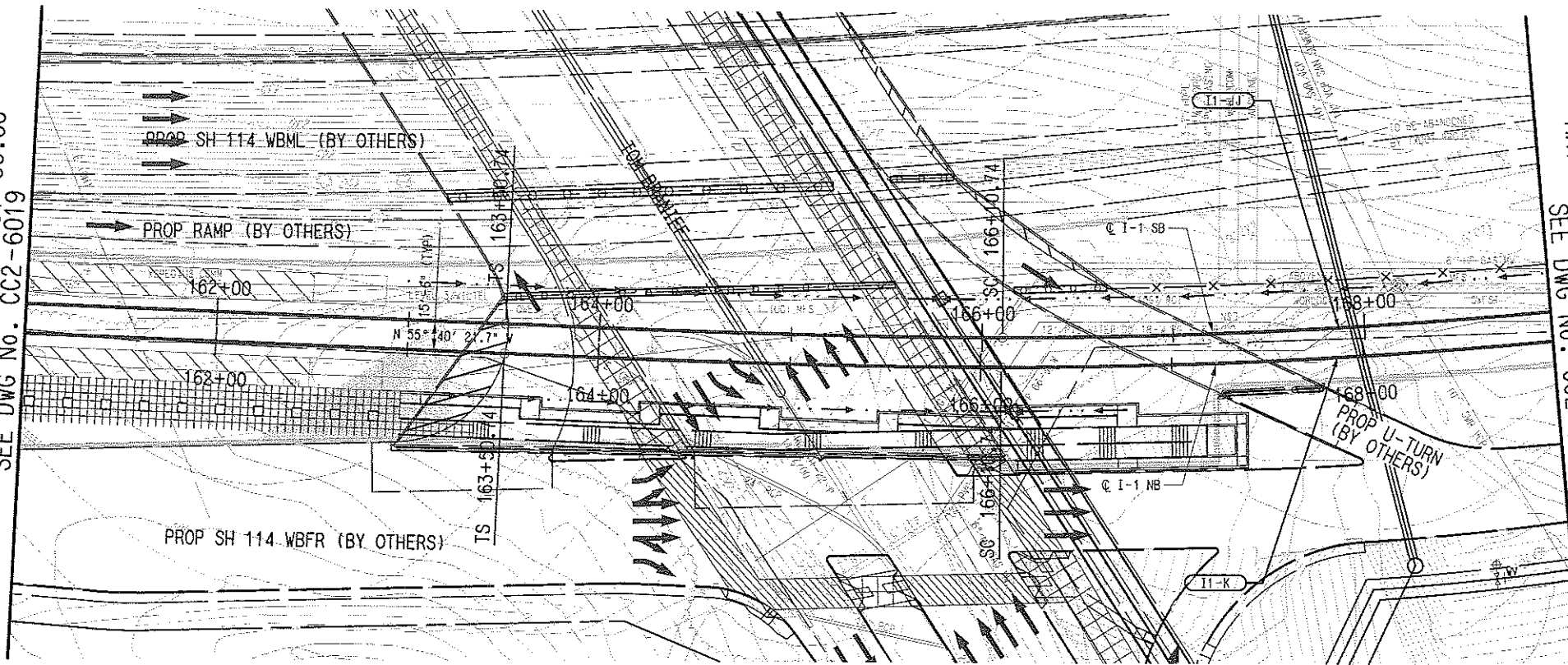
DART PROJECT



REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

REF: RAINX/IR/rev1_040, 11, 15, 17, 19, 20, 21, 31, 41, 46
 R001, RAINX/IR/rev1_040, 2-30, 35, 37-61
 R002, RAINX/IR/rev1_040, 2-5, 8-11, 13-16, 20-21, 25, 29, 31, 35-36, 49, 52
 R003, RAINX/IR/rev1_040, 1-4, 7-14, 16-61
 R004, RAINX/IR/rev1_040, 1-19, 21-60
 R005, RAINX/IR/rev1_040, 1-4, 7-14, 16-61
 R006, RAINX/IR/rev1_040, 6-10, 15-17
 R007, RAINX/IR/rev1_040, 1-3, 5-32, 34-62
 R008, RAINX/IR/rev1_040, 1-3, 5-32, 34-62
 R009, RAINX/IR/rev1_040, 1-3, 5-32, 34-62

MATCH LINE I-1 NB STA 161+00.00
SEE DWG No. CC2-6019

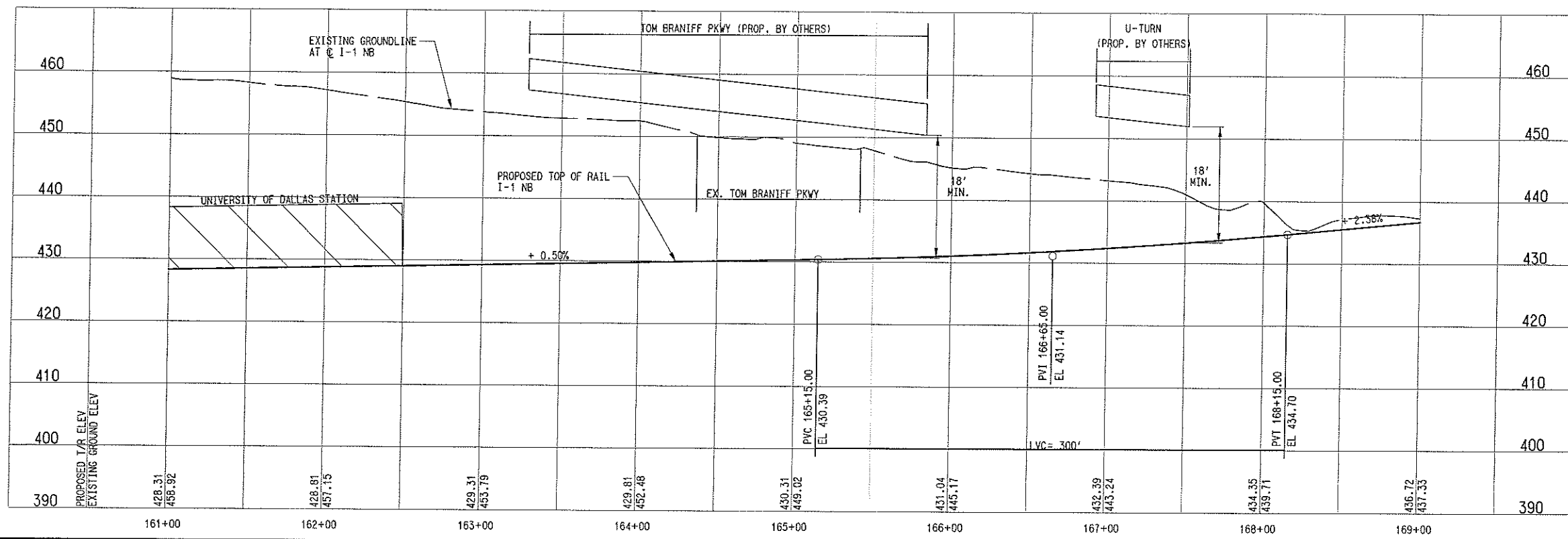


MATCH LINE I-1 NB STA 169+00.00
SEE DWG No. CC2-6021

I1-K (NB)		I1-JJ (SB)	
Rc=	3100.00'	Rc=	3084.50'
Ls=	260.00'	Ls=	260.00'
Lo=	316.05'	Lo=	313.16'
Eo=	4.00"	Eo=	4.00"
Eu=	1.45"	Eu=	1.48"
V=	65 MPH	V=	65 MPH

- NOTES:
- FROM STA 142+00 TO STA 204+00, AN ENVELOPE FOR THE LRT IS BEING DESIGNED AND CONSTRUCTED BY TxDOT AS PART OF THE S.H. 114 IMPROVEMENT PROJECT. THE FINAL DESIGNER SHALL COORDINATE W/TXDOT THROUGHOUT THE SH 114 CORRIDOR.
 - FINAL DESIGNER SHALL ADDRESS THE REQUIREMENT FOR CATENARY SAFETY DEVICES PER VOLUME 1 CHAPTER 1, PART 1.9.3 OF THE FACILITIES DESIGN CRITERIA FOR THE ROADWAYS CROSSING OVER THE LRT.

LEGEND
 STATION CONCOURSE/
 PLATFORM



NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **55** OF

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1**

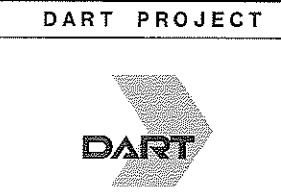
**GUIDEWAY PLAN AND PROFILE
 STA 161+00 TO STA 169+00**

CONTRACT	DWG No.	REV
C-93775-1	CC2-6020	

IN-PROGRESS

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 ON 09 MAR 07

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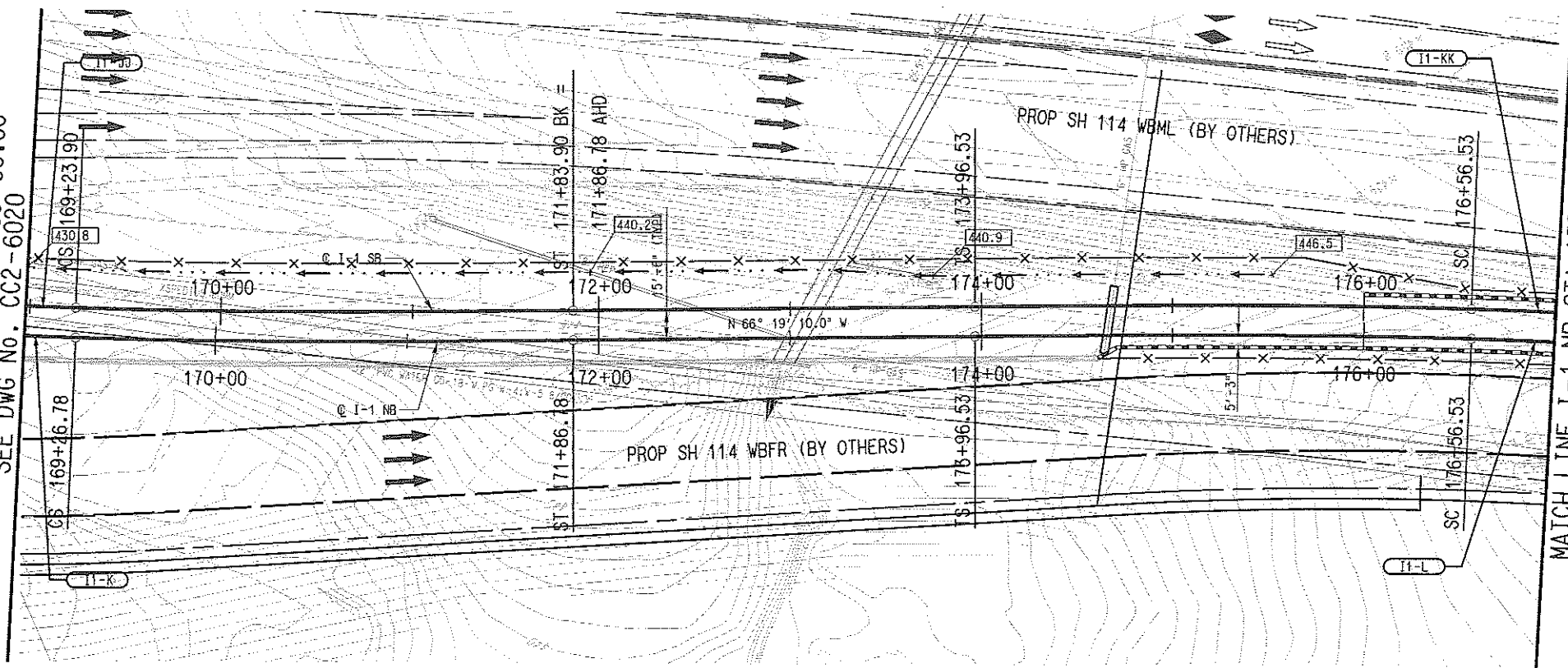


REV: RA11X/BR11/060, 11-25-17-19-25-27-31-41-46
 MODIFY: RA11X/BR11/060, 2-30-35-37-61
 UPDI: RA11X/BR11/060, 2-5-8-11-13-18-20-21-25-29-31-35-38-42-52
 PER: RA11X/BR11/060, 1-4-7-14-16-61
 UTL: RA11X/BR11/060, 1-19-21-60
 RA11X/BR11/060, 1-4-6-47-60
 BR11/060, 6-10-15-17
 STE: RA11X/BR11/060, 1-3-5-32-34-42
 CIVIL: RA11X/BR11/060, 1-3-61
 UTL: RA11X/BR11/060, 1-61
 REV: RA11X/BR11/060, 1-4-6-47-60
 BR11/060, 6-10-15-17
 STE: RA11X/BR11/060, 1-3-5-32-34-42
 CIVIL: RA11X/BR11/060, 1-3-61
 UTL: RA11X/BR11/060, 1-61
 REV: RA11X/BR11/060, 1-4-6-47-60
 BR11/060, 6-10-15-17
 STE: RA11X/BR11/060, 1-3-5-32-34-42
 CIVIL: RA11X/BR11/060, 1-3-61
 UTL: RA11X/BR11/060, 1-61

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

MATCH LINE I-1 NB STA 169+00.00
SEE DWG No. CC2-6020

MATCH LINE I-1 NB STA 177+00.00
SEE DWG No. CC2-6022



I-1-K (NB)

Rc=	3100.00'
Ls=	260.00'
Lc=	316.05'
Eg=	4.00°
Eu=	1.45°
V=	65 MPH

I-1-JJ (SB)

Rc=	3084.50'
Ls=	260.00'
Lc=	313.16'
Eg=	4.00°
Eu=	1.48°
V=	65 MPH

I-1-L (NB)

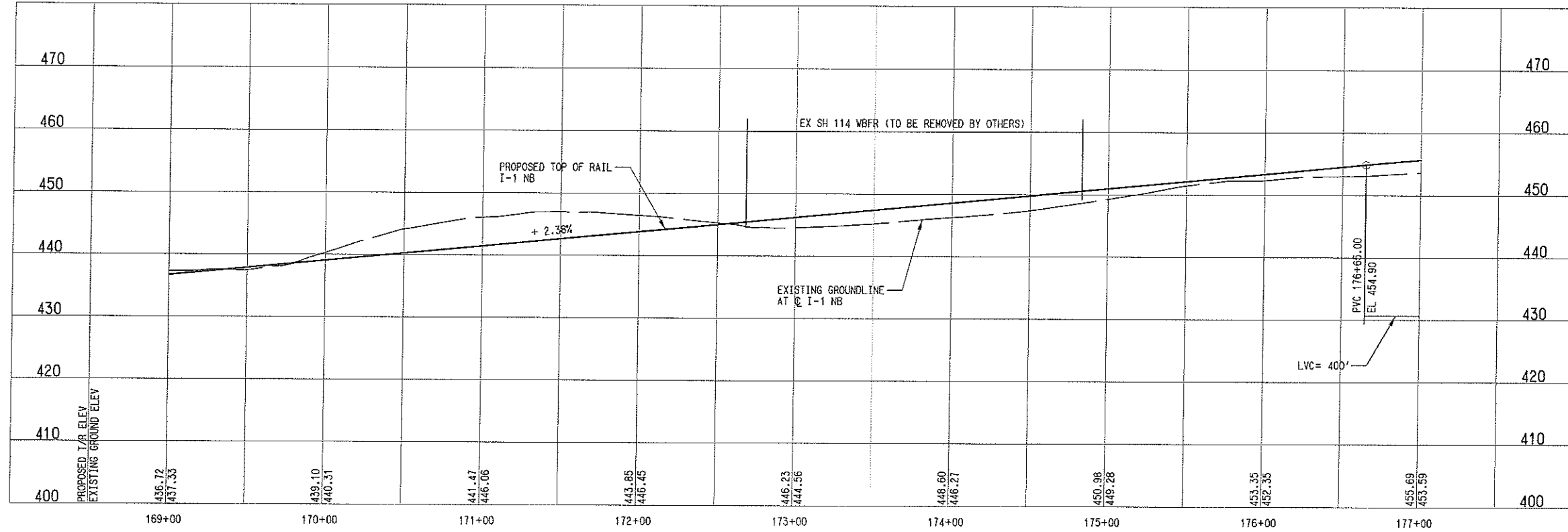
Rc=	3100.00'
Ls=	260.00'
Lc=	220.32'
Eg=	4.00°
Eu=	1.45°
V=	65 MPH

I-1-KK (SB)

Rc=	3115.50'
Ls=	260.00'
Lc=	222.72'
Eg=	4.00°
Eu=	1.42°
V=	65 MPH

NOTES:

- FROM STA 142+00 TO STA 204+00, AN ENVELOPE FOR THE LRT IS BEING DESIGNED AND CONSTRUCTED BY TXDOT AS PART OF THE S.H. 114 IMPROVEMENT PROJECT. THE FINAL DESIGNER SHALL COORDINATE WITH TXDOT THROUGHOUT THE SH 114 CORRIDOR.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 56 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
STA 169+00 TO STA 177+00

PLANNING: d:\projects\1209-200\1209-200.dwg
 DATE: 3/2/2007
 PLOT: CPY-DWT

PROJECT: CC2-6021
 SHEET: 56 OF 56

DESIGNER: ALON, RAVI
 CHECKER: RAVI
 APPROVER: JOHN TIPTON

REV	AMEND	GR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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 ON 09 MAR 07
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DART PROJECT

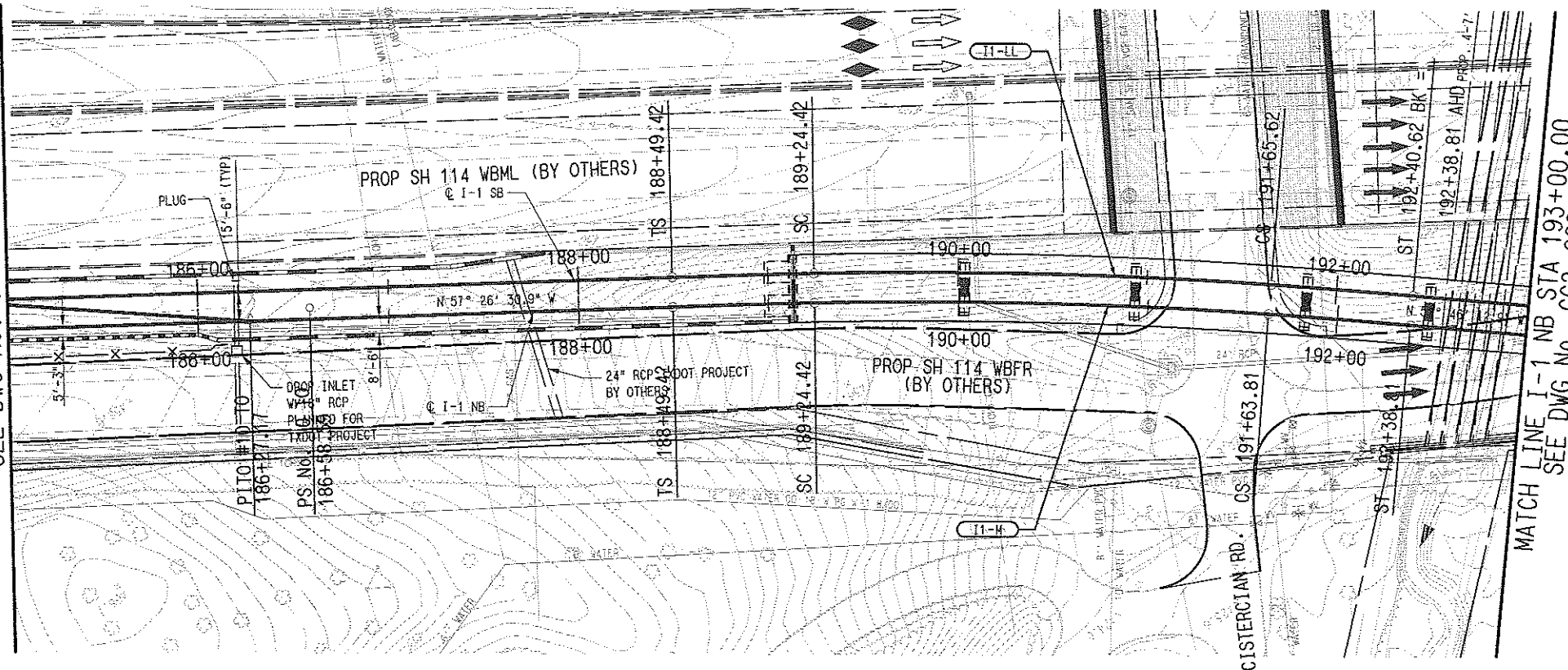


SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT	DWG No.	REV
C-93775-1	CC2-6021	

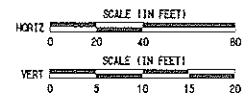
MATCH LINE I-1 NB STA 185+00.00
SEE DWG No. CC2-6022

MATCH LINE I-1 NB STA 193+00.00
SEE DWG No. CC2-6024

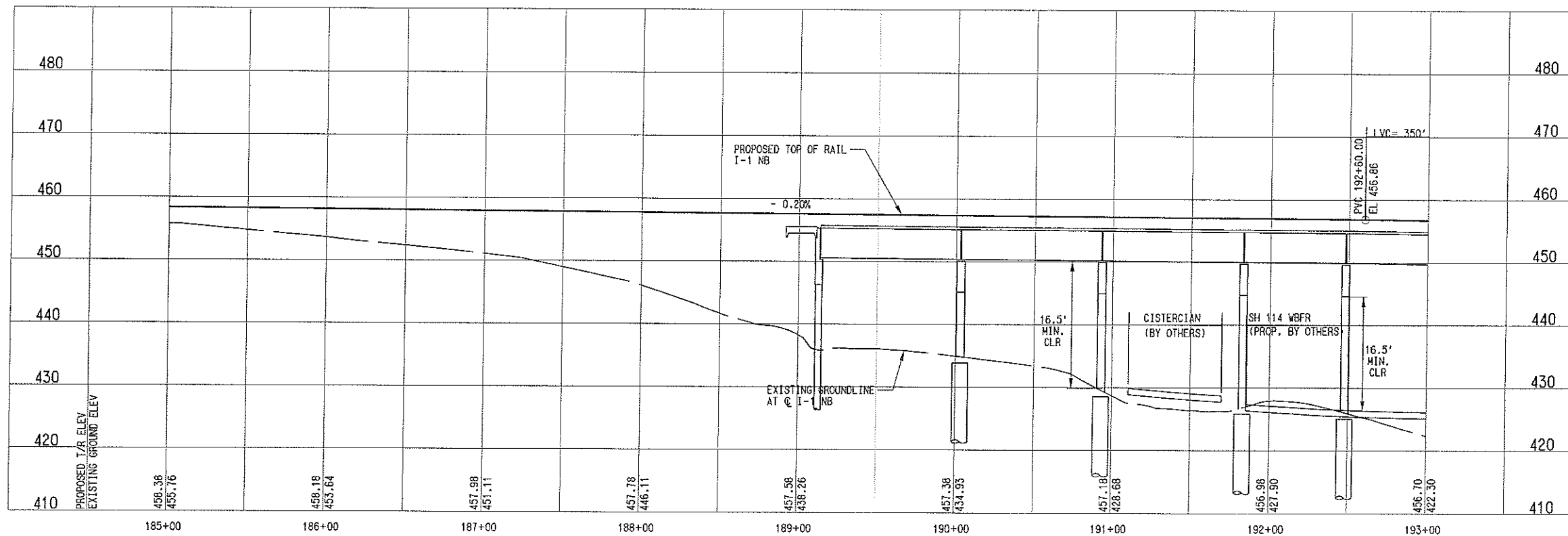


I1-M (NB)	
Rc=	2700.00'
Ls=	75.00'
Lc=	239.40'
Ea=	1.50"
Eu=	1.50"
V=	45 MPH

I1-L (SB)	
Rc=	2715.50'
Ls=	75.00'
Lc=	241.20'
Ea=	1.50"
Eu=	1.48"
V=	45 MPH



- NOTES:
- FROM STA 142+00 TO STA 204+00, AN ENVELOPE FOR THE LRT IS BEING DESIGNED AND CONSTRUCTED BY TXDOT AS PART OF THE S.H. 114 IMPROVEMENT PROJECT. THE FINAL DESIGNER SHALL COORDINATE W/TXDOT THROUGHOUT THE SH 114 CORRIDOR.
 - PROPOSED CROSSOVER LOCATIONS ARE PRELIMINARY. FINAL DESIGNER SHALL COORDINATE THE FINAL LOCATIONS.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 58 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
STA 185+00 TO STA 193+00

IN-PROGRESS

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ON 09 MAR 07

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DART PROJECT

SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

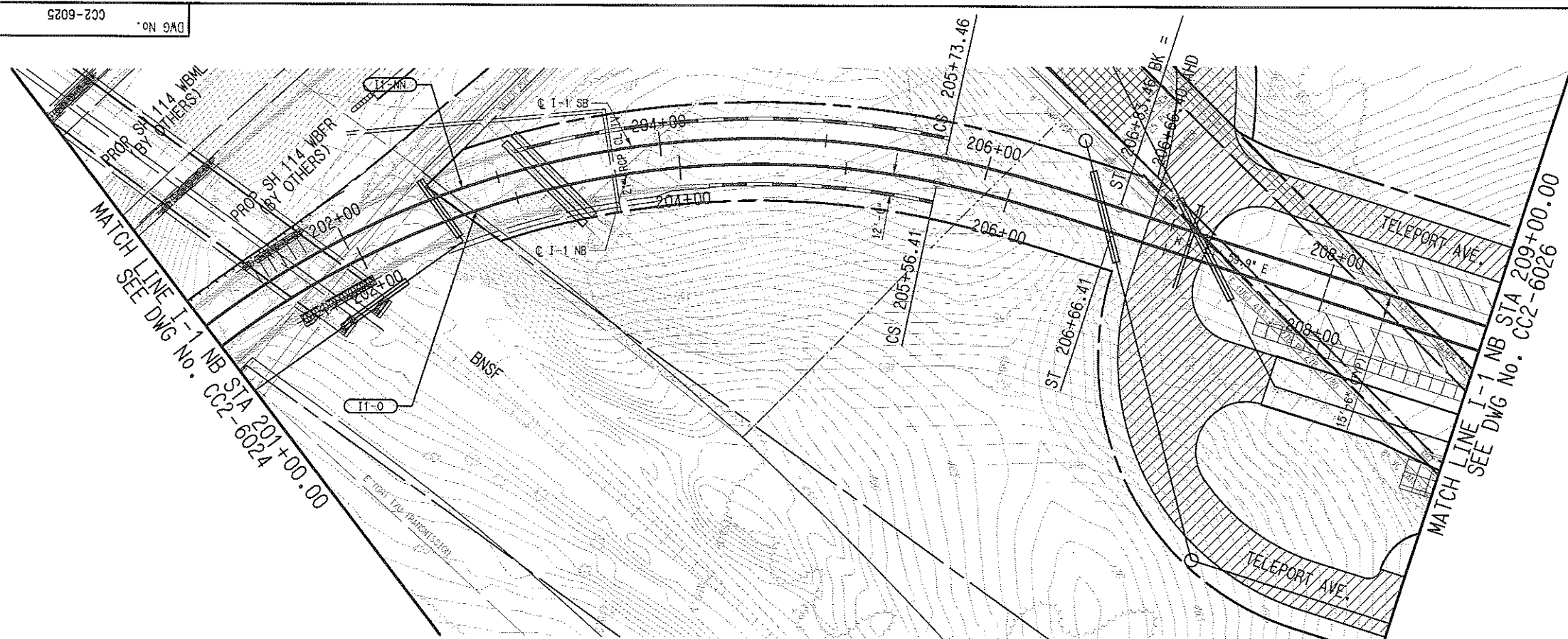
CONTRACT	C-93775-1	DWG No.	CC2-6023	REV
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REV: RATIONALE, 060, 11, 15, 17, 19, 20, 21, 31, 41, 46
 MODIFY: RATIONALE, 060, 2-30, 35, 37-61
 TOPSO: RATIONALE, 060, 2-5, 8-11, 13-18, 30-41, 50-53, 31, 35-36, 49, 52
 PSR: RATIONALE, 060, 1-4, 7-14, 16-61
 DUEP: RATIONALE, 060, 1-19, 21-50

 REV: RATIONALE, 060, 11, 15, 17, 19, 20, 21, 31, 41, 46
 MODIFY: RATIONALE, 060, 2-30, 35, 37-61
 TOPSO: RATIONALE, 060, 2-5, 8-11, 13-18, 30-41, 50-53, 31, 35-36, 49, 52
 PSR: RATIONALE, 060, 1-4, 7-14, 16-61
 DUEP: RATIONALE, 060, 1-19, 21-50

 REV: RATIONALE, 060, 1-4, 7-14, 16-61
 MODIFY: RATIONALE, 060, 6-10, 15-17
 PSR: RATIONALE, 060, 1-3, 3-35, 37-62
 DUEP: RATIONALE, 060, 1-3, 61

P:\Projects\2007\114\114-00\114-00-01\114-00-01.dwg
 9/14/07 AM
 3/28/2007
 CPY-DRT
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 9/14/07 AM
 3/28/2007
 CPY-DRT
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 3/28/2007
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 3/28/2007
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 3/28/2007
 CPY-DRT

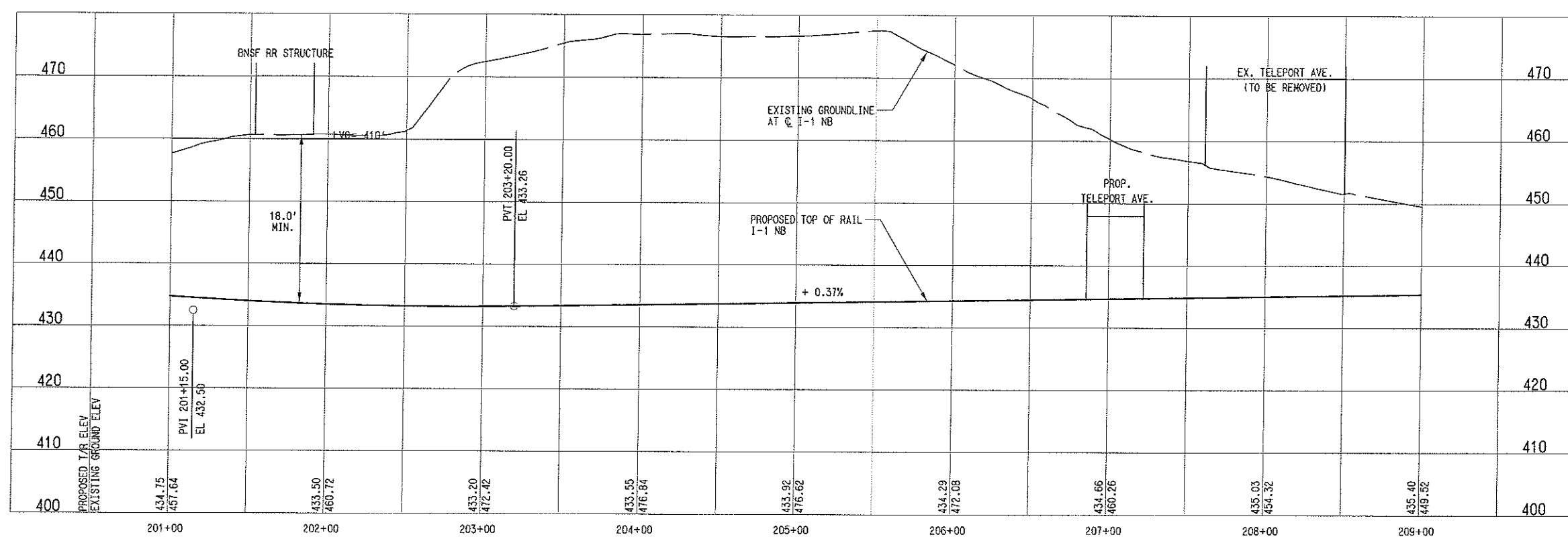


I1-0 (NB)		I1-NB (SB)	
Re=	530.00'	Re=	545.50'
Ls=	110.00'	Ls=	110.00'
Lc=	472.54'	Lc=	489.58'
Ea=	3.25°	Ea=	3.25°
Eu=	1.47°	Eu=	1.33°
V=	25 MPH	V=	25 MPH

- NOTES:
- FROM STA 142+00 TO STA 204+00, AN ENVELOPE FOR THE LRT IS BEING DESIGNED AND CONSTRUCTED BY TXDOT AS PART OF THE S.H. 114 IMPROVEMENT PROJECT. THE FINAL DESIGNER SHALL COORDINATE WITH TXDOT THROUGHOUT THE SH 114 CORRIDOR.

LEGEND

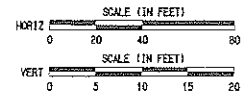
- STREET/ALLEY/ DRIVE RECONSTRUCTION
- STREET/ALLEY/ DRIVE CLOSURE
- STATION CONCOURSE/ PLATFORM (DEFERRED)



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

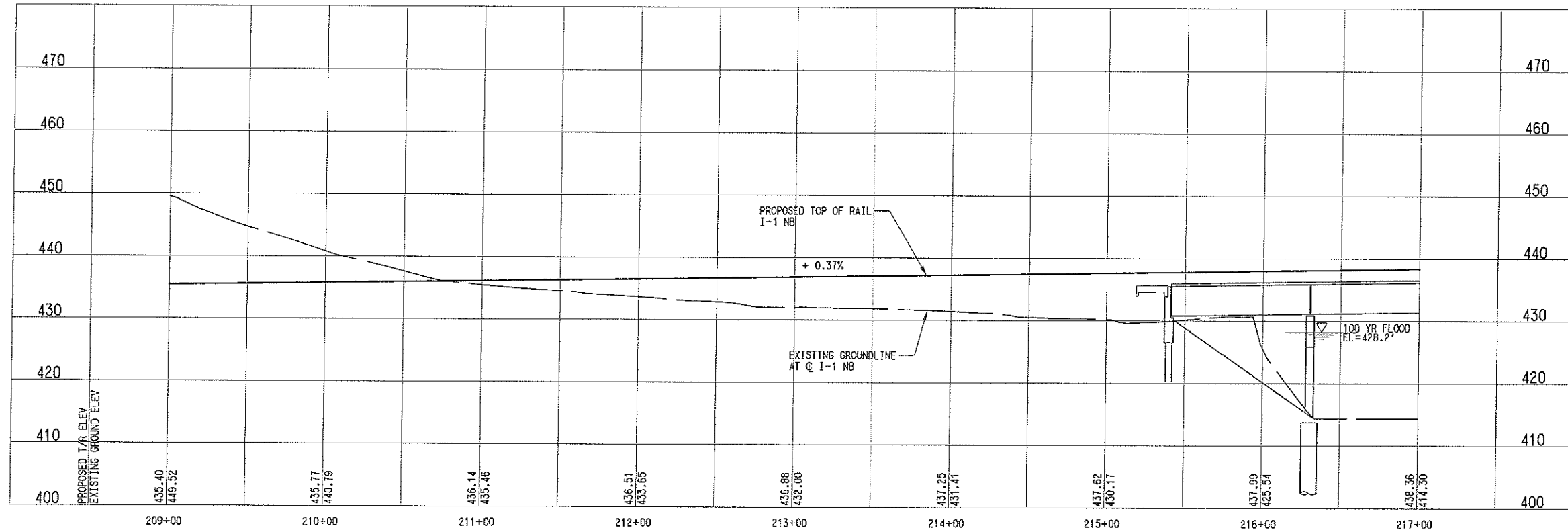
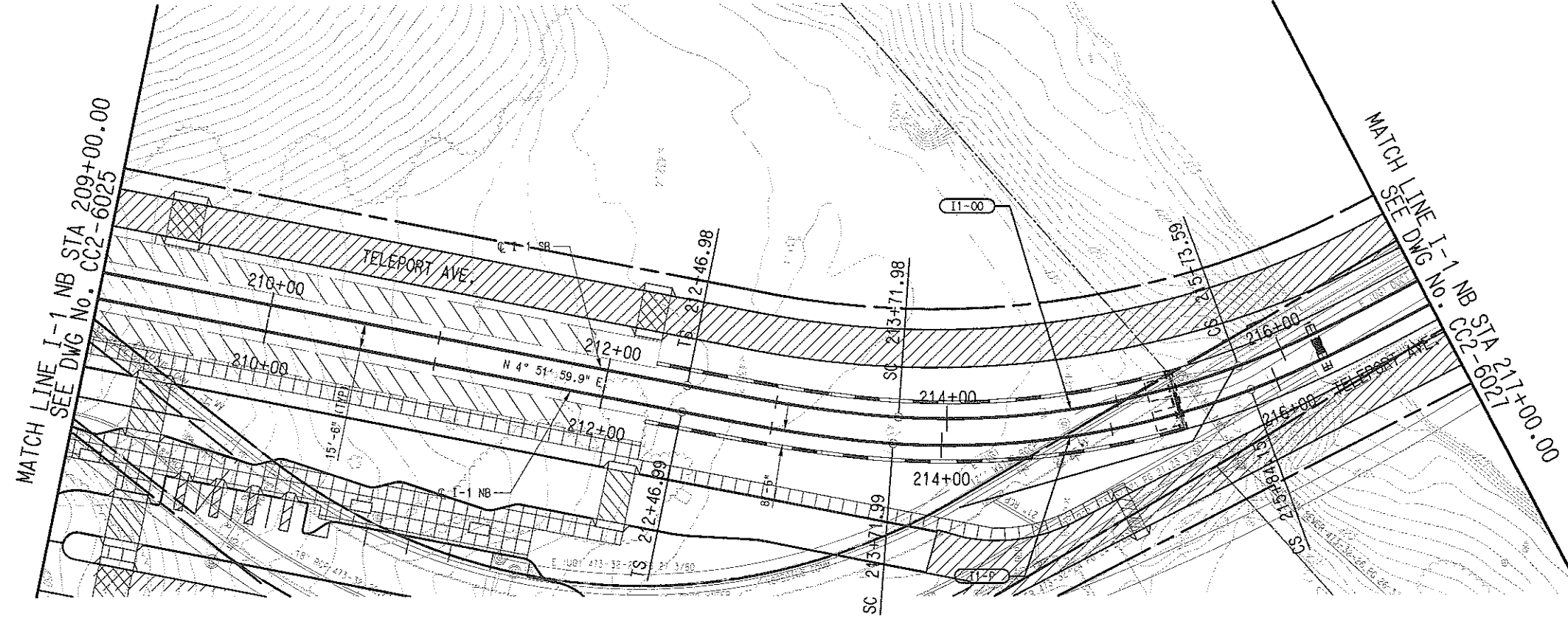
CONTRACT SHEET No. **60** OF

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				DRAWN R. THOMPSON				
				DESIGNED R. THOMPSON				
CHECKED J. TIPTON								
IN CHARGE J. TIPTON								
DATE 09 MAR 07		CONTRACT C-93775-1	DWG No. CC2-6025	REV				



I1-P (NB)		I1-00 (SB)	
Rc=	495.50'	Rc=	480.00'
Ls=	125.00'	Ls=	125.00'
Lc=	212.16'	Lc=	201.61'
Ea=	3.75°	Ea=	3.75°
Eu=	1.30°	Eu=	1.46°
V=	25 MPH	V=	25 MPH

LEGEND
 STREET/ALLEY/ DRIVE RECONSTRUCTION



NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **61** OF

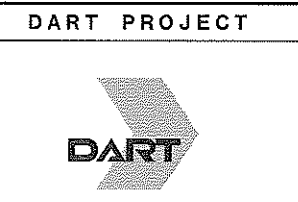
**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 GUIDEWAY PLAN AND PROFILE
 STA 209+00 TO STA 217+00**

CONTRACT **C-93775-1** DWG No. **CC2-6026** REV

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 005, 01/13/2007, 11:25:11, 10.25.27.31, 41.46
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 007, 01/13/2007, 11:25:11, 10.25.27.31, 41.46
 008, 01/13/2007, 11:25:11, 10.25.27.31, 41.46
 009, 01/13/2007, 11:25:11, 10.25.27.31, 41.46
 010, 01/13/2007, 11:25:11, 10.25.27.31, 41.46
 011, 01/13/2007, 11:25:11, 10.25.27.31, 41.46
 012, 01/13/2007, 11:25:11, 10.25.27.31, 41.46
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 014, 01/13/2007, 11:25:11, 10.25.27.31, 41.46
 015, 01/13/2007, 11:25:11, 10.25.27.31, 41.46

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REV	AND	OR	DATE	DESCRIPTION	BY	ENG	CHK	APP

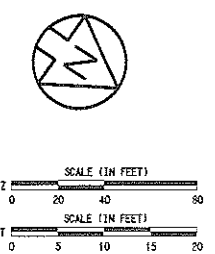
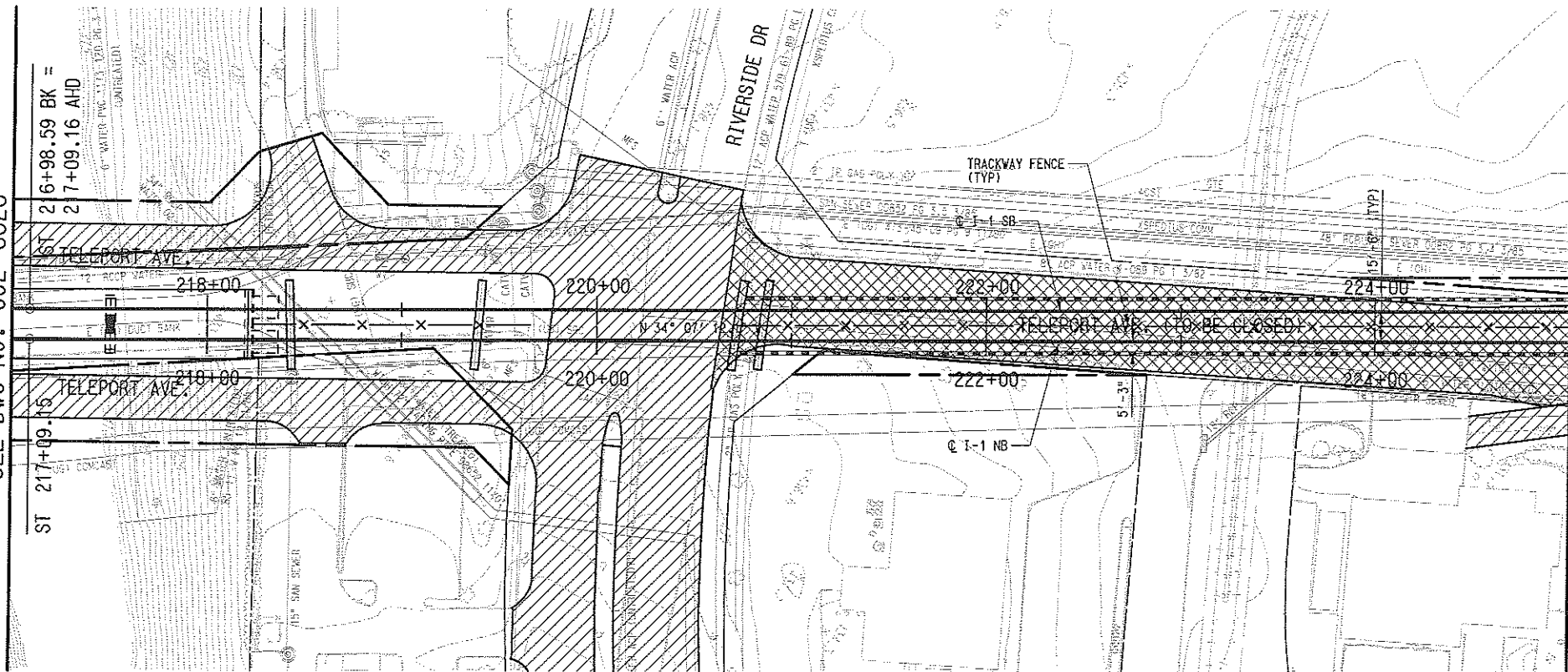
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07



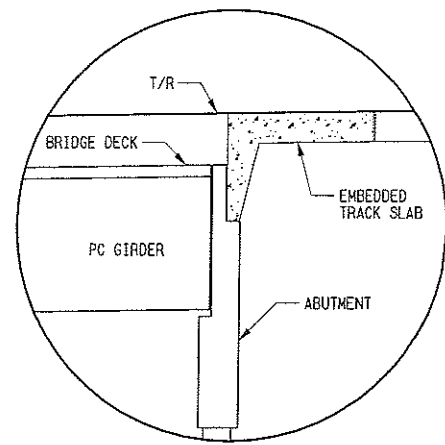
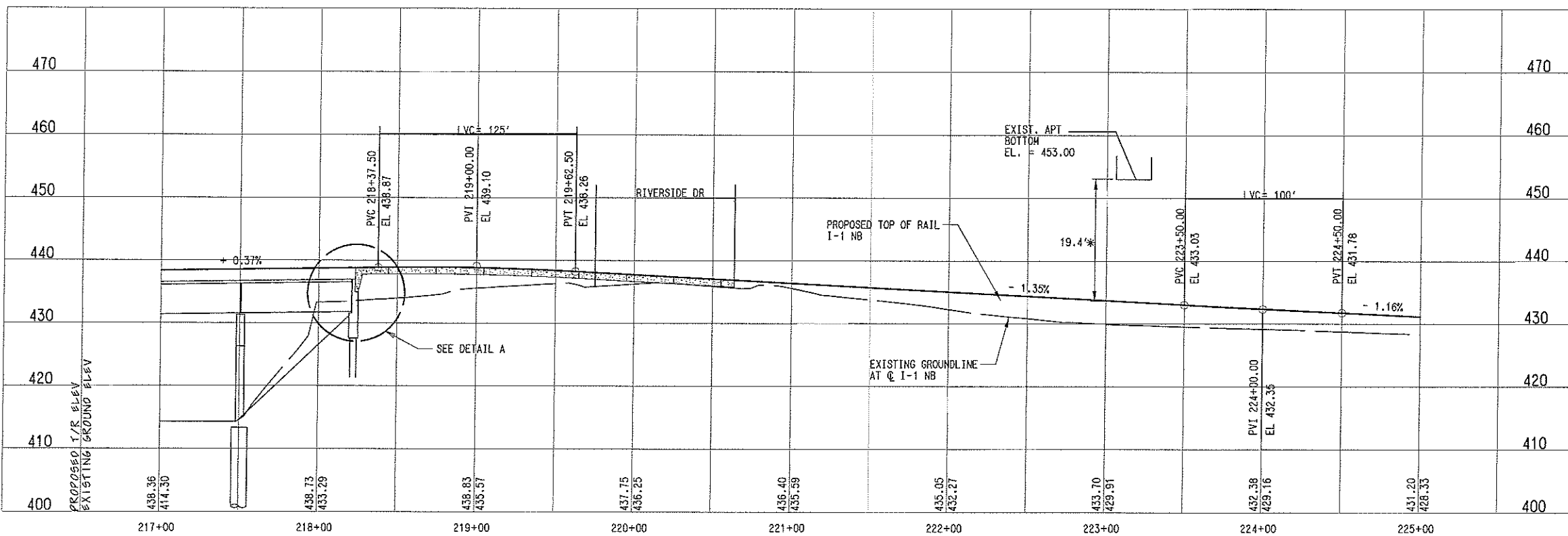
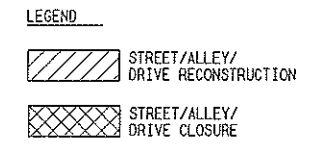
CONTRACT **C-93775-1** DWG No. **CC2-6026** REV

MATCH LINE I-1 NB STA 217+00.00
SEE DWG No. CC2-6026

MATCH LINE I-1 NB STA 225+00.00
SEE DWG No. CC2-6028



- NOTES:
1. THE '*' INDICATES A DESIGN EXCEPTION REQUIRED.
 2. FINAL DESIGNER SHALL ADDRESS THE REQUIREMENT FOR CATENARY SAFETY DEVICES PER VOLUME 1 CHAPTER 1, PART 1.9.3 OF THE FACILITIES DESIGN CRITERIA FOR THE APT CROSSING OVER THE LRT.



DETAIL A
NO SCALE

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **62** OF

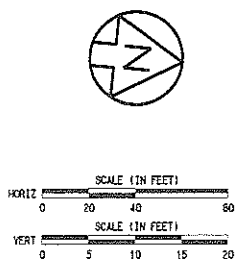
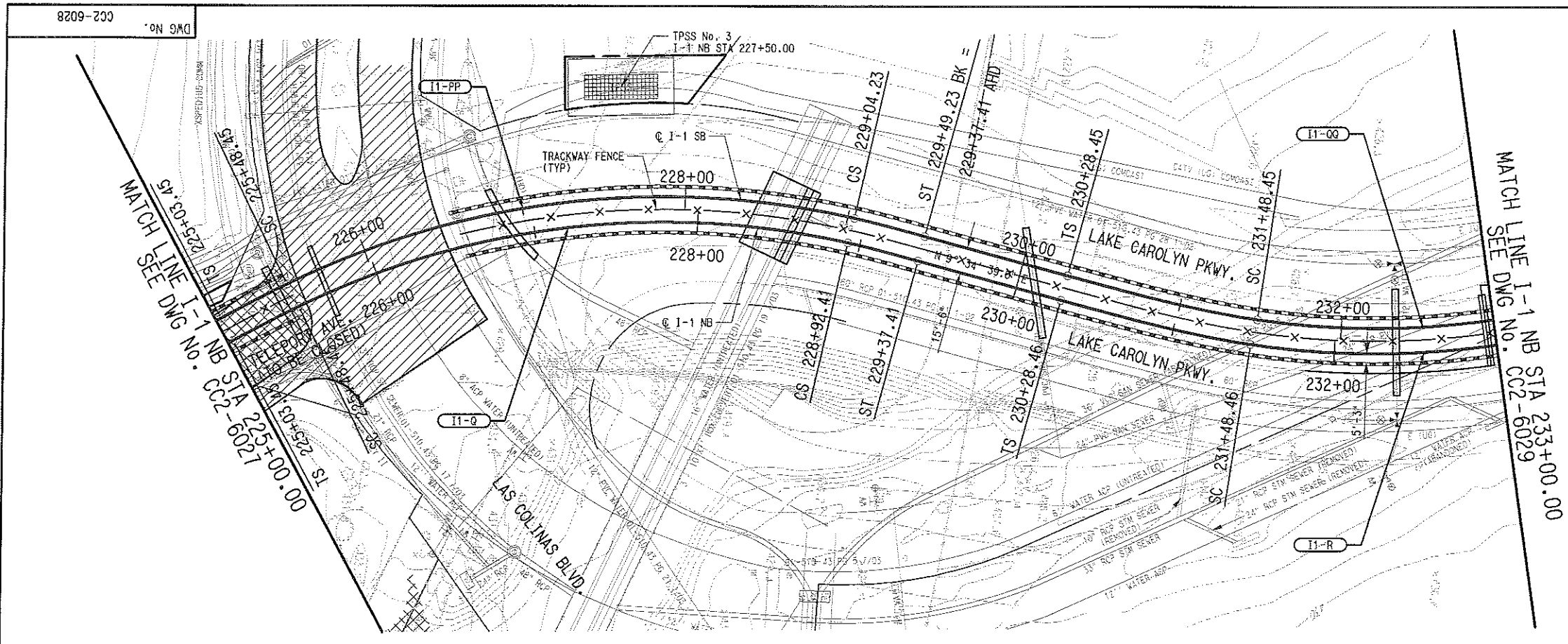
<p>IN-PROGRESS</p> <p>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF:</p> <p>JOHN TIPTON, P.E., NO. 61157</p> <p>ON 09 MAR 07</p> <p>IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</p>				<p>CP&Y</p> <p>Chiang, Patel & Yerby, Inc.</p>				<p>PARSONS</p> <p>PARSONS TRANSPORTATION GROUP, INC.</p> <p>15770 N. DALLAS PKVY - DALLAS, TX 75248</p>				<p>DART PROJECT</p>				<p>SCALE AS SHOWN</p> <p>DRAWN R. THOMPSON</p> <p>DESIGNED R. THOMPSON</p> <p>CHECKED J. TIPTON</p> <p>IN CHARGE J. TIPTON</p> <p>DATE 09 MAR 07</p>				<p>LIGHT RAIL TRANSIT SYSTEM LINE SECTION I-1</p> <p>GUIDEWAY PLAN AND PROFILE STA 217+00 TO STA 225+00</p>			
REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP	CONTRACT	C-93775-1	DWG No.	CC2-6027	REV										

11/11/2007 11:11:28 AM
9:15:32 AM
3/25/2007
CPY-DART

PH NOTATION: 0.00000
V-CARNEGIVENTABLES.DWG.1.TB1

REG. RAJIKUMAR, 11-15-11-19-25-27-31-31-41-46
MODIFY. RAJIKUMAR, 2-30-35-37-61
TOPOG. RAJIKUMAR, 2-5-8-11-13-18-20-21-25-28-31-35-36-40-52
PBM. RAJIKUMAR, 1-4-7-14-16-51
UTIL. RAJIKUMAR, 1-19-21-60

ALLEN. RAJIKUMAR, 1-05-47-50
BREL. RAJIKUMAR, 6-10-15-17
SITE. RAJIKUMAR, 1-3-28-34-42
CIVIL. RAJIKUMAR, 1-3-61
UTL. RAJIKUMAR, 1-1-51

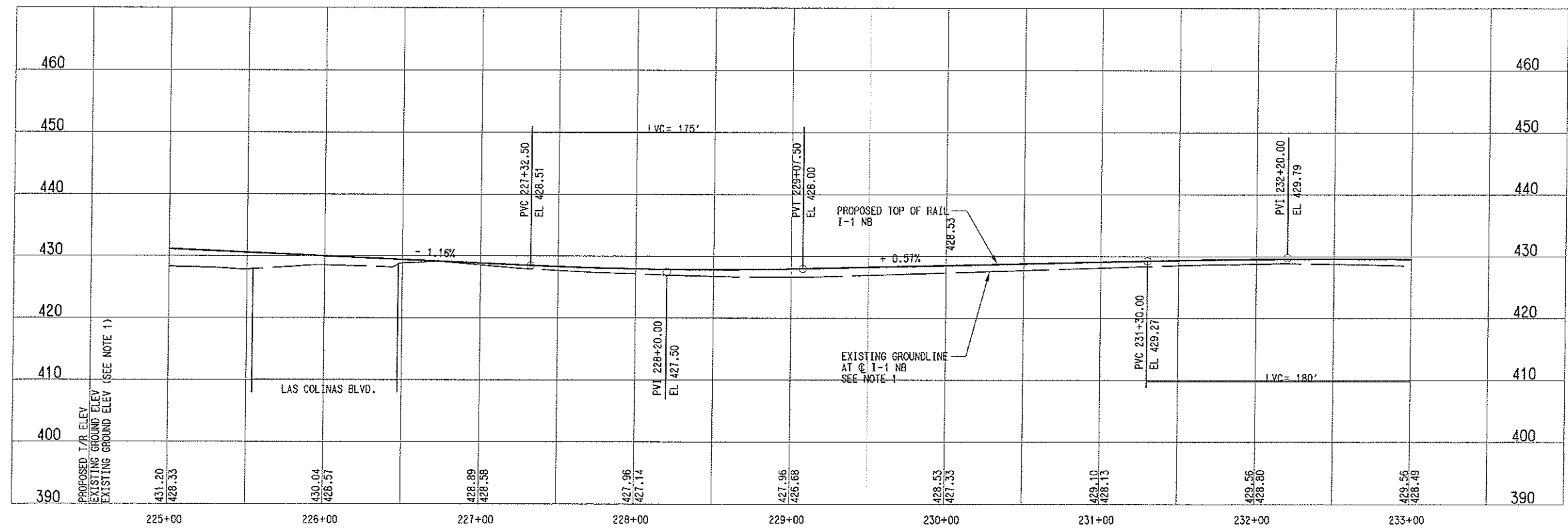


I1-Q (NB)	I1-PP (SB)
Re= 510.00'	Re= 525.50'
Ls= 45.00'	Ls= 45.00'
Lc= 343.96'	Lc= 355.78'
Ea= 0.50°	Ea= 0.50°
Eu= 2.64°	Eu= 2.54°
V= 20 MPH	V= 20 MPH
I1-R (NB)	I1-QQ (SB)
Re= 515.50'	Re= 500.00'
Ls= 120.00'	Ls= 120.00'
Lc= 212.91'	Lc= 202.90'
Ea= 3.50°	Ea= 3.50°
Eu= 1.35°	Eu= 1.50°
V= 25 MPH	V= 25 MPH

- NOTES:
1. THE EXISTING GROUNDLINE WAS DEVELOPED BASED ON AS-BUILTS OF LAKE CAROLYN PARKWAY. FINAL DESIGNER SHALL VERIFY EXISTING GROUNDLINE.
 2. PROPOSED TPSS LOCATIONS ARE PRELIMINARY. FINAL DESIGNER SHALL COORDINATE THE FINAL LOCATIONS.
 3. SUBSTATION SITE SHALL ACCOMMODATE TRACTION POWER SUBSTATION, SPDC, AND COMMUNICATION BUNGALOW. ACCESS ROAD TO SITE SHALL BE DETERMINED DURING THE FINAL DESIGN PHASE.

LEGEND

- STREET/ALLEY/ DRIVE RECONSTRUCTION
- STREET/ALLEY/ DRIVE RECONSTRUCTION
- TPSS



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

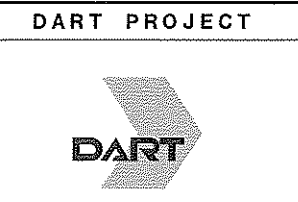
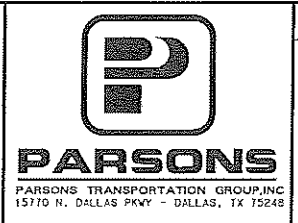
CONTRACT SHEET No. **63** OF

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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JOHN TIPTON, P.E., NO. 51157
ON 09 MAR 07

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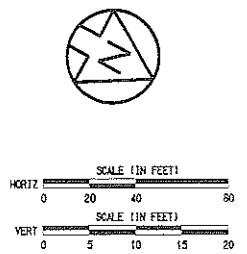
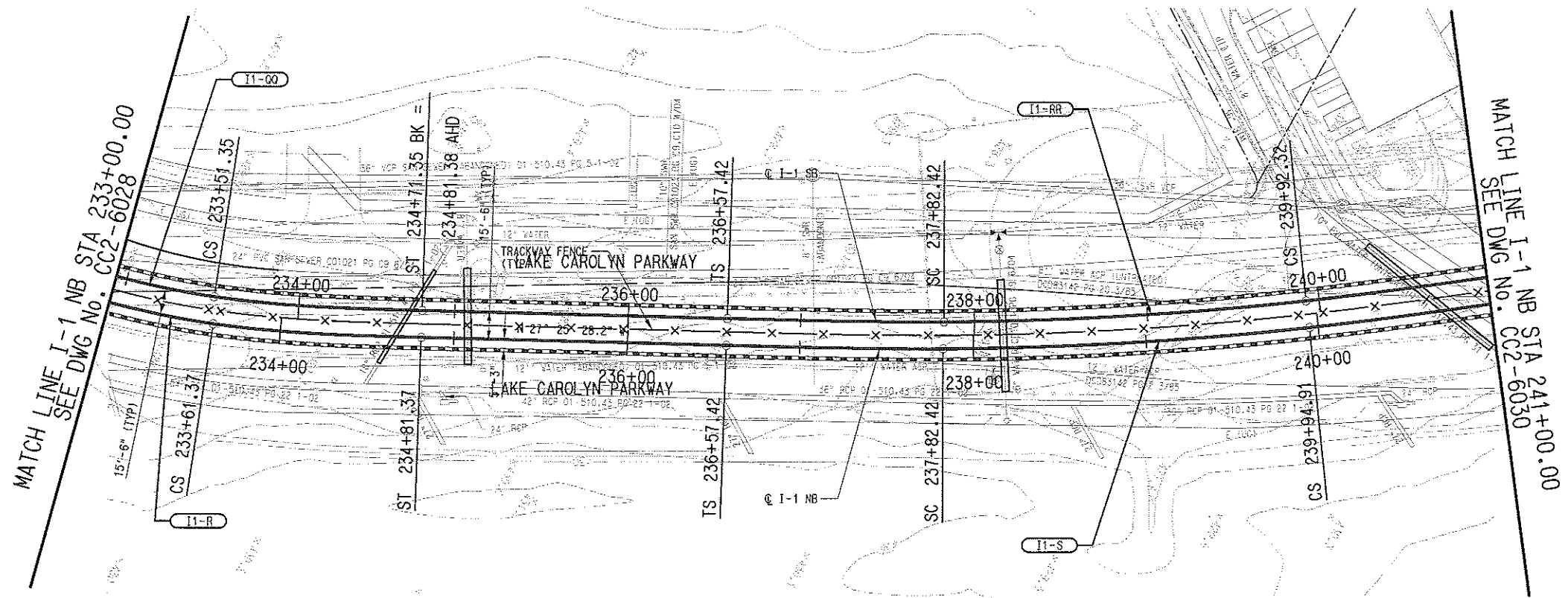
DART PROJECT

SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1**

**GUIDEWAY PLAN AND PROFILE
STA 225+00 TO STA 233+00**

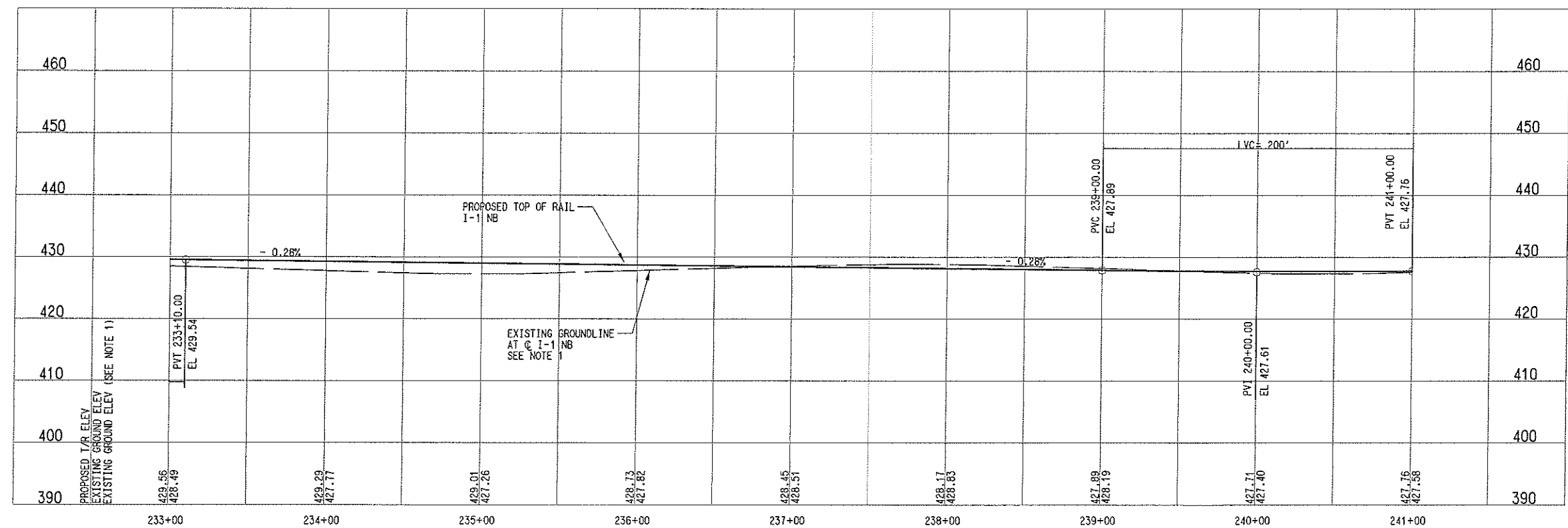
CONTRACT C-93775-1 DWG No. CC2-6028 REV



I1-R (NB)		I1-S (NB)	
Rc=	515.50'	Rc=	2025.00'
Ls=	120.00'	Ls=	125.00'
Lc=	212.91'	Lc=	212.48'
Ea=	3.50°	Ea=	2.50°
Eu=	1.35°	Eu=	1.50°
V=	25 MPH	V=	45 MPH

I1-GO (SB)		I1-RR (SB)	
Rc=	500.00'	Rc=	2009.50'
Ls=	120.00'	Ls=	125.00'
Lc=	202.90'	Lc=	209.90'
Ea=	3.50°	Ea=	2.50°
Eu=	1.50°	Eu=	1.53°
V=	25 MPH	V=	45 MPH

NOTES:
 1. THE EXISTING GROUNDLINE WAS DEVELOPED BASED ON AS-BUILTS OF LAKE CAROLYN PARKWAY. FINAL DESIGNER SHALL VERIFY EXISTING GROUNDLINE.



NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **64** OF

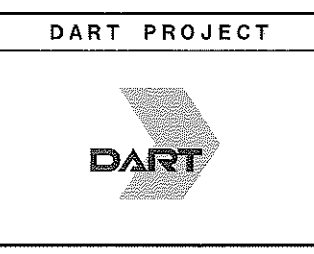
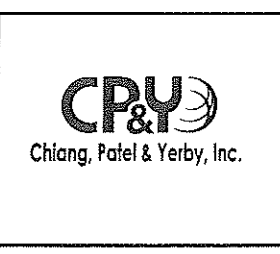
ROW, RA11X14R1001, 11-15-11-10-25-27, 31, 41, 46
 MODIFY, RA11X14R1001, 2-30-35, 37-61
 TPO, RA11X14R1001, 2-5-0-11-13-18-20-21, 23, 25, 31, 35-36, 40, 42
 PSW, RA11X14R1001, 1-4, 7-14, 16-51
 UTIL, RA11X14R1001, 1-10, 21-60
 ALOR, RA11X14R1001, 1-45, 47-60
 BR, RA11X14R1001, 6-10, 15-17
 SITE, RA11X14R1001, 1-3, 5-32, 34-52
 CIVIL, RA11X14R1001, 1, 3-61
 UTIL, RA11X14R1001, 1-61

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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 ON 09 MAR 07

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SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	05 MAR 07

CAES

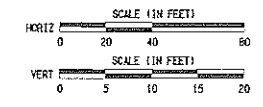
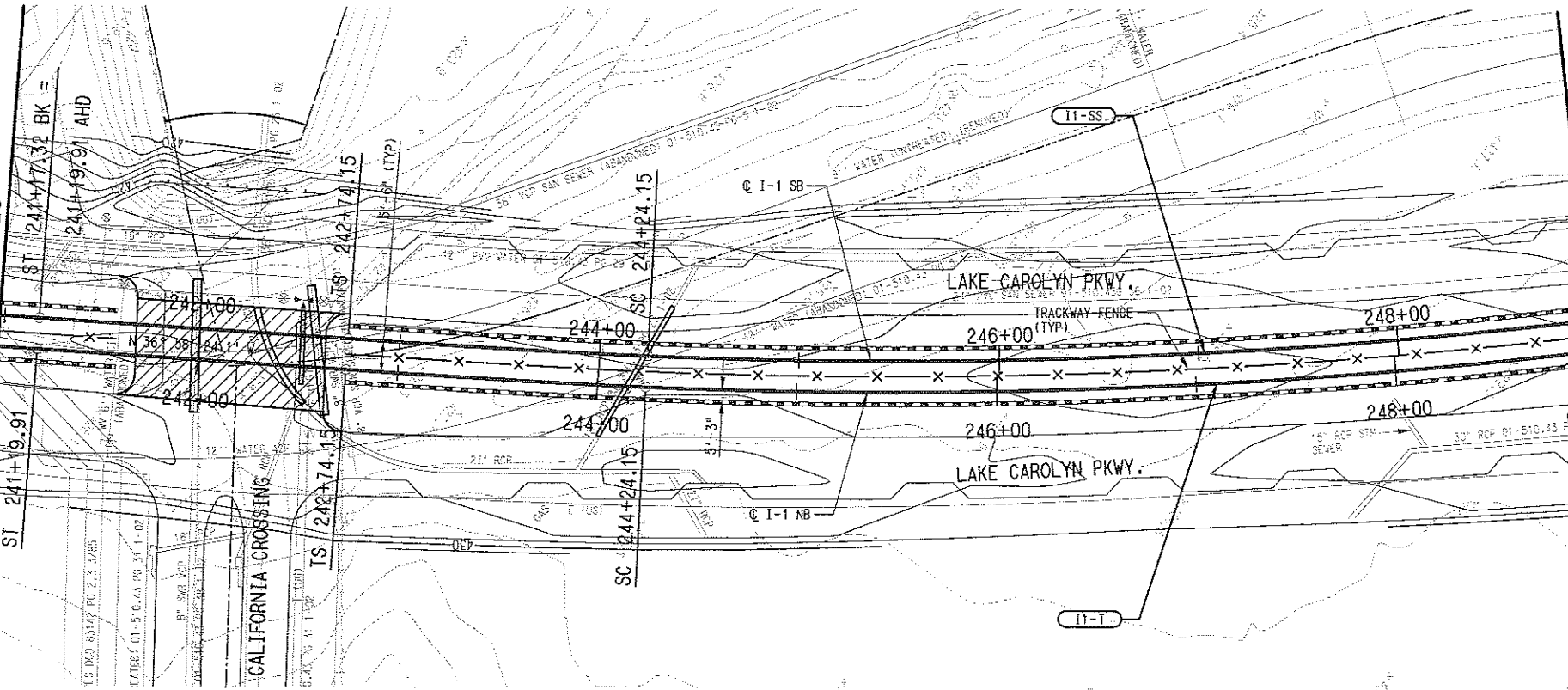
CONTRACT C-93775-1

DWG No. CC2-6029

REV

MATCH LINE I-1 NB STA 241+00.00
SEE DWG No. CC2-6029

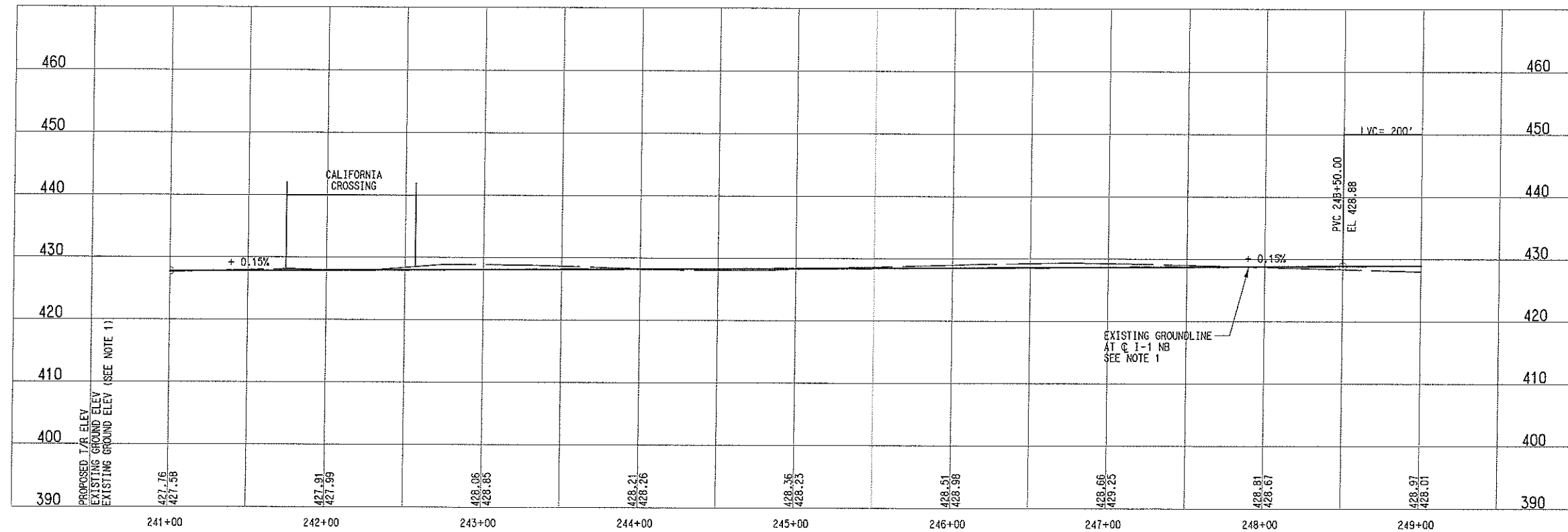
MATCH LINE I-1 NB STA 249+00.00
SEE DWG No. CC2-6031



I1-T (NB)		I1-SS (SB)	
Re=	3025.00'	Re=	3009.50'
Ls=	150.00'	Ls=	150.00'
Lc=	556.73'	Lc=	553.11'
Ea=	2.50"	Ea=	2.50"
Eu=	1.50"	Eu=	1.52"
V=	55 MPH	V=	55 MPH

NOTES:
1. THE EXISTING GROUNDLINE WAS DEVELOPED BASED ON AS-BUILTS OF LAKE CAROLYN PARKWAY. FINAL DESIGNER SHALL VERIFY EXISTING GROUNDLINE.

LEGEND
 STREET/ALLEY/ DRIVE RECONSTRUCTION



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **65** OF

1-15-11-19-25-27-31-41-46
 2-5-8-11-13-18-20-21-25-29-31-35-36-40-52
 1-4-7-14-16-61
 1-19-21-60
 1-45-47-60
 5-10-15-17
 1-23-24-34-82
 1-3-61

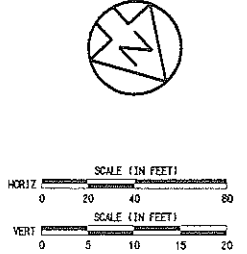
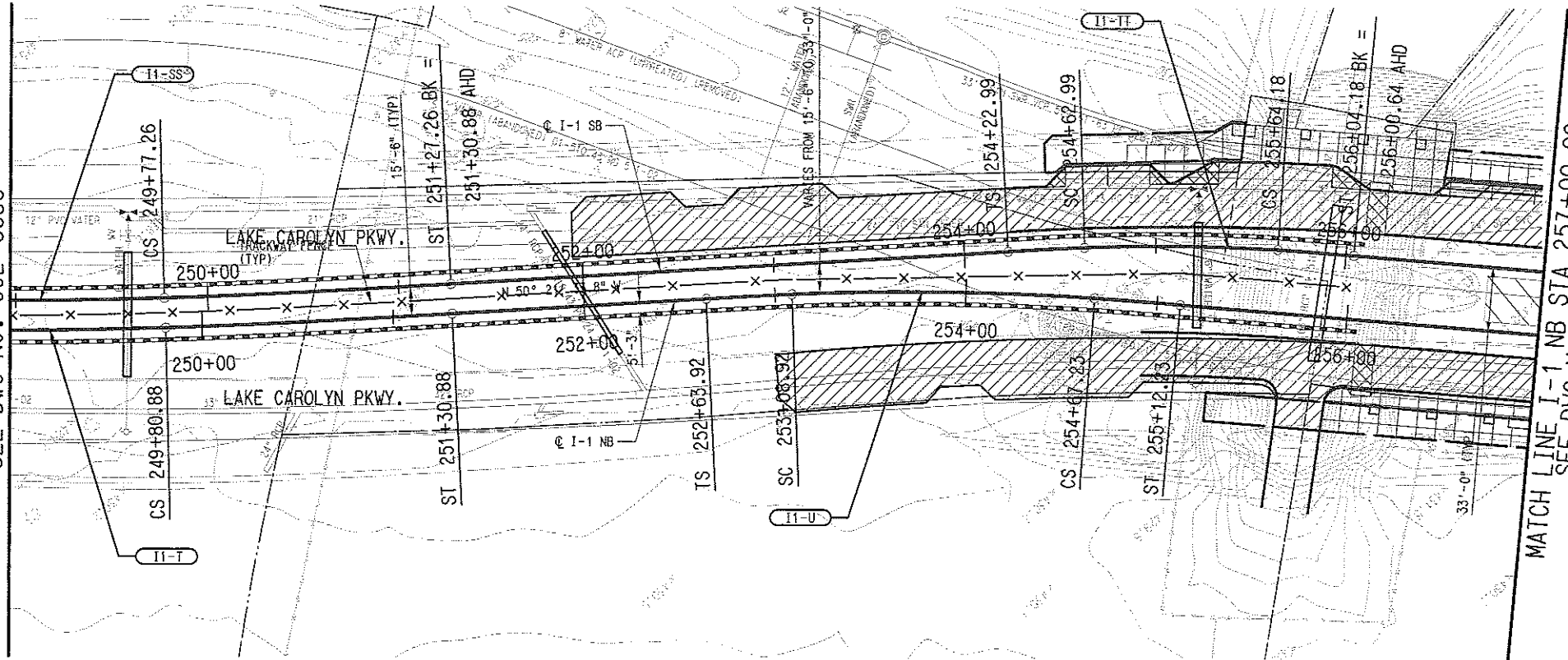
REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS
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 JOHN TIPTON, P.E., NO. 81157
 ON 09 MAR 07
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 Chiang, Patel & Yerby, Inc.	 PARSONS PARSONS TRANSPORTATION GROUP, INC. 15770 N. DALLAS PKWY - DALLAS, TX 75248		SCALE AS SHOWN	LIGHT RAIL TRANSIT SYSTEM LINE SECTION I-1 GUIDEWAY PLAN AND PROFILE STA 241+00 TO STA 249+00
			DRAWN R. THOMPSON	
			DESIGNED R. THOMPSON	
CHECKED J. TIPTON				
IN CHARGE J. TIPTON				
CONTRACT C-93775-1			DWG No. CC2-6030	REV

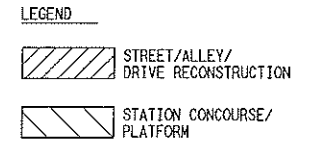
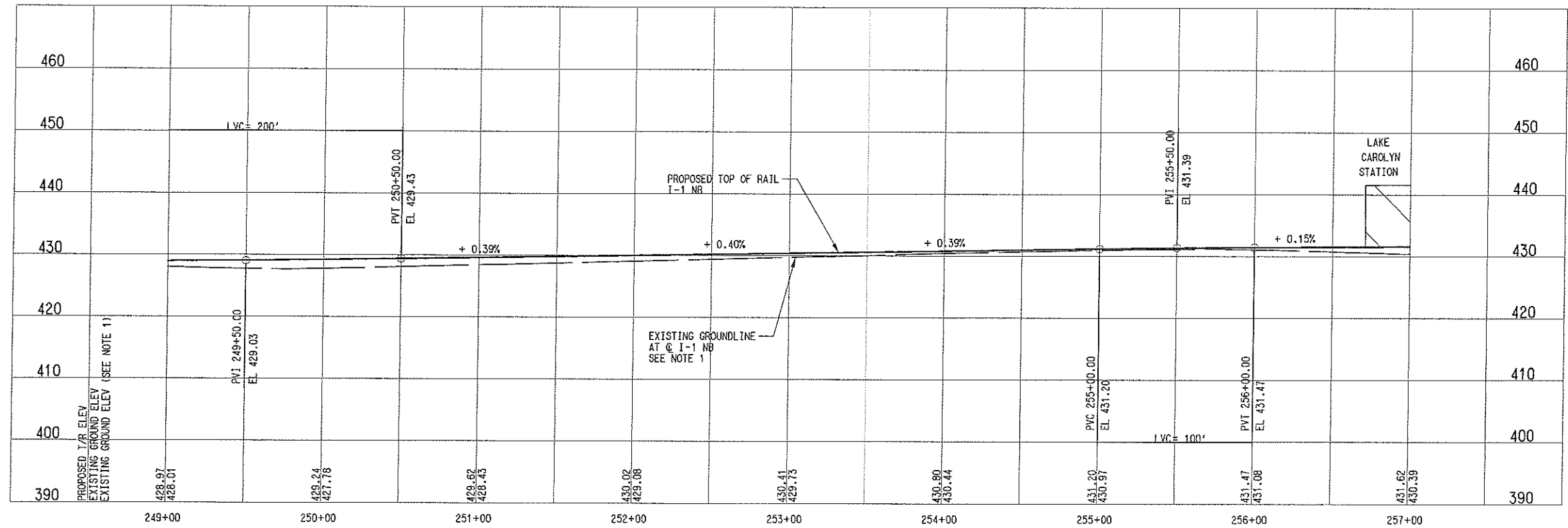
MATCH LINE I-1 NB STA 249+00.00
SEE DWG No. CC2-6030

MATCH LINE I-1 NB STA 257+00.00
SEE DWG No. CC2-6032



II-T	(NB)	II-SS	(SB)
Rc=	3025.00'	Rc=	3009.50'
Ls=	150.00'	Ls=	150.00'
Lc=	556.73'	Lc=	553.11'
Ea=	2.50"	Ea=	2.50"
Eu=	1.50"	Eu=	1.52"
V=	55 MPH	V=	55 MPH
II-U	(NB)	II-TT	(SB)
Rc=	1440.00'	Rc=	1000.00'
Ls=	45.00'	Ls=	40.00'
Lc=	158.31'	Lc=	101.18'
Ea=	1.00"	Ea=	1.00"
Eu=	1.50"	Eu=	1.50"
V=	30 MPH	V=	25 MPH

NOTES:
1. THE EXISTING GROUNDLINE WAS DEVELOPED BASED ON AS-BUILTS OF LAKE CAROLYN PARKWAY. FINAL DESIGNER SHALL VERIFY EXISTING GROUNDLINE.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 66 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
STA 249+00 TO STA 257+00

ALOR, RAYNAIR001.000, 1-45-07-06
 BRG, RAYNAIR001.000, 6-10-05-17
 SITE, RAYNAIR001.000, 1-3-03-34-02
 CIVIL, RAYNAIR001.000, 1-3-01
 UTILITY, RAYNAIR001.000, 1-10-01-00
 PSPK, RAYNAIR001.000, 1-4-7-14-16-01
 TORO, RAYNAIR001.000, 2-5-08-11-13-18-20-01, 25-29-31-35-36-40-02
 MODIFY, RAYNAIR001.000, 2-5-08-35-37-01
 ROK, RAYNAIR001.000, 11-15-17-19-25-27-31-41-46

REV	AMEND	CR	DATE	DESCRIPTION

IN-PROGRESS

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JOHN TIPTON, P.E., NO. 61157
ON 09 MAR 07

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Chiang, Patel & Yerby, Inc.

PARSONS
PARSONS TRANSPORTATION GROUP, INC.
15770 N. DALLAS PKWY - DALLAS, TX 75248

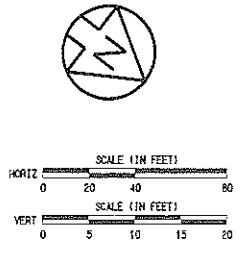
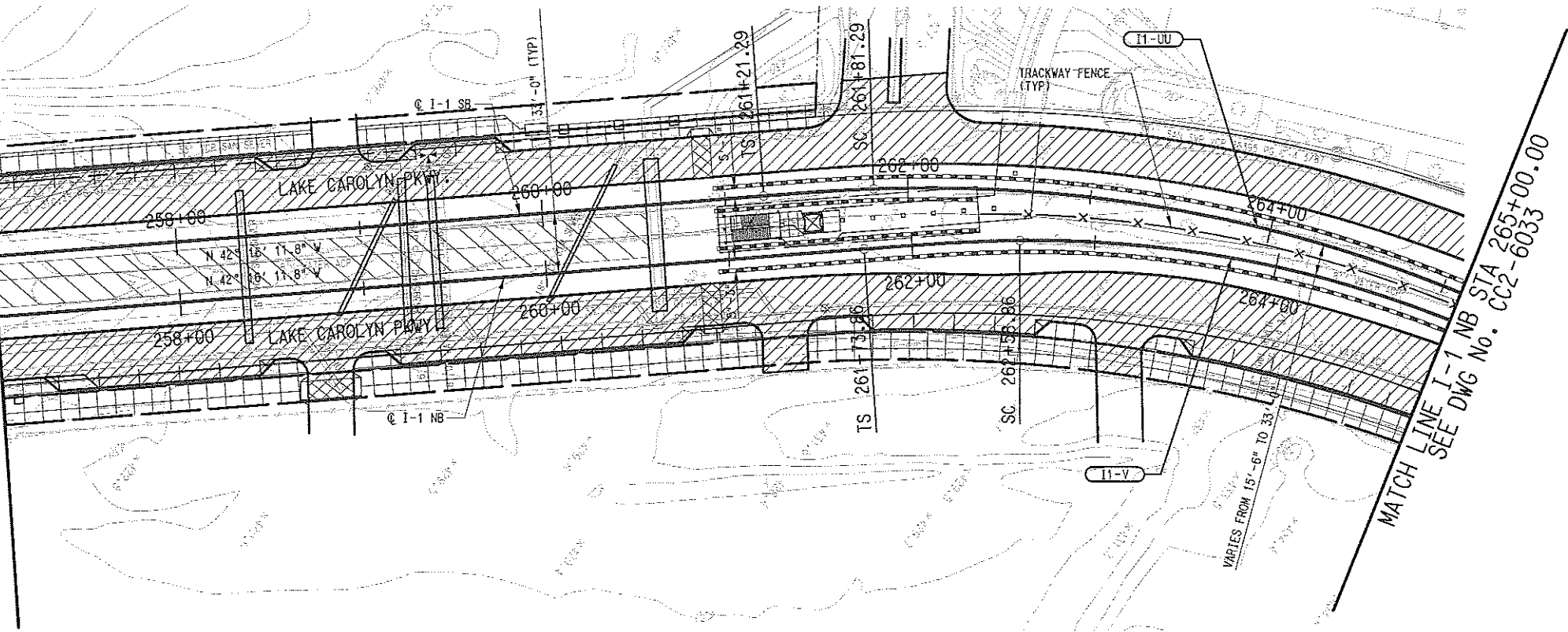
DART PROJECT

SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT	DWG No.	REV
C-93775-1	CC2-6031	

MATCH LINE I-1 NB STA 257+00.00
SEE DWG No. CC2-6031

MATCH LINE I-1 NB STA 265+00.00
SEE DWG No. CC2-6033



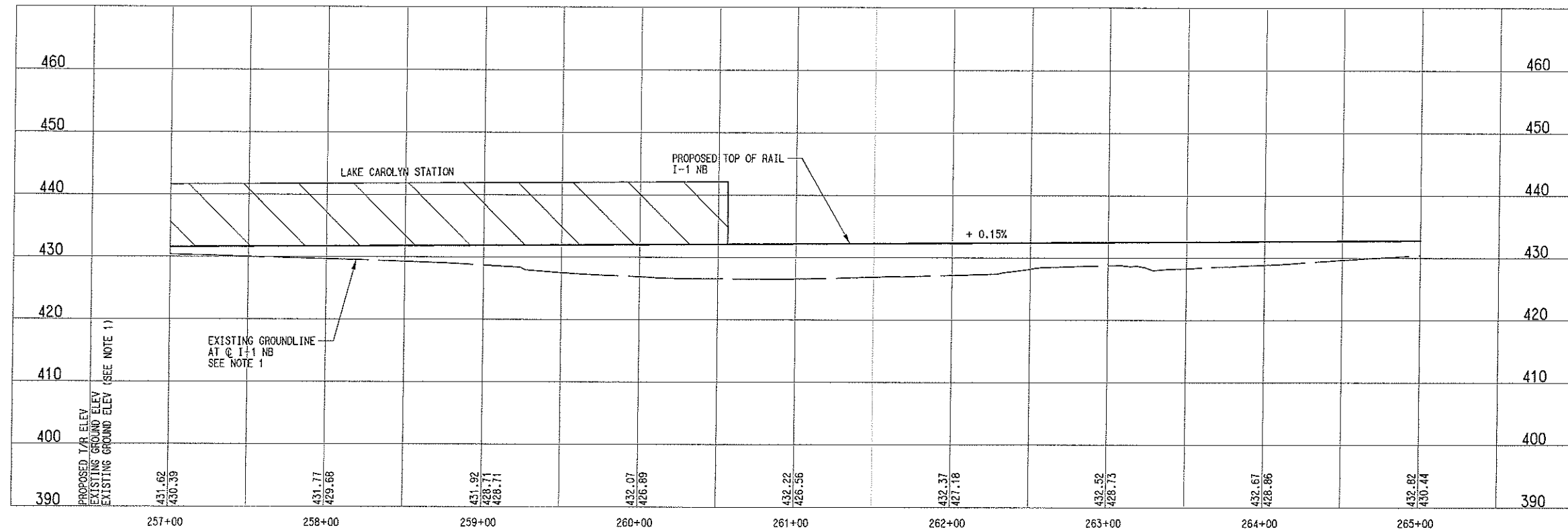
I1-V (NB)	
Rc=	625.00'
Ls=	85.00'
Lc=	264.03'
Ea=	2.50"
Eu=	1.50"
V=	25 MPH

I1-UU (SB)	
Rc=	770.00'
Ls=	60.00'
Lc=	370.00'
Ea=	1.75"
Eu=	1.50"
V=	25 MPH

- NOTES:
1. THE EXISTING GROUNDLINE WAS DEVELOPED BASED ON AS-BUILTS OF LAKE CAROLYN PARKWAY. FINAL DESIGNER SHALL VERIFY EXISTING GROUNDLINE.
 2. FINAL DESIGNER SHALL ADDRESS THE REQUIREMENT FOR CATENARY SAFETY DEVICES PER VOLUME 1 CHAPTER 1, PART 1.9.3 OF THE FACILITIES DESIGN CRITERIA FOR THE FUTURE CONNECTION TO APT CROSSING OVER THE LRT.

LEGEND

	STREET/ALLEY/ DRIVE RECONSTRUCTION
	STATION CONCOURSE/ PLATFORM



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **67** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
GUIDEWAY PLAN AND PROFILE
STA 257+00 TO STA 265+00

IN-PROGRESS

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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPPIEN
IN CHARGE	J. TIPPIEN
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. CC2-6032

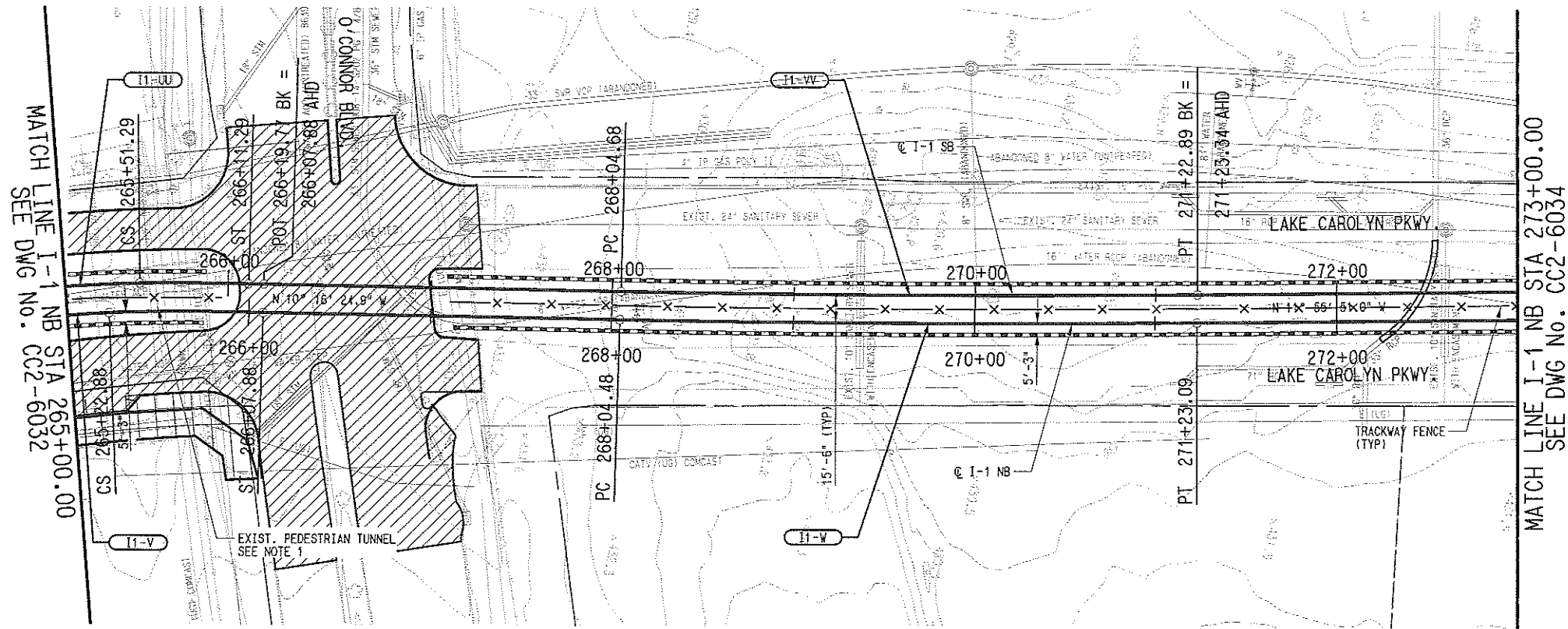
1-14-10
9:16:32 AM
3/26/2007
CPY-DRT

PRE: 01010000
V:\CAD\INVENT\BEN\Drawn\1-11

066, R:\ATX\B\B\B\1.000, 1-15-17-19-20-21-21-41-46
MODIFY, R:\ATX\B\B\B\1.000, 2-30-35-37-61
0091, R:\ATX\B\B\B\1.000, 2-5-8-11,13-18-20-21,23,29,31,35-36,49,52
PSTM, R:\ATX\B\B\B\1.000, 1-4-7-14,16-61
UTL, R:\ATX\B\B\B\1.000, 1-19,21-60

ALBK, R:\ATX\B\B\B\1.000, 1-40-47-60
000, R:\ATX\B\B\B\1.000, 6-10,15-17
SITE, R:\ATX\B\B\B\1.000, 1-33-32,34-62
CIVIL, R:\ATX\B\B\B\1.000, 1-3-61
JTEP, R:\ATX\B\B\B\1.000, 1-61

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP



I1-V (NB)

Re=	625.00'
Ls=	85.00'
Lc=	264.03'
Ea=	2.50°
Eu=	1.50°
V=	25 MPH

I1-UU (SB)

Re=	770.00'
Ls=	60.00'
Lc=	370.00'
Ea=	1.75°
Eu=	1.50°
V=	25 MPH

I1-V (NB)

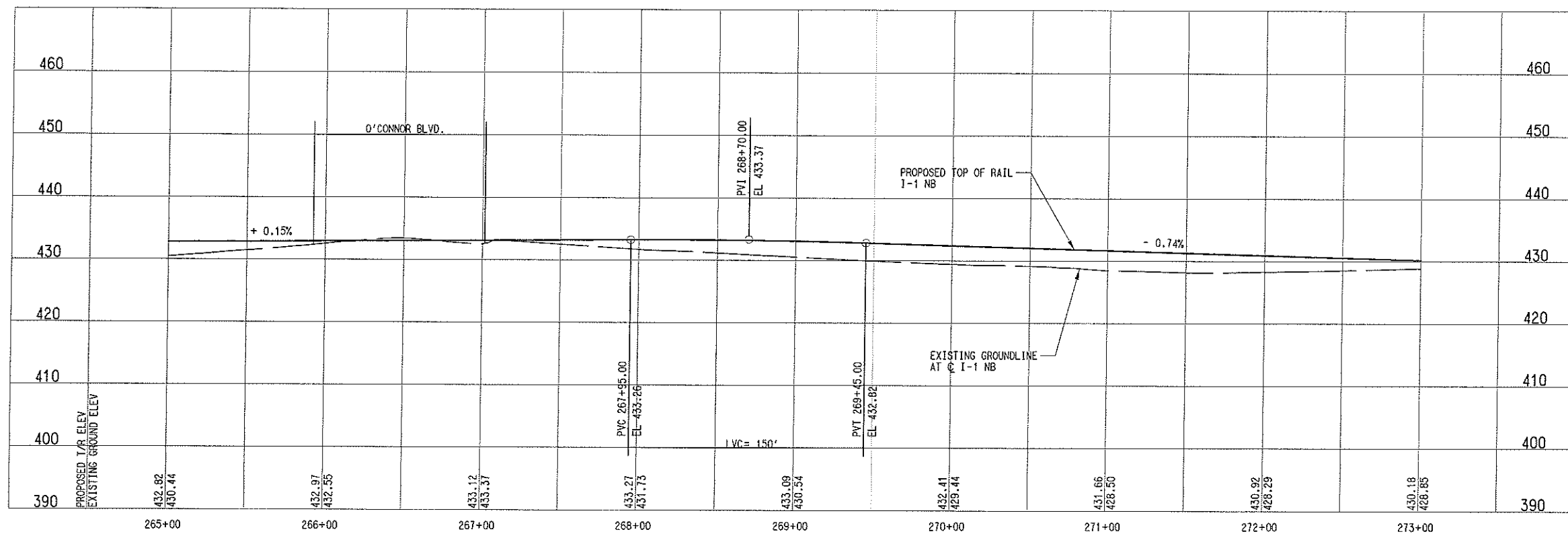
Re=	11015.50'
Ls=	0.00'
Lc=	318.61'
Ea=	0.00°
Eu=	1.53°
V=	65 MPH

I1-VV (SB)

Re=	11000.00'
Ls=	0.00'
Lc=	318.21'
Ea=	0.00°
Eu=	1.54°
V=	65 MPH

NOTES:
 1. FINAL DESIGNER SHALL VERIFY THE HORIZONTAL & VERTICAL LOCATION OF THE EXISTING PEDESTRIAN TUNNEL CROSSING LAKE CAROLYN BLVD.

LEGEND
 STREET/ALLEY/ DRIVE RECONSTRUCTION



NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **68** OF

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 GUIDEWAY PLAN AND PROFILE
 STA 265+00 TO STA 273+00**

IN-PROGRESS

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 ON 09 MAR 07
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DART PROJECT



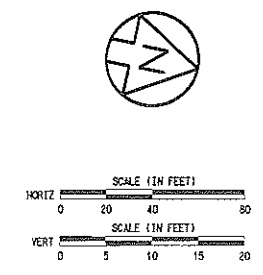
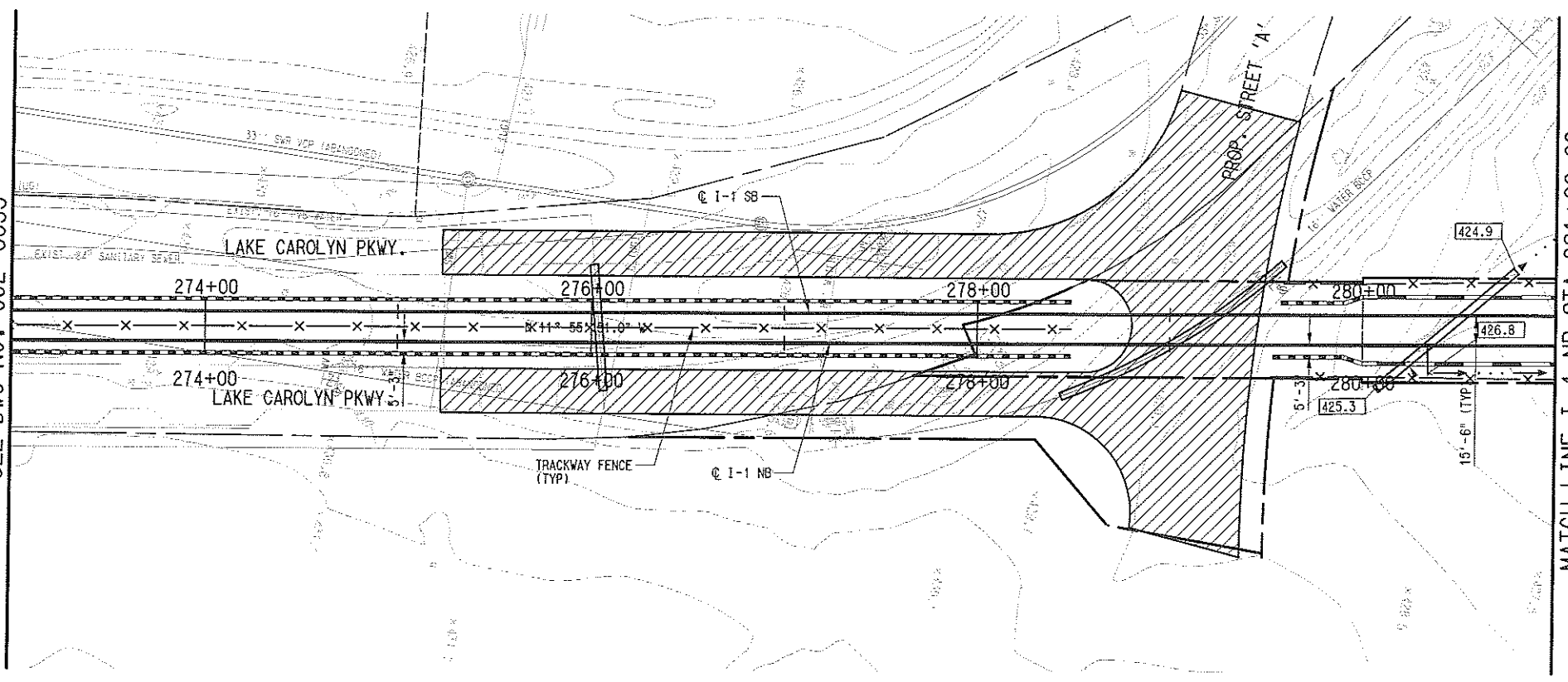
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	CC2-6033	REV
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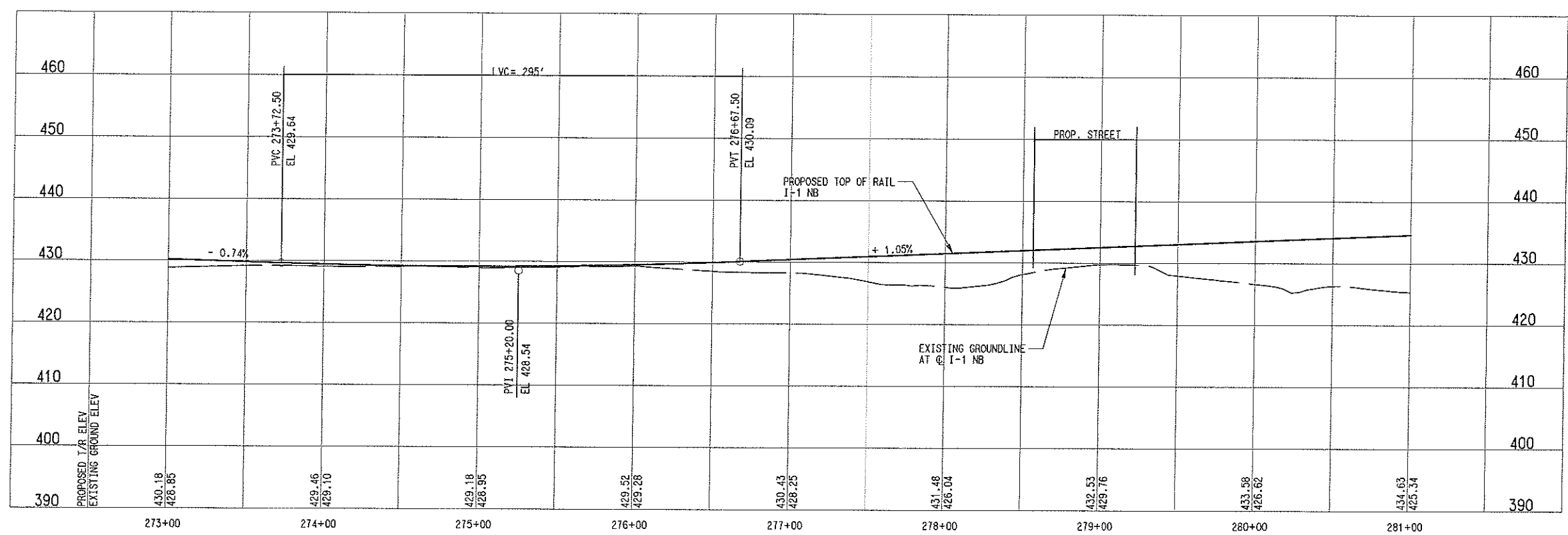
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 SITE, RA11X191R1.000, 1-13-05-24-62
 CIVL, RA11X191R1.000, 1-13-06
 UTLP, RA11X191R1.000, 1-19-07
 RDR, RA11X191R1.000, 11-25-17-19-23-27-31-41-46
 MODIFY, RA11X191R1.000, 1-30-05-37-61
 TROD, RA11X191R1.000, 2-5-06-11-13-18-20-21-23-25-27-31-35-36-40-52
 PSTM, RA11X191R1.000, 1-4-07-14-16-61
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 DATE: 9/16/06 AM
 3/26/2007
 CPU: BART

MATCH LINE I-1 NB STA 273+00.00
SEE DWG No. CC2-6033

MATCH LINE I-1 NB STA 281+00.00
SEE DWG No. CC2-6035



LEGEND
 STREET/ALLEY/ DRIVE RECONSTRUCTION



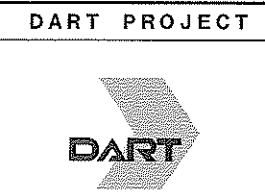
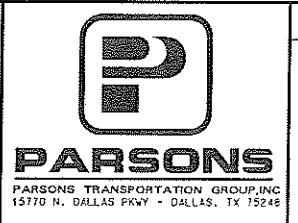
NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **69** OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 GUIDEWAY PLAN AND PROFILE
 STA 273+00 TO STA 281+00

IN-PROGRESS

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF:
 JOHN TIPTON, P.E. NO. 61157
 ON 09 MAR 07
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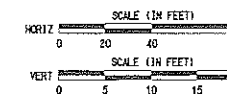


SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. CC2-6034 REV

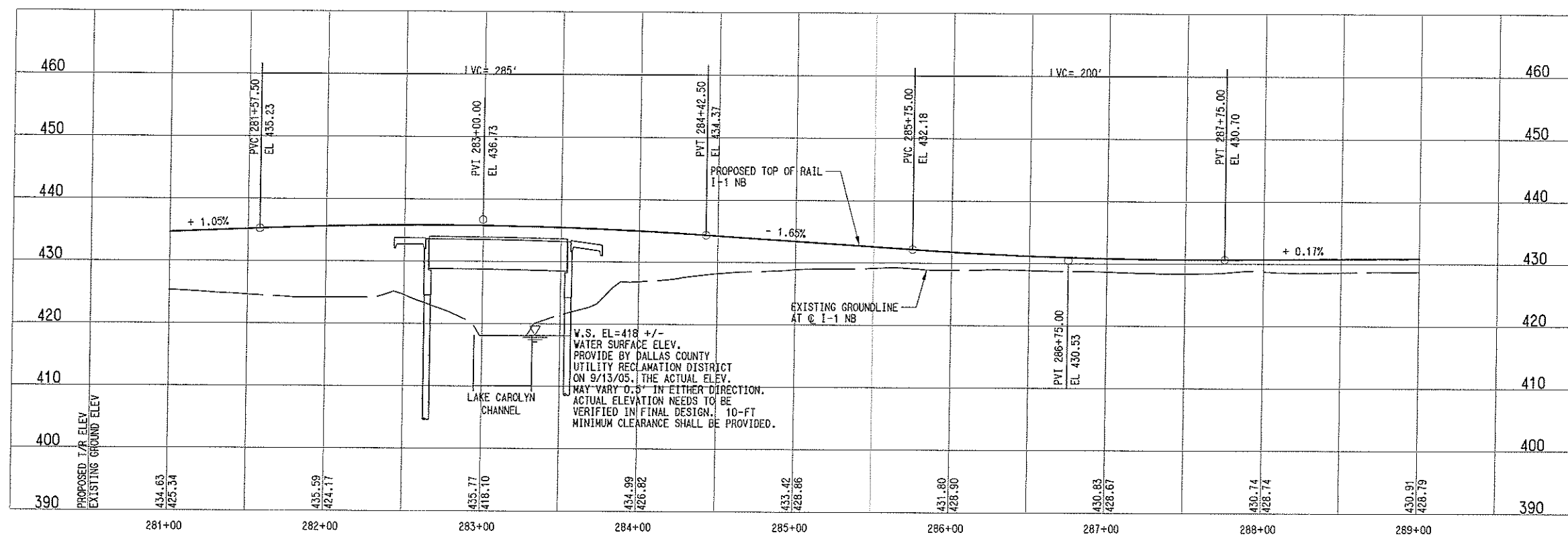
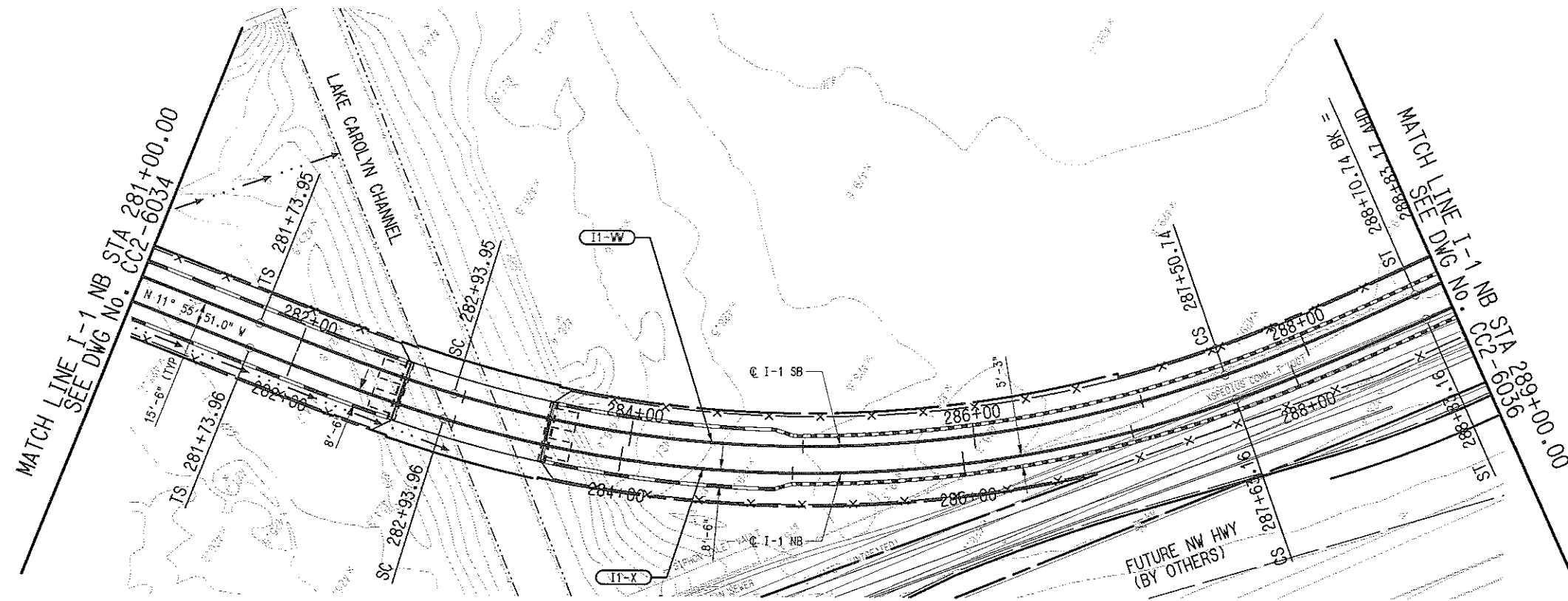
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 STE, RANVA/IRW/1.000, 1-3-05-26-34-02
 CIVL, RANVA/IRW/1.000, 1-3-05-11
 UTL, RANVA/IRW/1.000, 1-19-01-50
 RSE, RANVA/IRW/1.000, 11-15-17-19-23-27-31-41-46
 MODIF, RANVA/IRW/1.000, 2-26-26-37-61
 TUPD, RANVA/IRW/1.000, 2-9-08-11-13-18-20-21-25-29-31-35-36-49-52
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 3/26/2007
 CPU-DART

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP



I1-X (NB)	
Rc=	735.50'
Ls=	120.00'
Lc=	469.20'
Ea=	3.50"
Eu=	1.39"
V=	30 MPH

I1-W (SB)	
Rc=	720.00'
Ls=	120.00'
Lc=	456.78'
Ea=	3.50"
Eu=	1.50"
V=	30 MPH



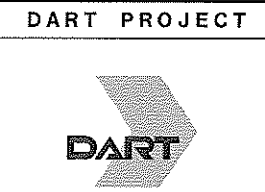
NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **70** OF

REV. RAJIVRAMESH, 06/11/05, 11:15:17-19:25:27, 31.41, 46
 MODIFY, RAJIVRAMESH, 06/21/05, 2:50:35, 37, 61
 TOPOL, RAJIVRAMESH, 06/21/05, 2:50:35, 37, 61
 PSIM, RAJIVRAMESH, 06/21/05, 1:47:14, 16, 61
 UTIL, RAJIVRAMESH, 06/21/05, 1:19:21, 60
 ALLOW, RAJIVRAMESH, 06/14/05, 1:40:47, 69
 BRK, RAJIVRAMESH, 06/10/05, 15:17
 SITE, RAJIVRAMESH, 06/13/05, 1:30:32, 34, 62
 UTIL, RAJIVRAMESH, 06/13/05, 1:31:01

IN-PROGRESS

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SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 GUIDEWAY PLAN AND PROFILE
 STA 281+00 TO STA 289+00**

REV	AMEND	GR	DATE	DESCRIPTION	BY	ENG	CHK	APP

CONTRACT	DWG No.	REV
C-93775-1	CC2-6035	

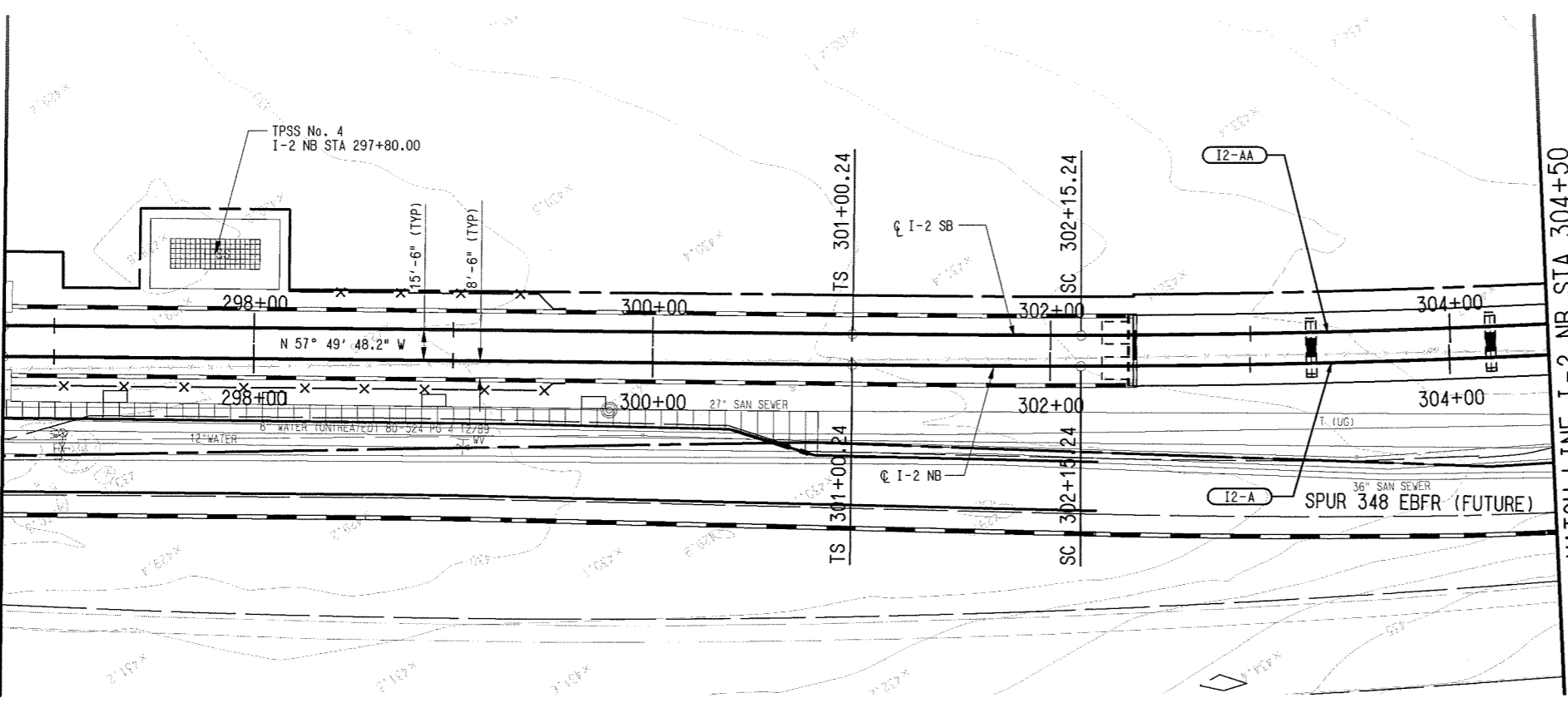
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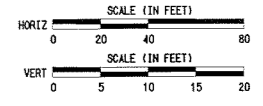
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PBR: RA12X1R2XW1.040, 1-4, 7-14, 16-61
UTIL: RA12X1R2XW1.040, 1-18, 21-60

ALLEN: RA12X1R2XW1.040, 1-45, 47-60
BRL: RA12X1R2XW1.040, 6-10, 15-17
SITE: RA12X1R2XW1.040, 1-3, 5-32, 34-52
CIVIL: RA12X1R2XW1.040, 1, 13-61
UTL: RA12X1R2XW1.040, 1-61

END I-1 AND BEGIN I-2
MATCH LINE I-2 NB STA 296+75

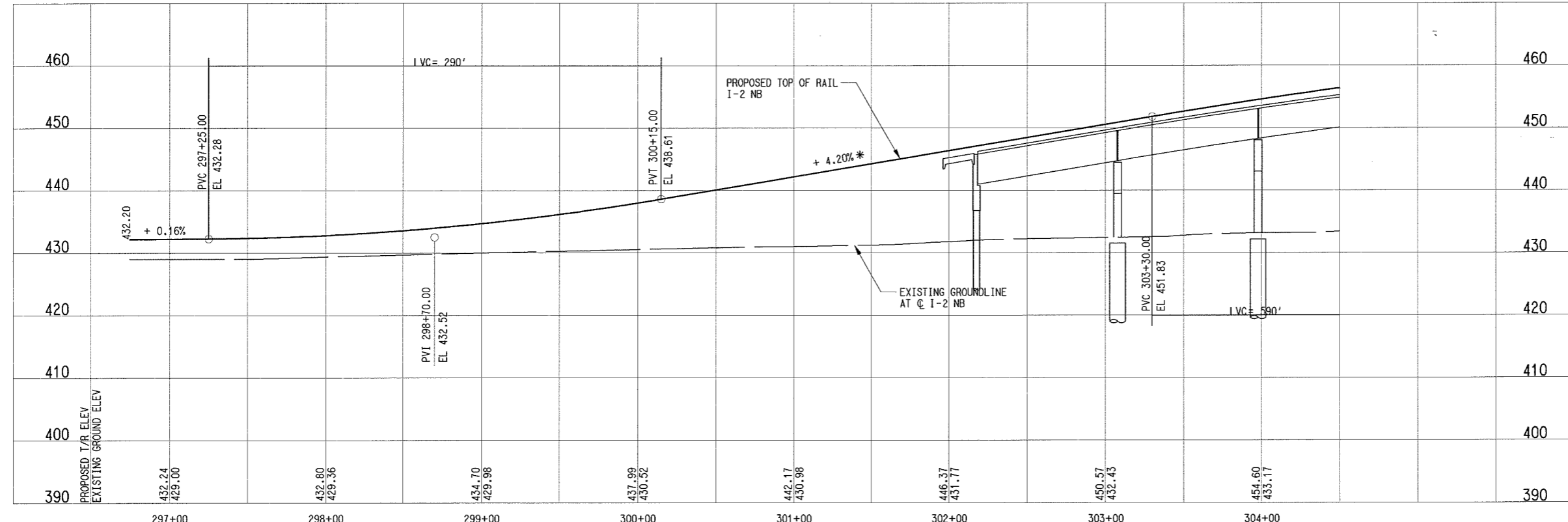


MATCH LINE I-2 NB STA 304+50
SEE DWG No. CC2-7002



	I2-A (NB)	I2-AA (SB)
Rc=	5215.50'	5200.00'
Ls=	115.00'	115.00'
Lc=	336.52'	335.18'
Ea=	1.75"	1.75"
Eu=	1.49"	1.50"
V=	65 MPH	65 MPH

- NOTES:
1. PROPOSED TPSS LOCATIONS ARE PRELIMINARY. FINAL DESIGNER SHALL COORDINATE FINAL LOCATIONS.
 2. SUBSTATION SITE SHALL ACCOMMODATE TRACTION POWER SUBSTATION, SPDC AND COMMUNICATION BUNGALOW. ACCESS ROAD TO SITE SHALL BE DETERMINED DURING THE FINAL DESIGN PHASE.
 3. FINAL DESIGNER SHALL COORDINATE WITH TXDOT'S DESIGN OF SPUR 348.
 4. SEE EXISTING UTILITY COMPOSITE SHEETS FOR EXISTING UTILITY INFORMATION.
 5. SEE UTILITY MODIFICATION SHEETS FOR UTILITY MODIFICATIONS.
 6. THE '*' INDICATES A DESIGN EXCEPTION REQUIRED.



LEGEND

	TPSS
	SIDEWALK

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **73** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

GUIDEWAY PLAN AND PROFILE
STA 296+75 TO STA 304+50

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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DART PROJECT



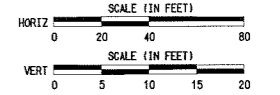
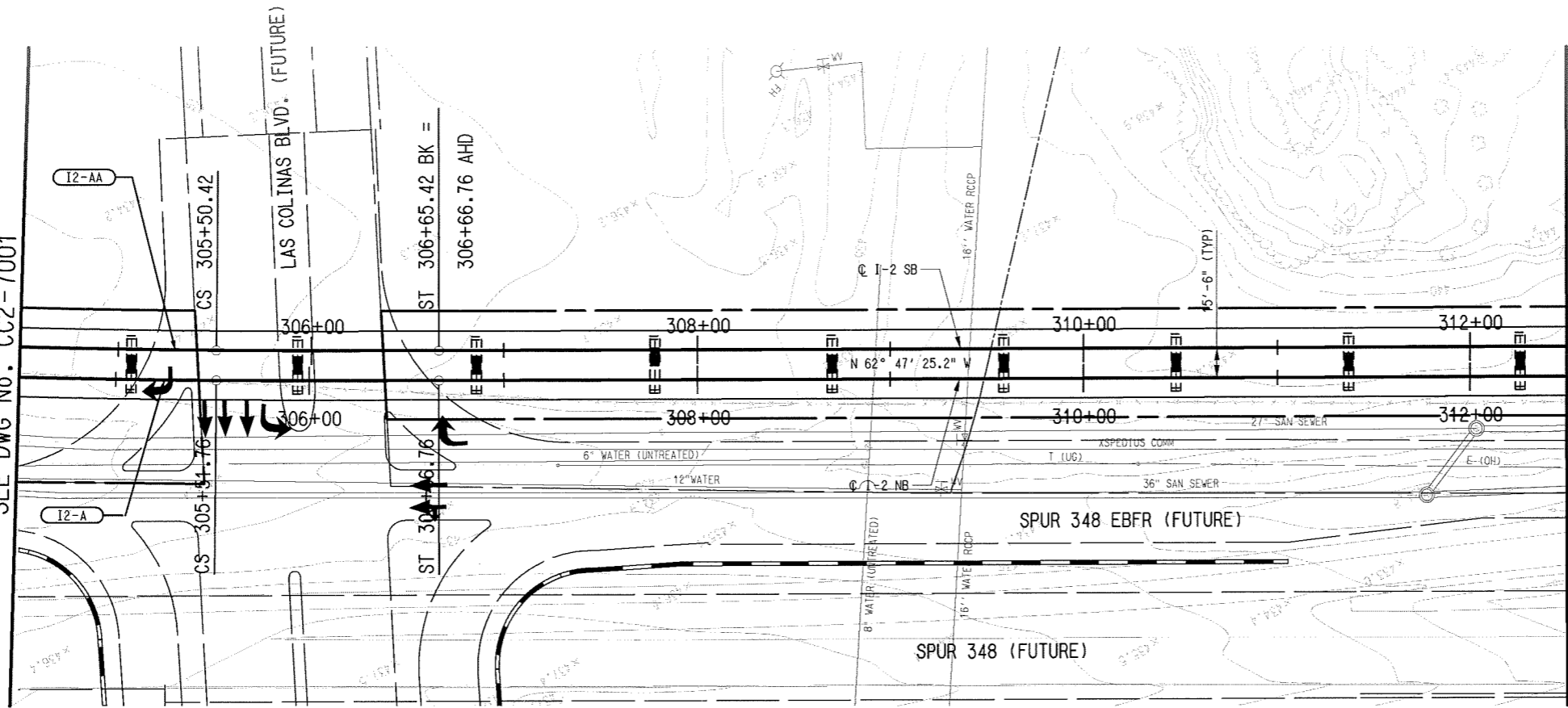
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08



CONTRACT C-93775-1	DWG No. CC2-7001	REV
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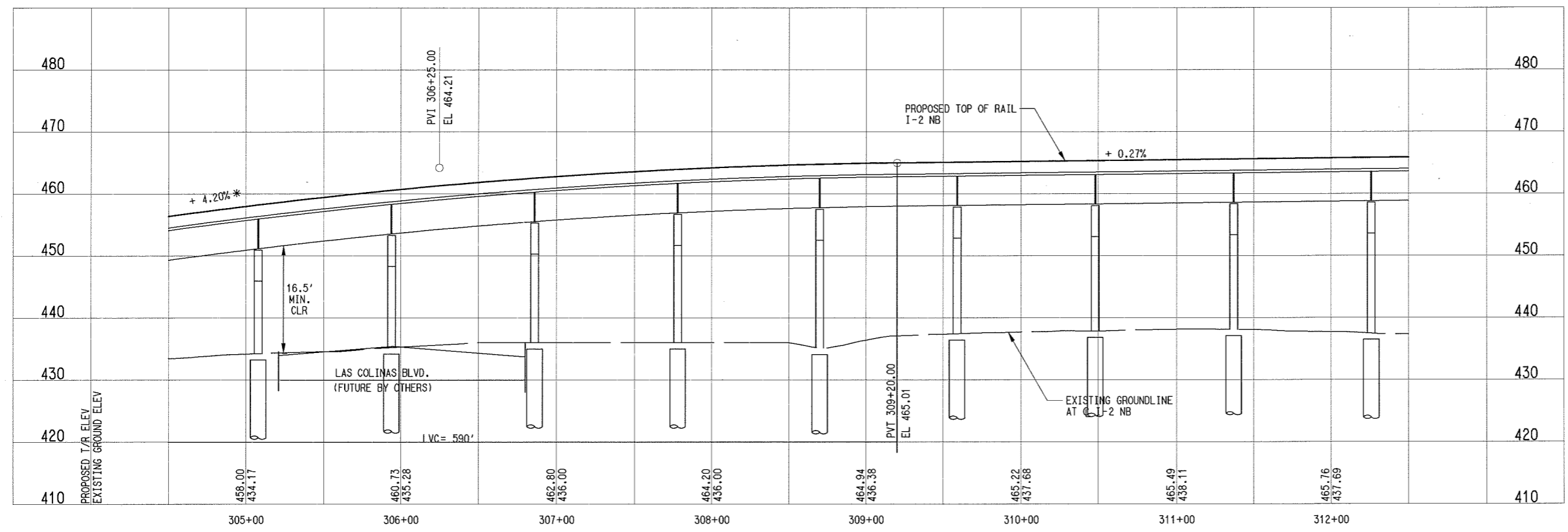
MATCH LINE I-2 NB STA 304+50
SEE DWG No. CC2-7001

MATCH LINE I-2 NB STA 312+50
SEE DWG No. CC2-7003



I-2-A (NB)		I-2-AA (SB)	
Rc=	5215.50'	Rc=	5200.00'
Ls=	115.00'	Ls=	115.00'
Lc=	336.52'	Lc=	335.18'
Ea=	1.75"	Ea=	1.75"
Eu=	1.49"	Eu=	1.50"
V=	65 MPH	V=	65 MPH

- NOTES:
1. FINAL DESIGNER SHALL COORDINATE WITH TXDOT'S DESIGN OF SPUR 348 AND THE CITY OF IRVING'S PLANNED CONSTRUCTION OF LAS COLINAS BLVD.
 2. THE '*' INDICATES A DESIGN EXCEPTION REQUIRED.



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PRELIMINARY ENGINEERING 10% DESIGN

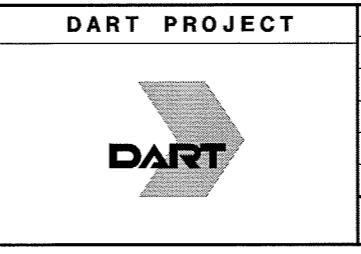
CONTRACT SHEET No. **79** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 304+50 TO STA 312+50

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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ON 01 MAY 08
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SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

CONTRACT	DWG No.	REV
C-93775-1	CC2-7002	

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 TOPSO, RA12XV1R2XV1R1.040, 2-5.9-11.13-18.20-21.25.29.31.35-36.49.52
 PSM, RA12XV1R2XV1R1.040, 1-4.7-14.16-61
 UTIL, RA12XV1R2XV1R1.040, 1-19.21-60
 ALIN, RA12XV1R2XV1R1.040, 1-45.01-60
 BR, RA12XV1R2XV1R1.040, 6-10.15-17
 SITE, RA12XV1R2XV1R1.040, 1-3.9-32.34-62
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 UTILP, RA12XV1R2XV1R1.040, 1-61

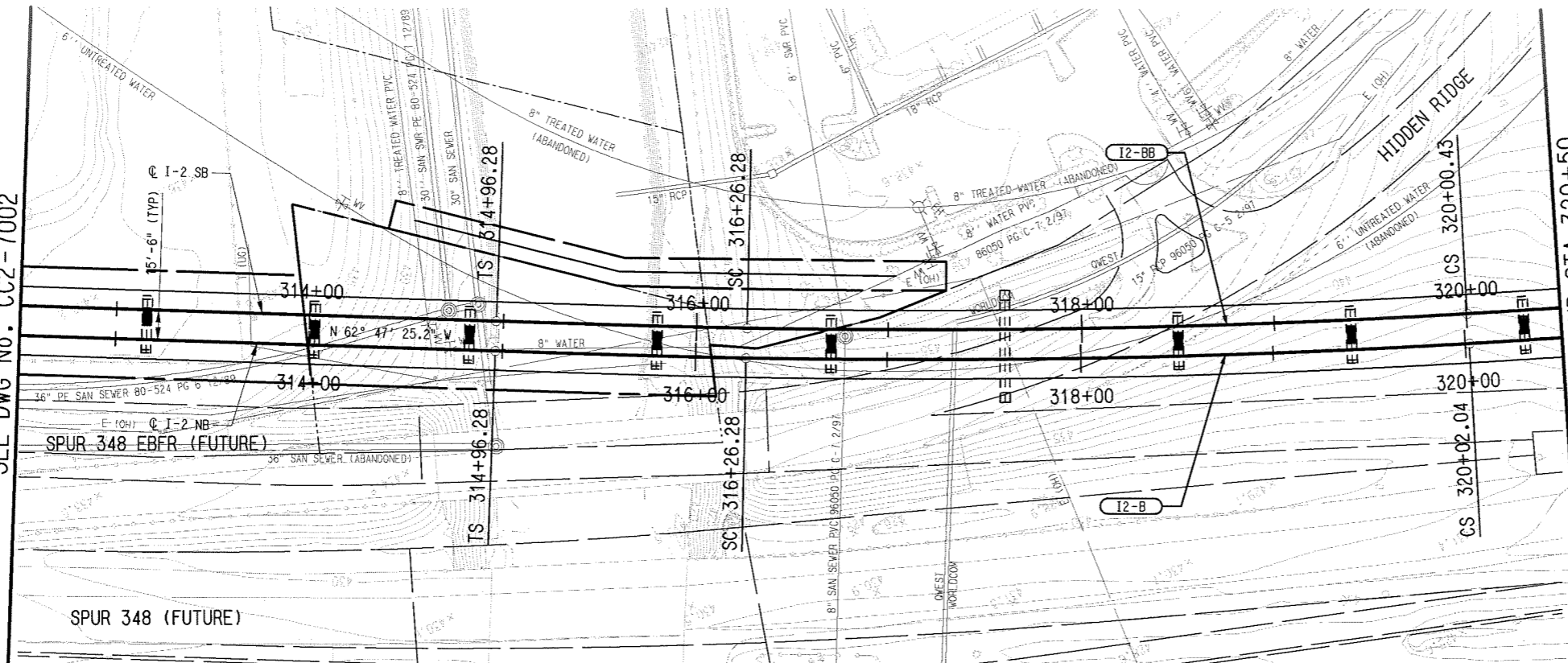
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CPY-DART

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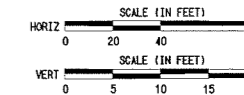
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TOPOT, R:\1\2\1\2\0\1\040, 2-9, 8-11, 13-18, 20-21, 23, 25, 31, 35-36, 46, 52
PSM, R:\1\2\1\2\0\1\040, 1-4, 7-14, 16-61
UTIL, R:\1\2\1\2\0\1\040, 1-19, 21-60

ALION, R:\1\2\1\2\0\1\040, 1-45, 47-60
BPL, R:\1\2\1\2\0\1\040, 6-10, 15-17
SITE, R:\1\2\1\2\0\1\040, 1-3, 5, 32, 34-62
CIVIL, R:\1\2\1\2\0\1\040, 1-3-61
UTILP, R:\1\2\1\2\0\1\040, 1-61

MATCH LINE I-2 NB STA 312+50
SEE DWG No. CC2-7002



MATCH LINE I-2 NB STA 320+50
SEE DWG No. CC2-7004

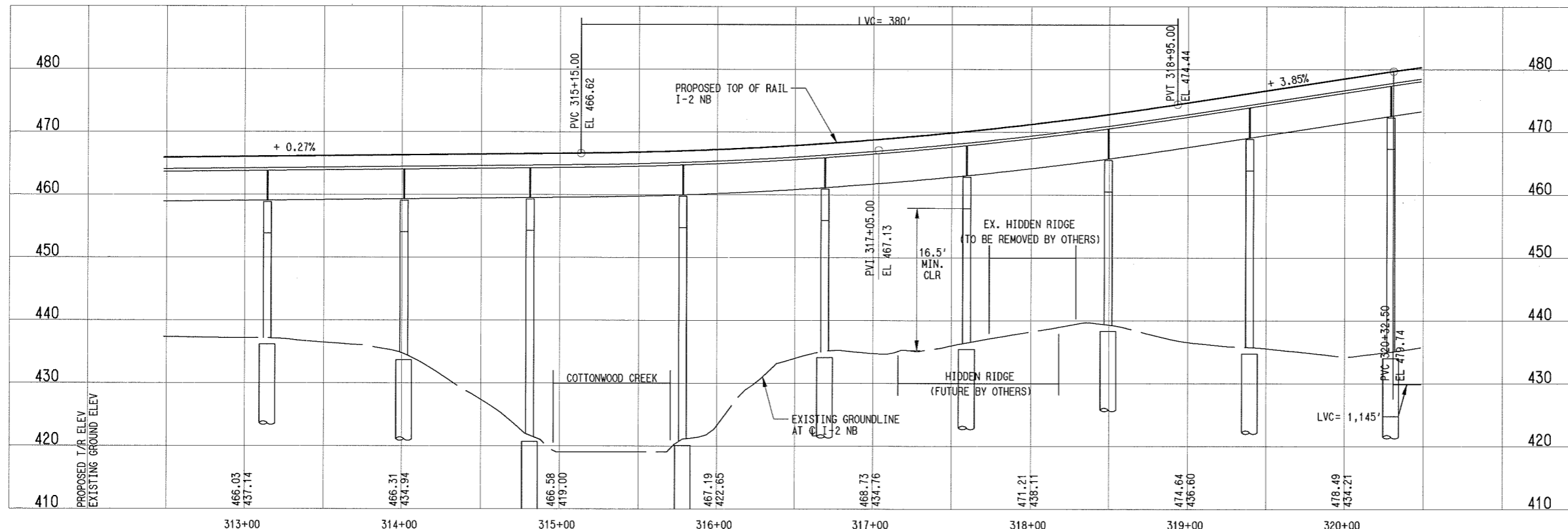


I-2-B (NB)	
Rc=	4845.50'
Ls=	130.00'
Lc=	375.76'
Ea=	2.00"
Eu=	1.49"
V=	65 MPH

I-2-BB (SB)	
Rc=	4830.00'
Ls=	130.00'
Lc=	374.14'
Ea=	2.00"
Eu=	1.50"
V=	65 MPH

NOTES:

1. FINAL DESIGNER SHALL COORDINATE WITH TXDOT'S DESIGN OF SPUR 348 AND THE CITY OF IRVING'S PLANNED CONSTRUCTION OF LAS COLINAS BLVD.
2. FINAL DESIGNER SHALL INVESTIGATE THE NEED FOR COLUMN PROTECTION FOR THE LRT BRIDGE STRUCTURE NEAR EXIST. & PROPOSED ROADWAYS & EXIST. WATERWAYS.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **75** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

GUIDEWAY PLAN AND PROFILE
STA 312+50 TO STA 320+50

IN-PROGRESS

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RICHEY THOMPSON, P.E. NO. 95919
ON 01 MAY 08
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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

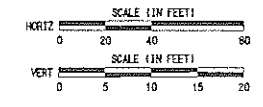
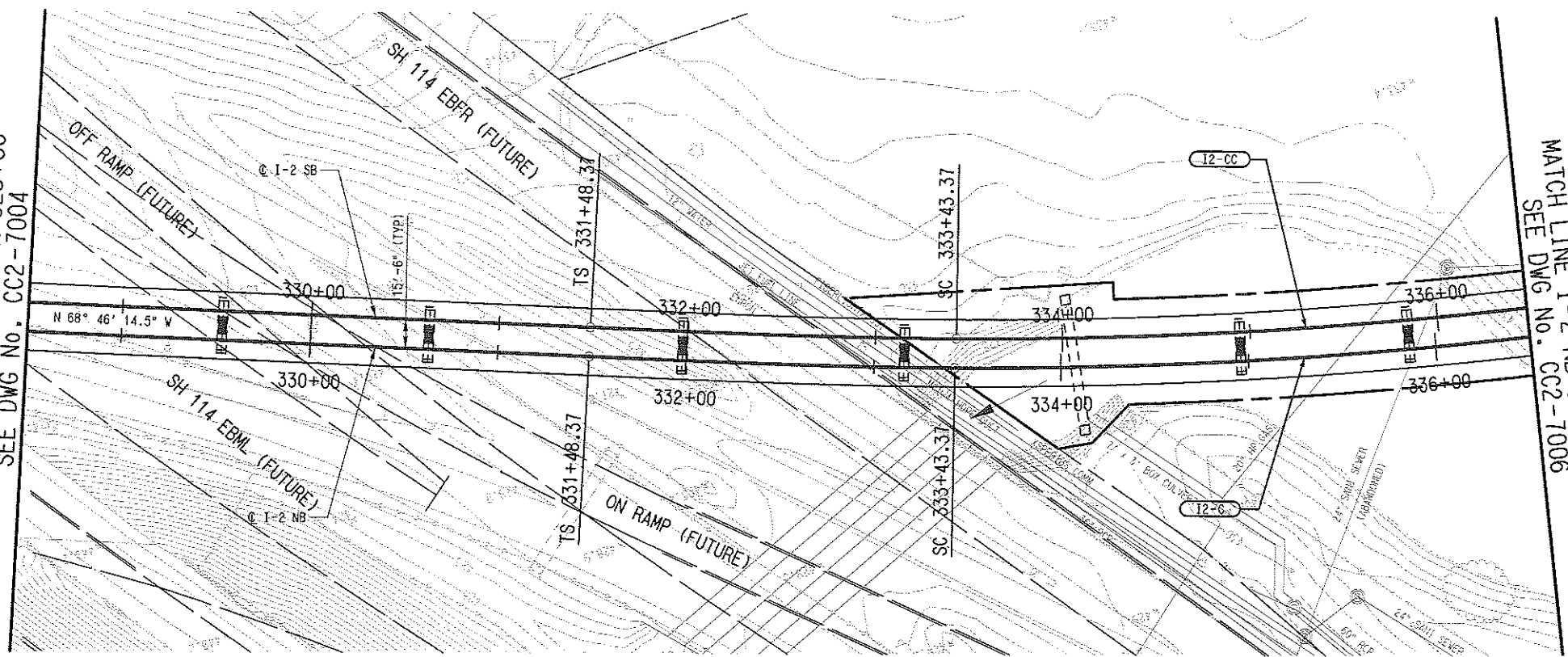


CONTRACT C-93775-1 DWG No. CC2-7003

REV

MATCH LINE I-2 NB STA 328+50
SEE DWG No. CC2-7004

MATCH LINE I-2 NB STA 336+50
SEE DWG No. CC2-7006



12-C (NB)

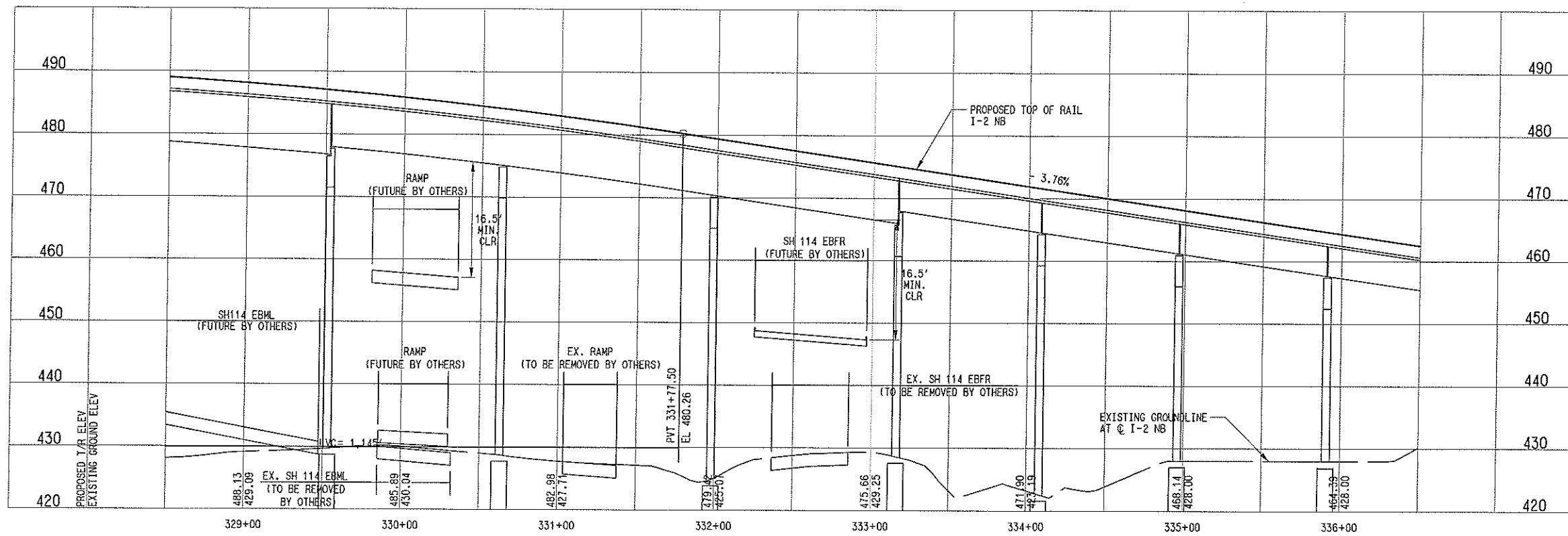
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Lc=	951.72'
Eo=	3.25"
Eu=	1.47"
V=	55 MPH

12-CC (SB)

Re=	2550.00'
Ls=	195.00'
Lc=	944.79'
Eo=	3.25"
Eu=	1.50"
V=	55 MPH

NOTES:

1. FINAL DESIGNER SHALL COORDINATE WITH TXDOT'S DESIGN OF SH 114.
2. FINAL DESIGNER SHALL INVESTIGATE THE NEED FOR COLUMN PROTECTION FOR THE LRT BRIDGE STRUCTURE NEAR EXIST. & PROPOSED ROADWAYS & EXIST. WATERWAYS.



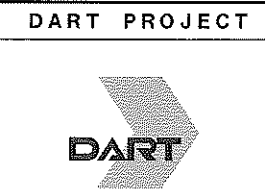
NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **77** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 328+50 TO STA 336+50

IN-PROGRESS

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ON 09 MAR 07
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SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT	DWG No.	REV
C-93775-1	CC2-7005	

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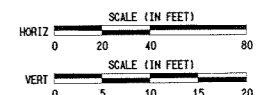
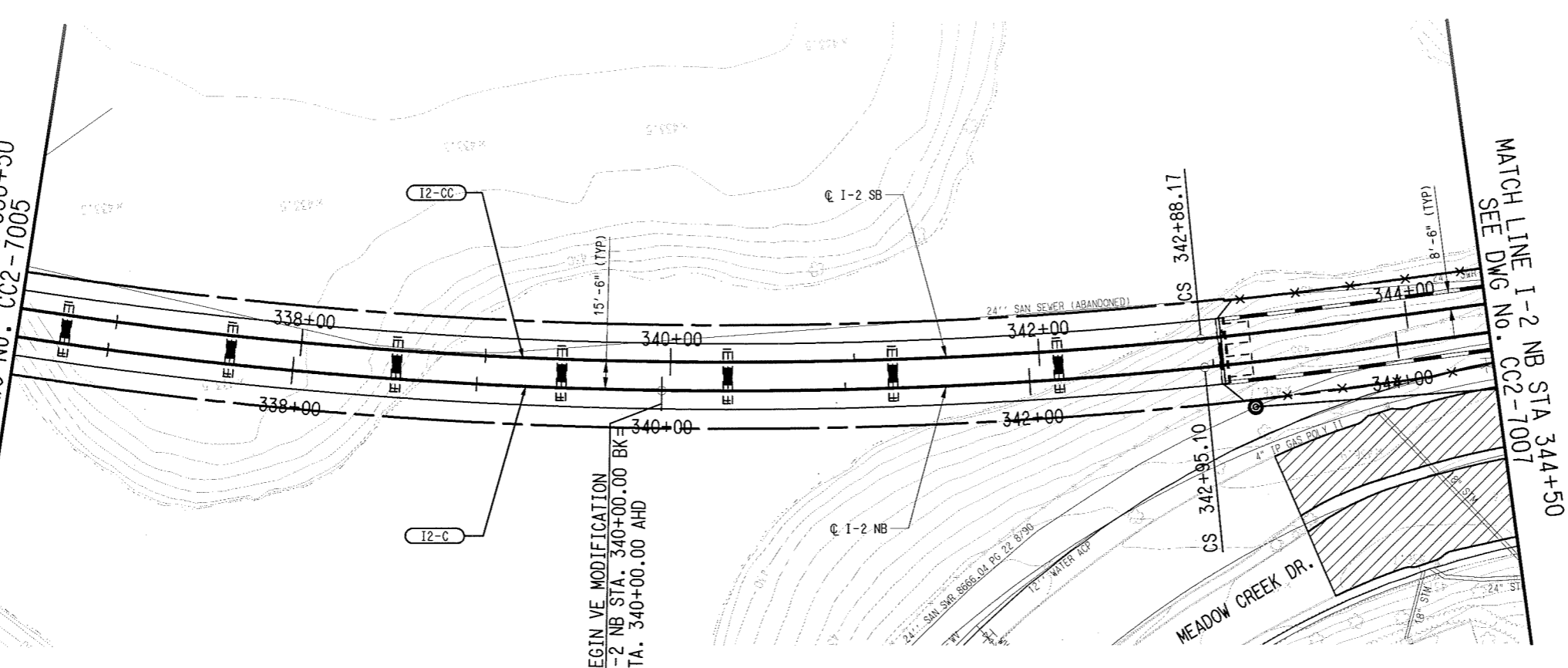
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2/24/08 PM
4/24/2008
CPT-DART

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UTIL: R:\12\1R2XAL06.000_1-19.21-60

ALON: R:\12\1R2XAL06.000_1-45.47-60
BREL: R:\12\1R2XAL06.000_6-10.15-17
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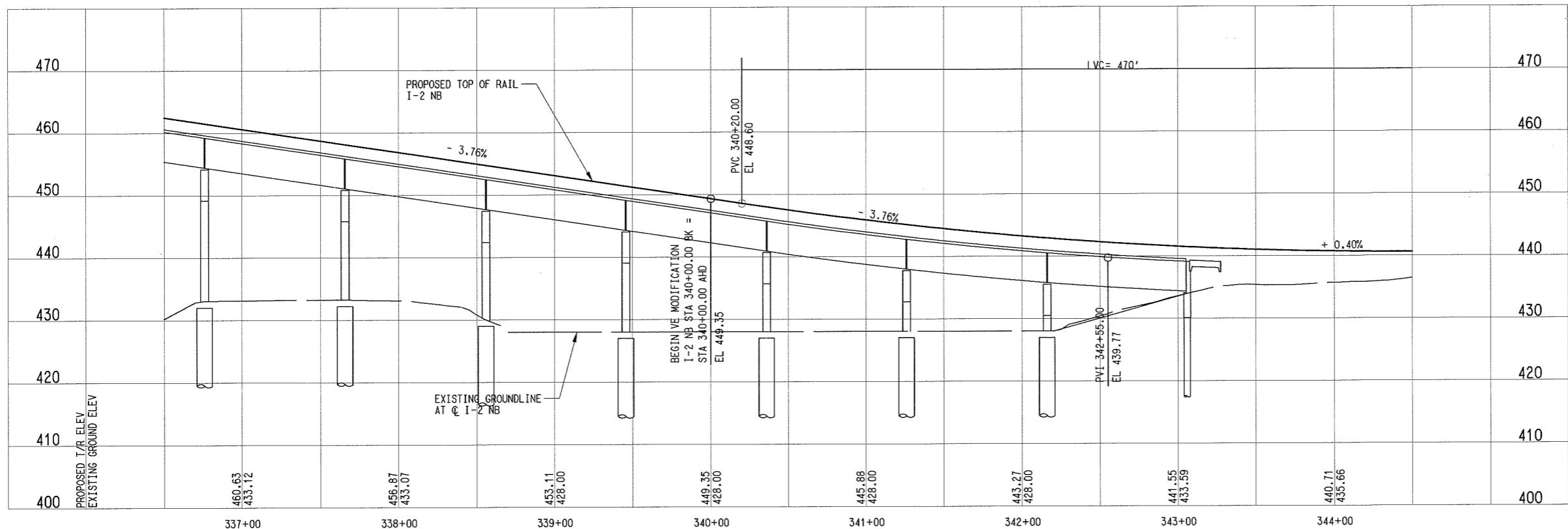
MATCH LINE I-2 NB STA 336+50
SEE DWG NO. CC2-7005



I2-C (NB)	I2-CC (SB)
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Ls= 195.00'	Ls= 195.00'
Lc= 951.72'	Lc= 944.79'
Ea= 3.25"	Ea= 3.25"
Eu= 1.47"	Eu= 1.50"
V= 55 MPH	V= 55 MPH

NOTES:
1. FINAL DESIGNER SHALL INVESTIGATE THE NEED FOR COLUMN PROTECTION FOR THE LRT BRIDGE STRUCTURE NEAR EXIST. & PROPOSED ROADWAYS & EXIST. WATERWAYS.

LEGEND
 STREET/ALLEY/ DRIVE RECONSTRUCTION



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **78** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

GUIDEWAY PLAN AND PROFILE
STA 336+50 TO STA 344+50

IN-PROGRESS

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF:
RICHEY THOMPSON, P.E., NO. 95919
ON 01 MAY 08
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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

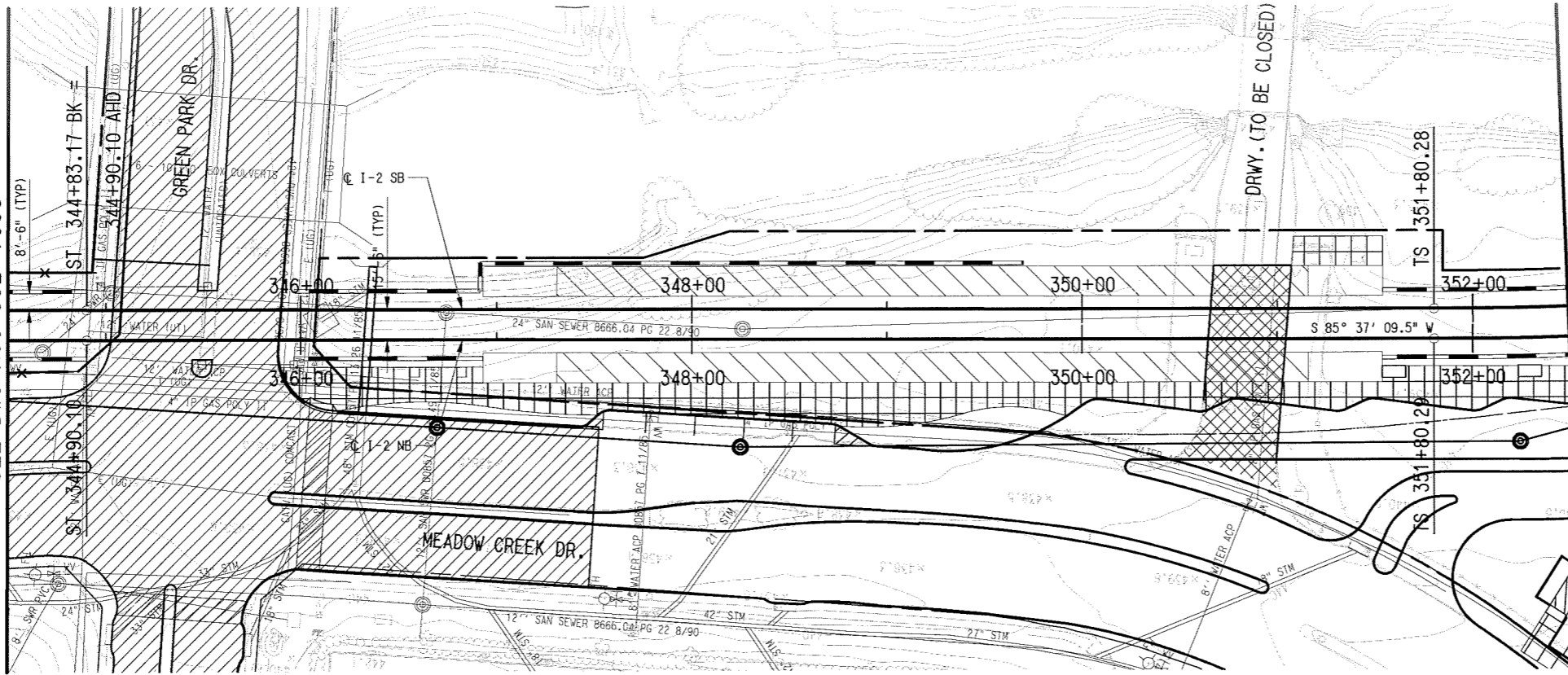


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C-93775-1	CC2-7006	

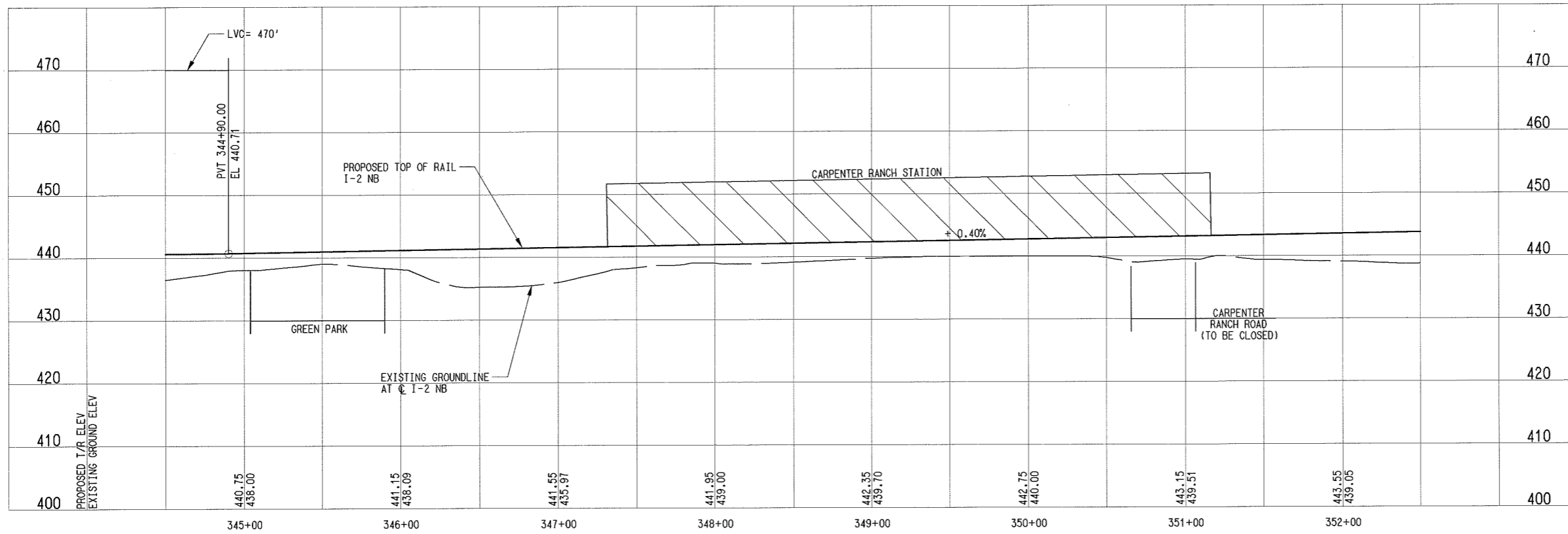
REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

MATCH LINE I-2 NB STA 344+50
SEE DWG No. CC2-7006

MATCH LINE I-2 NB STA 352+50
SEE DWG No. CC2-7008



- LEGEND**
- STREET/ALLEY/ DRIVE RECONSTRUCTION
 - STREET/ALLEY/ DRIVE CLOSURE
 - STATION CONCOURSE/ PLATFORM
 - SIDEWALK



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **79** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2**

GUIDEWAY PLAN AND PROFILE
STA 344+50 TO STA 352+50

IN-PROGRESS

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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

CONTRACT	DWG No.	REV
C-93775-1	CC2-7007	

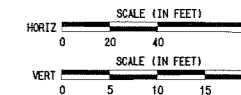
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 4/24/2008
 CPY-DART

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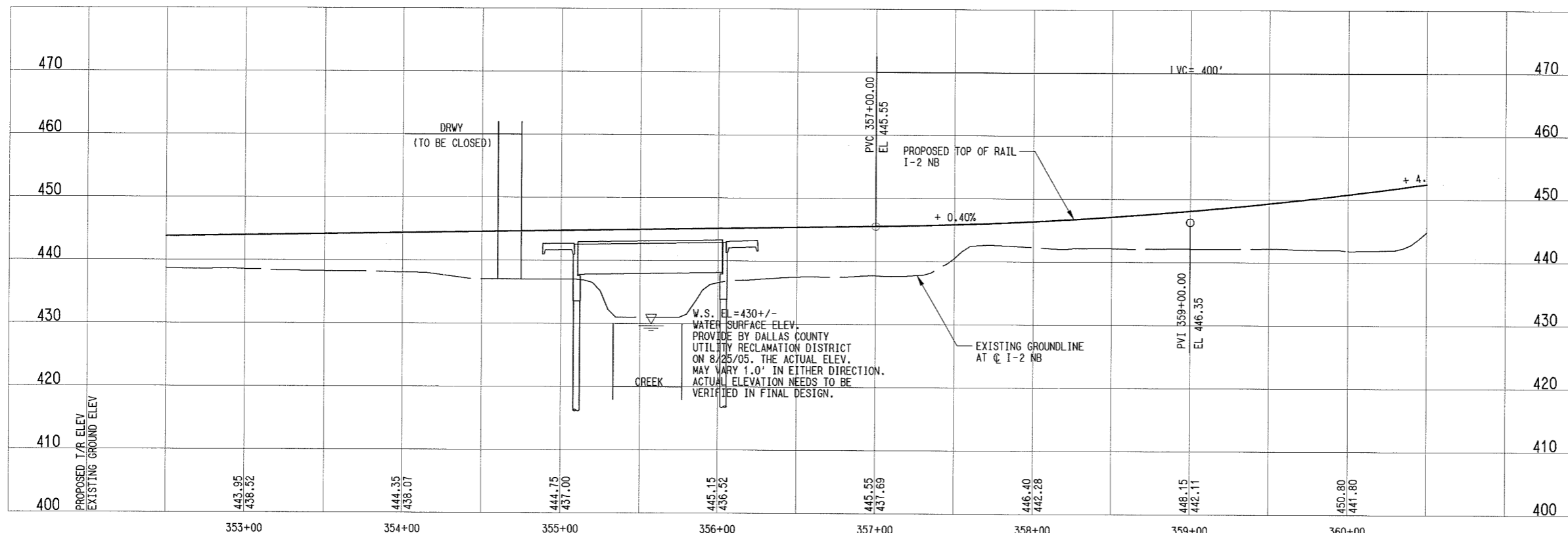
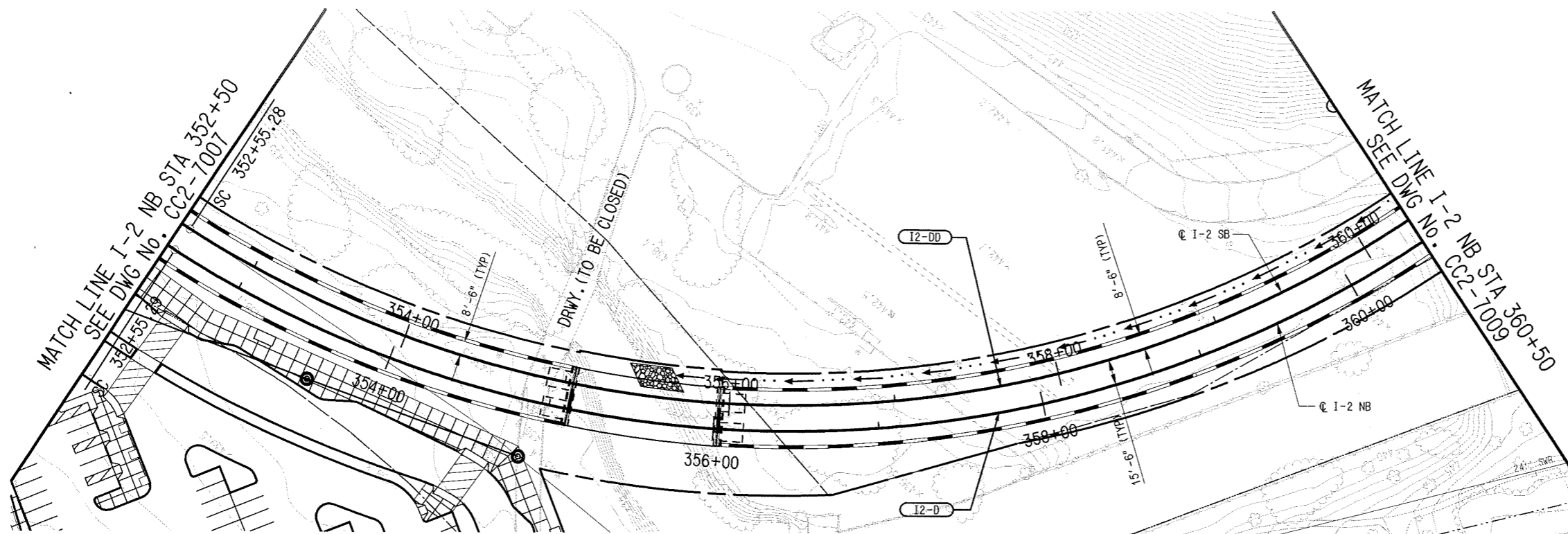
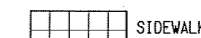
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 CIVIL: RA12A\1R2XAL07.dwg, 1,3-61
 UTILP: RA12A\1R2XAL07.dwg, 1-61

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP



I2-D (NB)		I2-DD (SB)	
Rc=	685.50'	Rc=	670.00'
Ls=	75.00'	Ls=	75.00'
Lc=	897.06'	Lc=	875.08'
Ea=	2.25"	Ea=	2.25"
Eu=	1.40"	Eu=	1.48"
V=	25 MPH	V=	25 MPH

LEGEND



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **80** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

GUIDEWAY PLAN AND PROFILE
STA 352+50 TO STA 360+50

IN-PROGRESS

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ON 01 MAY 08

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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08



CONTRACT
C-93775-1

DWG No.
CC2-7008

REV

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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 4/22/2008
 CPY-DRT

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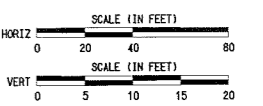
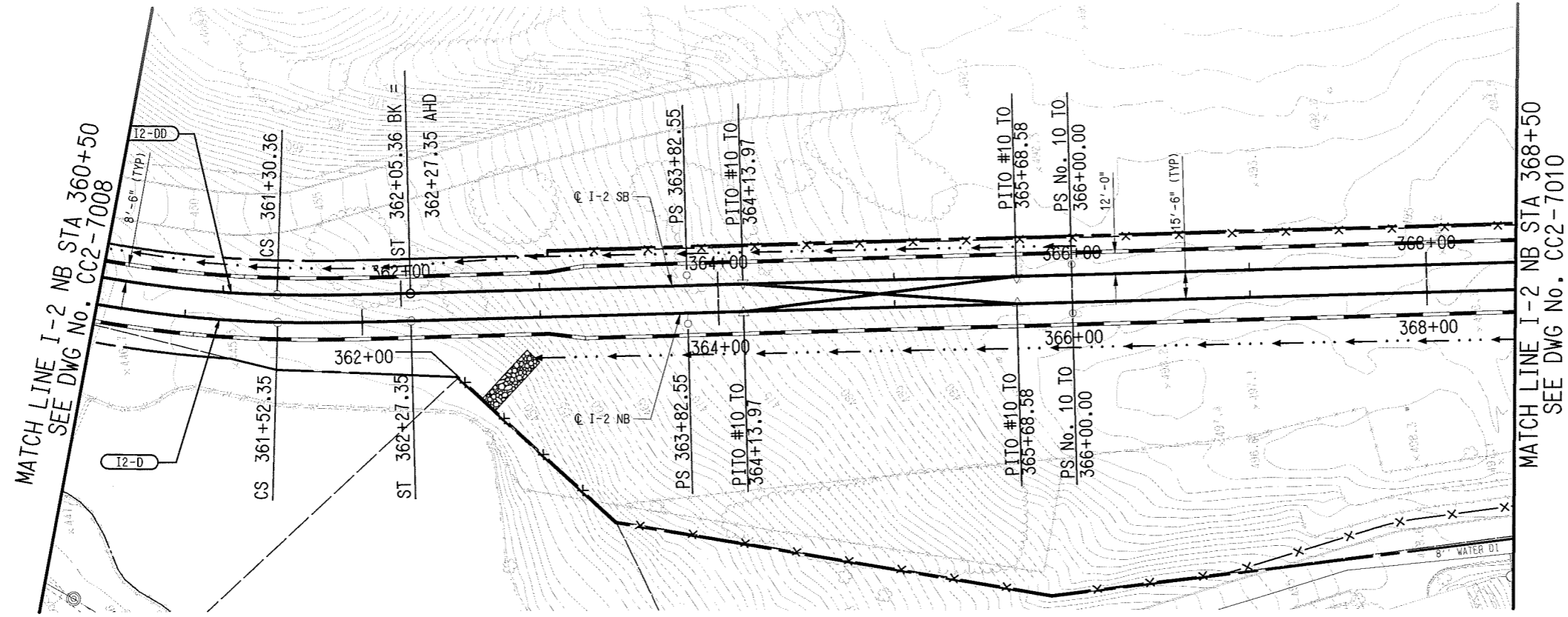
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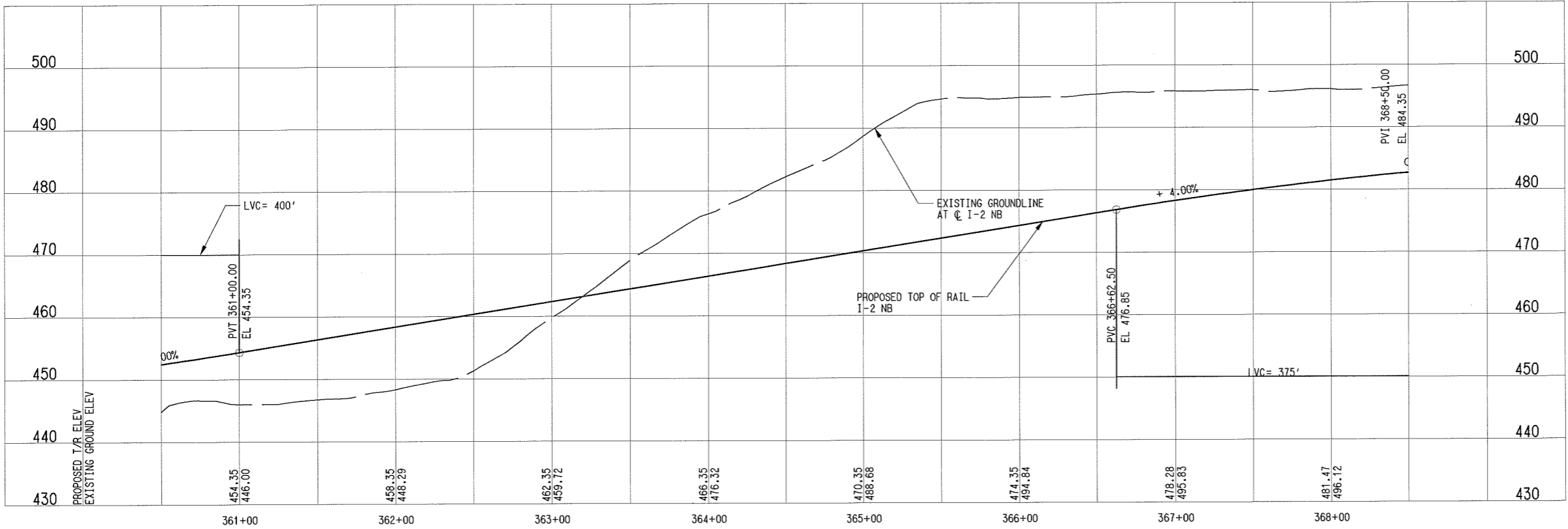
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I-2-D (NB)		I-2-DD (SB)	
Rc=	685.50'	Rc=	670.00'
Ls=	75.00'	Ls=	75.00'
Lc=	897.06'	Lc=	875.08'
Ea=	2.25"	Ea=	2.25"
Eu=	1.40"	Eu=	1.48"
V=	25 MPH	V=	25 MPH



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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **81** OF

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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 360+50 TO STA 368+50

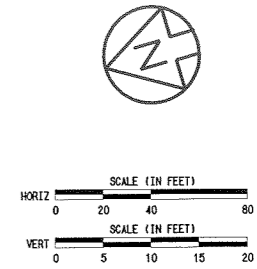
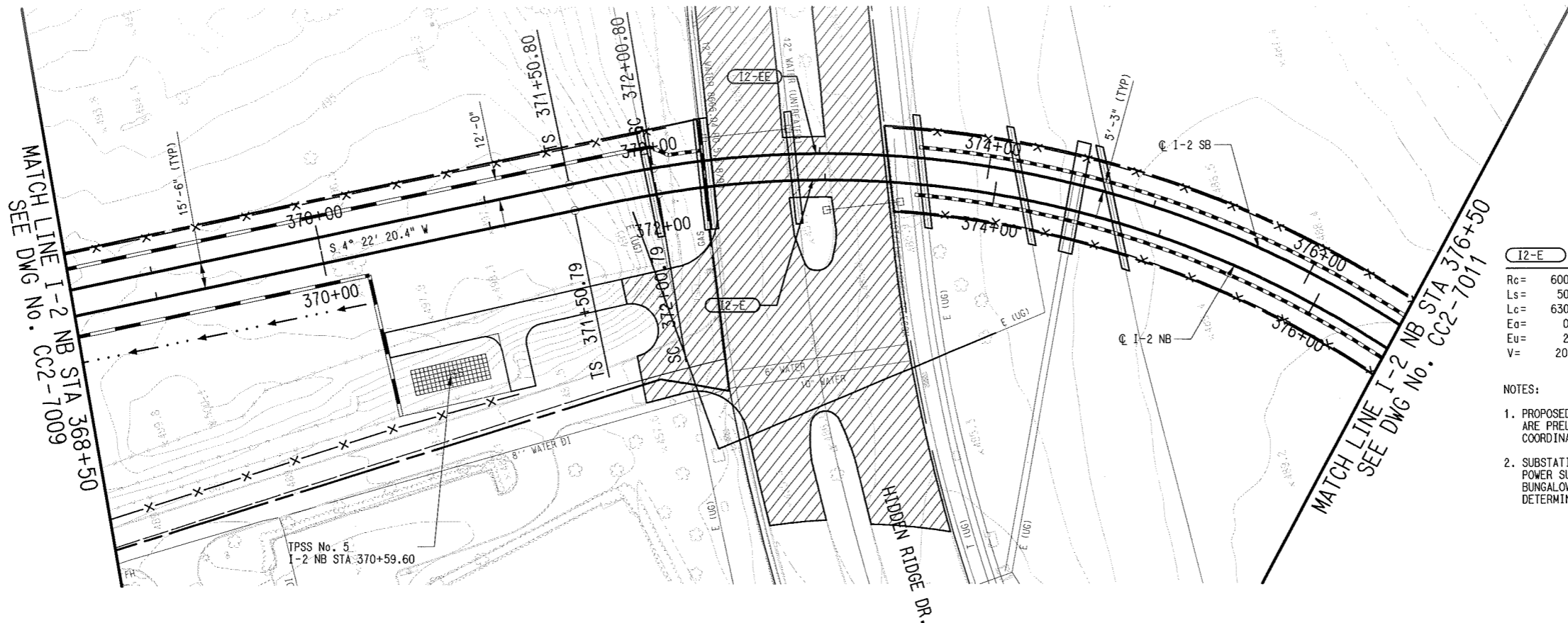
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4/25/2008
CPY-DART

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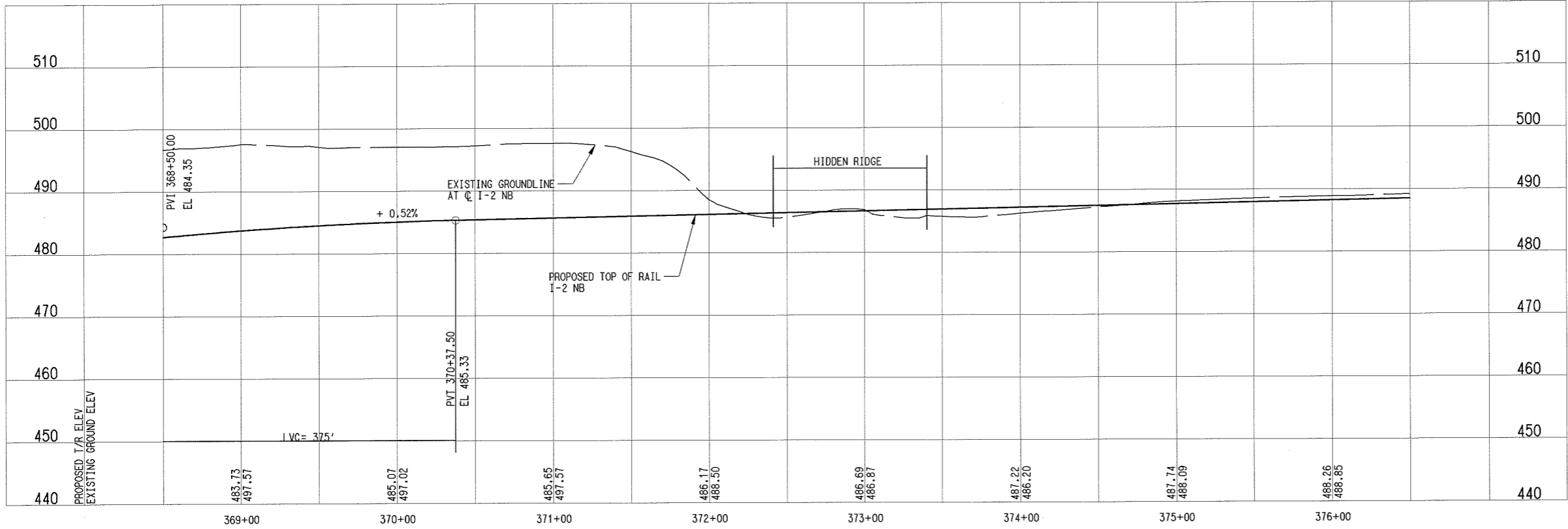
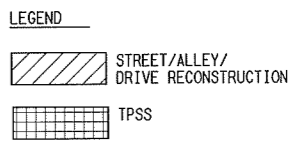
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ALB: R:\1\X\1\Rev\1.dwg, 1-45,47-60
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UTIL: R:\1\X\1\Rev\1.dwg, 1-61



I2-E (NB)		I2-EE (SB)	
Rc=	600.00'	Rc=	615.50'
Ls=	50.00'	Ls=	50.00'
Lc=	630.13'	Lc=	647.70'
Ea=	0.50"	Ea=	0.50"
Eu=	2.17"	Eu=	2.10"
V=	20 MPH	V=	20 MPH

- NOTES:
1. PROPOSED TPSS & CROSSOVER LOCATIONS ARE PRELIMINARY. FINAL DESIGNER SHALL COORDINATE FINAL LOCATIONS.
 2. SUBSTATION SITE SHALL ACCOMMODATE TRACTION POWER SUBSTATION, SPDC AND COMMUNICATION BUNGALOW. ACCESS ROAD TO SITE SHALL BE DETERMINED DURING THE FINAL DESIGN PHASE.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **82** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 368+50 TO STA 376+50

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

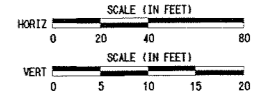
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ON 01 MAY 08

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DART PROJECT

SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

CONTRACT	DWG No.	REV
C-93775-1	CC2-7010	



MATCH LINE I-2 NB STA 376+50
SEE DWG No. CC2-7010

MATCH LINE I-2 NB STA 384+50
SEE DWG No. CC2-7012

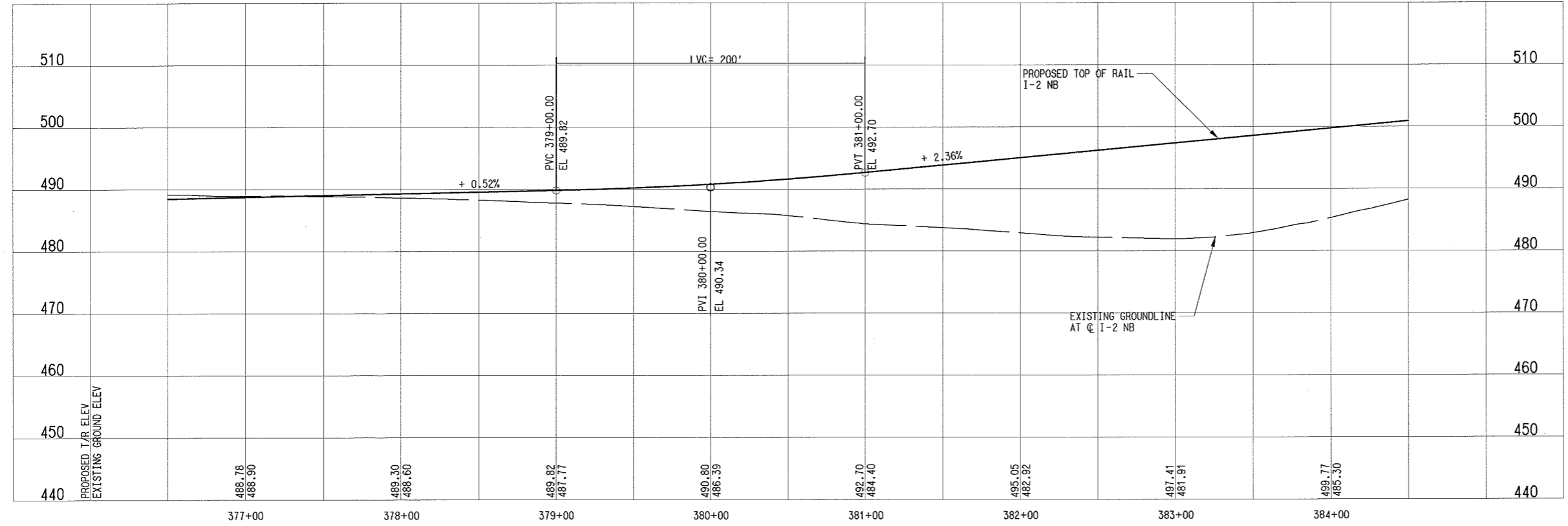
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TOPOL: R:\EX\RD\Gmori11.dwg, 2-5-8-11-15-18-20-21-25-29-31-35-36-49-52
MODIFY: R:\EX\RD\Gmori11.dwg, 2-30-35-37-61
REV: R:\EX\RD\Gmori11.dwg, 11-15-17-19-25-27-31-41-46

I2-E (NB)		I2-EE (SB)	
Rc=	600.00'	Rc=	615.50'
Ls=	50.00'	Ls=	50.00'
Lc=	630.13'	Lc=	647.70'
Ea=	0.50"	Ea=	0.50"
Eu=	2.17"	Eu=	2.10"
V=	20 MPH	V=	20 MPH



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **83** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

GUIDEWAY PLAN AND PROFILE
STA 376+50 TO STA 384+50

IN-PROGRESS

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RICHEY THOMPSON, P.E. NO. 95919
ON 01 MAY 08
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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

CONTRACT	DWG No.	REV
C-93775-1	CC2-7011	

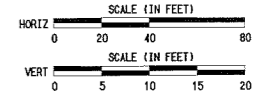
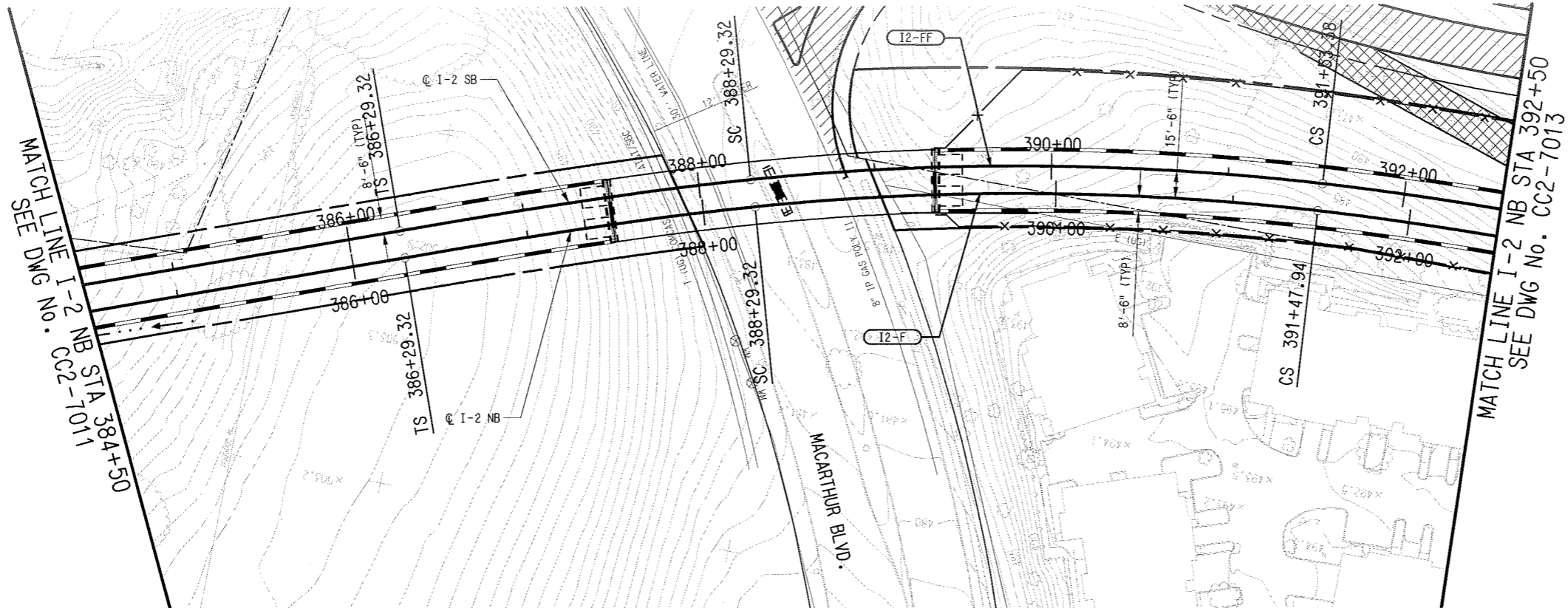
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4/25/2008
CPY-DART

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PSIN, R:\12\12R2AL12.dwg, 1-4,7-14,16-61
UTIL, R:\12\12R2AL12.dwg, 1-19,21-60

ALLEN, R:\12\12R2AL12.dwg, 1-45,47-60
BRPL, R:\12\12R2AL12.dwg, 6-10,15-17
SITE, R:\12\12R2AL12.dwg, 1-3,5-28,34-62
CIVIL, R:\12\12R2AL12.dwg, 1,3-61
UTILP, R:\12\12R2AL12.dwg, 1-61

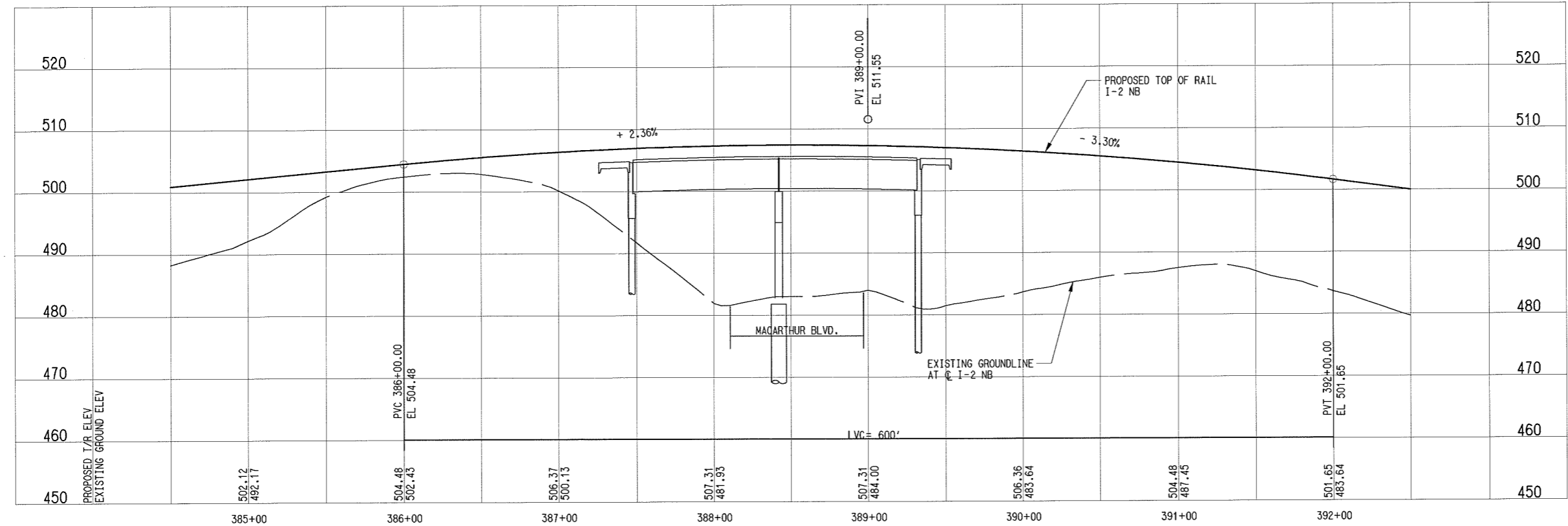


I-2-F (NB)		I-2-FF (SB)	
Rc=	1480.00'	Rc=	1495.50'
Ls=	200.00'	Ls=	200.00'
Lc=	318.63'	Lc=	324.06'
Eo=	4.00"	Eo=	4.00"
Eu=	1.47"	Eu=	1.42"
V=	45 MPH	V=	45 MPH

- NOTES:
1. FINAL DESIGNER SHALL INVESTIGATE THE NEED FOR COLUMN PROTECTION FOR THE LRT BRIDGE STRUCTURE NEAR EXIST. & PROPOSED ROADWAYS & EXIST. WATERWAYS.

LEGEND

	STREET/ALLEY/ DRIVE RECONSTRUCTION
	STREET/ALLEY/ DRIVE CLOSURE



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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **84** OF

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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ON 01 MAY 08

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CP&Y
Chiang, Patel & Yerby, Inc.

PARSONS
PARSONS TRANSPORTATION GROUP, INC.
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

DART

SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2**

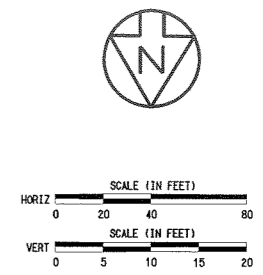
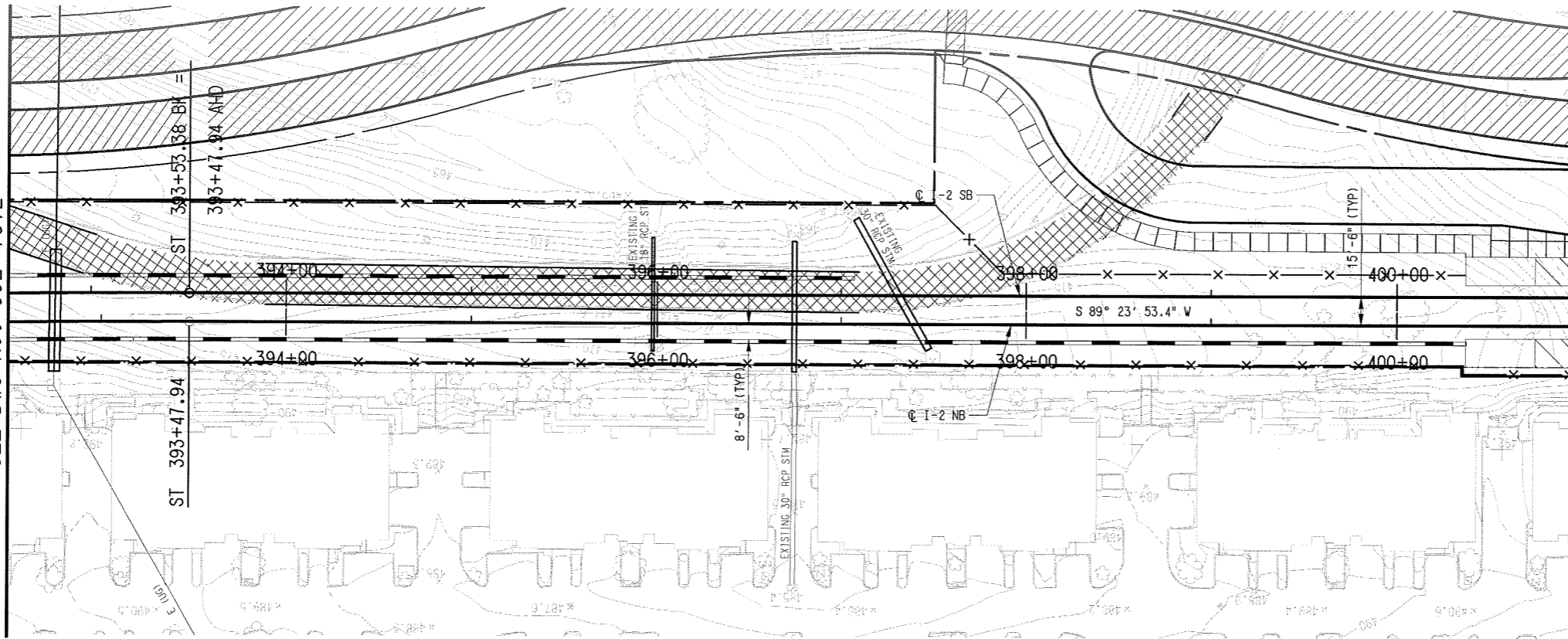
**GUIDEWAY PLAN AND PROFILE
STA 384+50 TO STA 392+50**

CONTRACT C-93775-1 DWG No. CC2-7012

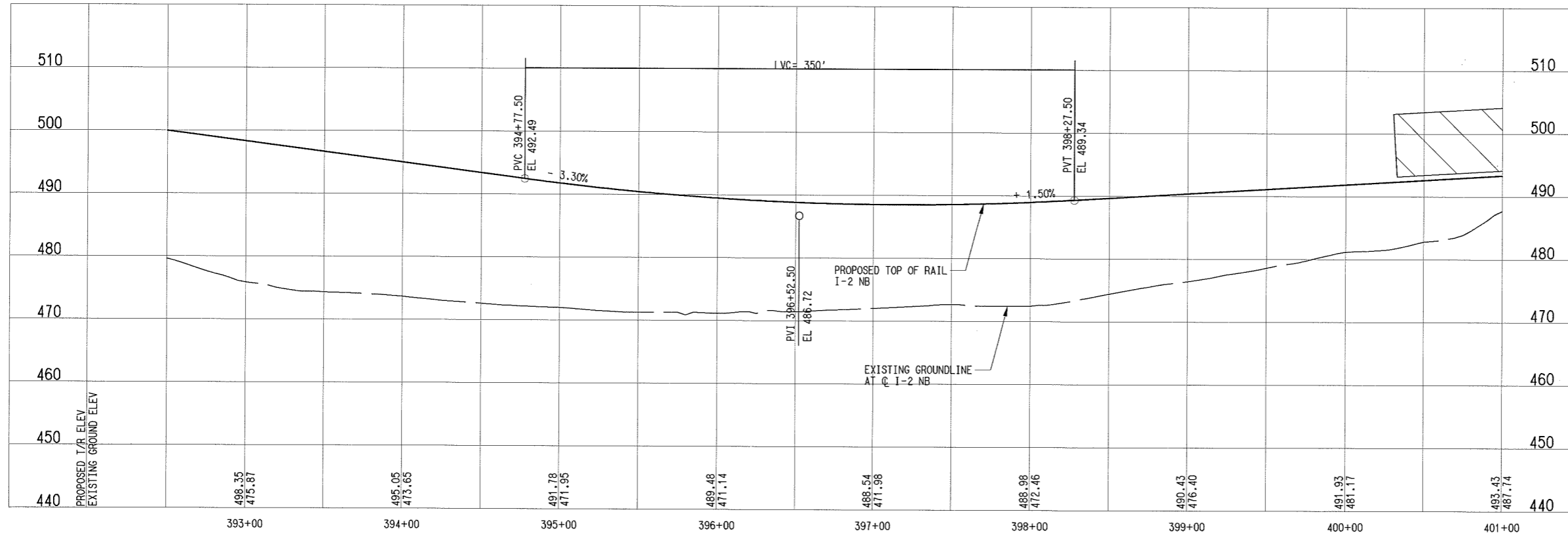
ICAES

MATCH LINE I-2 NB STA 392+50
SEE DWG No. CC2-7012

MATCH LINE I-2 NB STA 401+00
SEE DWG No. CC2-7014



- LEGEND**
- STREET/ALLEY/ DRIVE RECONSTRUCTION
 - STREET/ALLEY/ DRIVE CLOSURE
 - STATION CONCOURSE/ PLATFORM
 - SIDEWALK



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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **85** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 392+50 TO STA 401+00

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	01 MAY 08

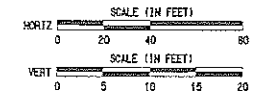
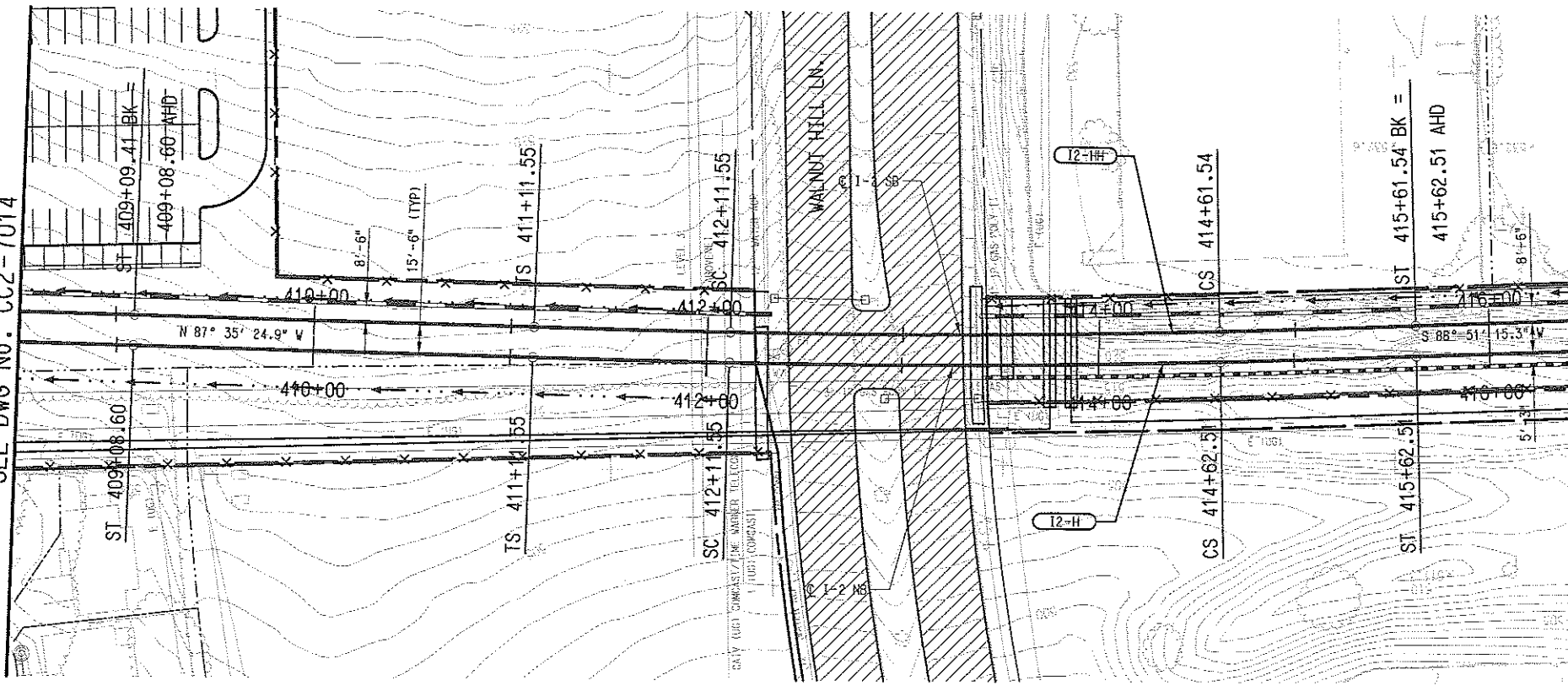


CONTRACT C-93775-1	DWG No. CC2-7013	REV
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 TPO01: RA12XV1R2XW1.040, 2-5-8-11.13-18.20-21.25.29.31.35-36.49.52
 PSW: RA12XV1R2XW1.040, 1-4.7-14.16-61
 UTIL: RA12XV1R2XW1.040, 1-19.21-60
 ALIGN: RA12XV1R2XW1.040, 1-45.47-60
 BRP: RA12XV1R2XW1.040, 6-10.15-17
 SITE: RA12XV1R2XW1.040, 1-3.5-32.34-82
 CIVIL: RA12XV1R2XW1.040, 1.3-61
 UTIL: RA12XV1R2XW1.040, 1-61
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 4/25/2008
 CPY-DART
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MATCH LINE I-2 NB STA 408+50
SEE DWG No. CC2-7014

MATCH LINE I-2 NB STA 416+50
SEE DWG No. CC2-7016



I-2-H (NB)

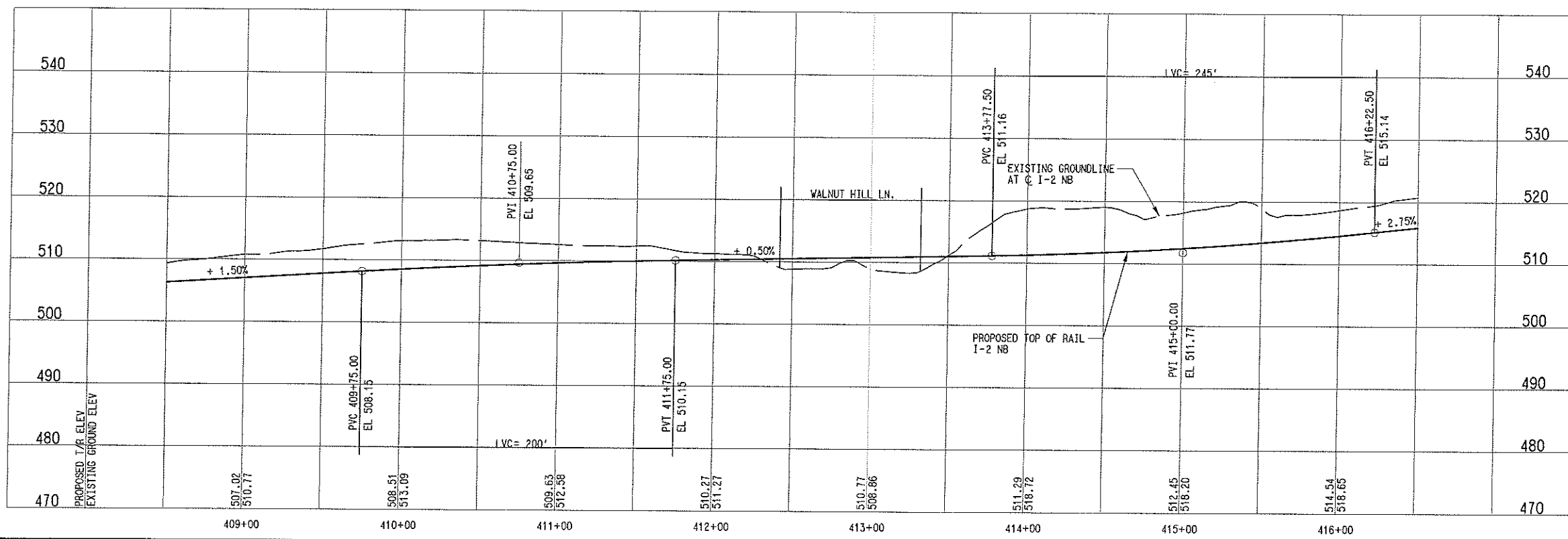
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Ls=	100.00'
Lc=	250.95'
Ea=	1.50"
Eu=	1.49"
V=	65 MPH

I-2-H (SB)

Rc=	5640.00'
Ls=	100.00'
Lc=	249.99'
Ea=	1.50"
Eu=	1.50"
V=	65 MPH

LEGEND

- STREET/ALLEY/ DRIVE RECONSTRUCTION
- SIDEWALK



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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 87 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 408+50 TO STA 416+50

IN-PROGRESS

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ON 09 MAR 07
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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. CC2-7015 REV

EN/2/24/09/09/1-411/2/015.00
10:25:53 AM
3/26/2007
CPY-DRT

REF ROTATION=0.00000
WALNUT HILL DRIVE/STATION 1.01

REV. RAJESH/REGR/1.00, 11.15.11-10.25-27.31.41.46
MODIFY. RAJESH/REGR/1.00, 2-30.35.31-61
TOPIC. RAJESH/REGR/1.00, 2-5.8-11.13-18.20-21.25.29.31.35-36.45.52
PDR. RAJESH/REGR/1.00, 1-4.7-14.18-61
UTL. RAJESH/REGR/1.00, 1-19.21-60

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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3/26/2007
CPY-DART

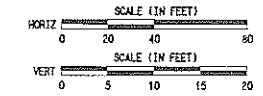
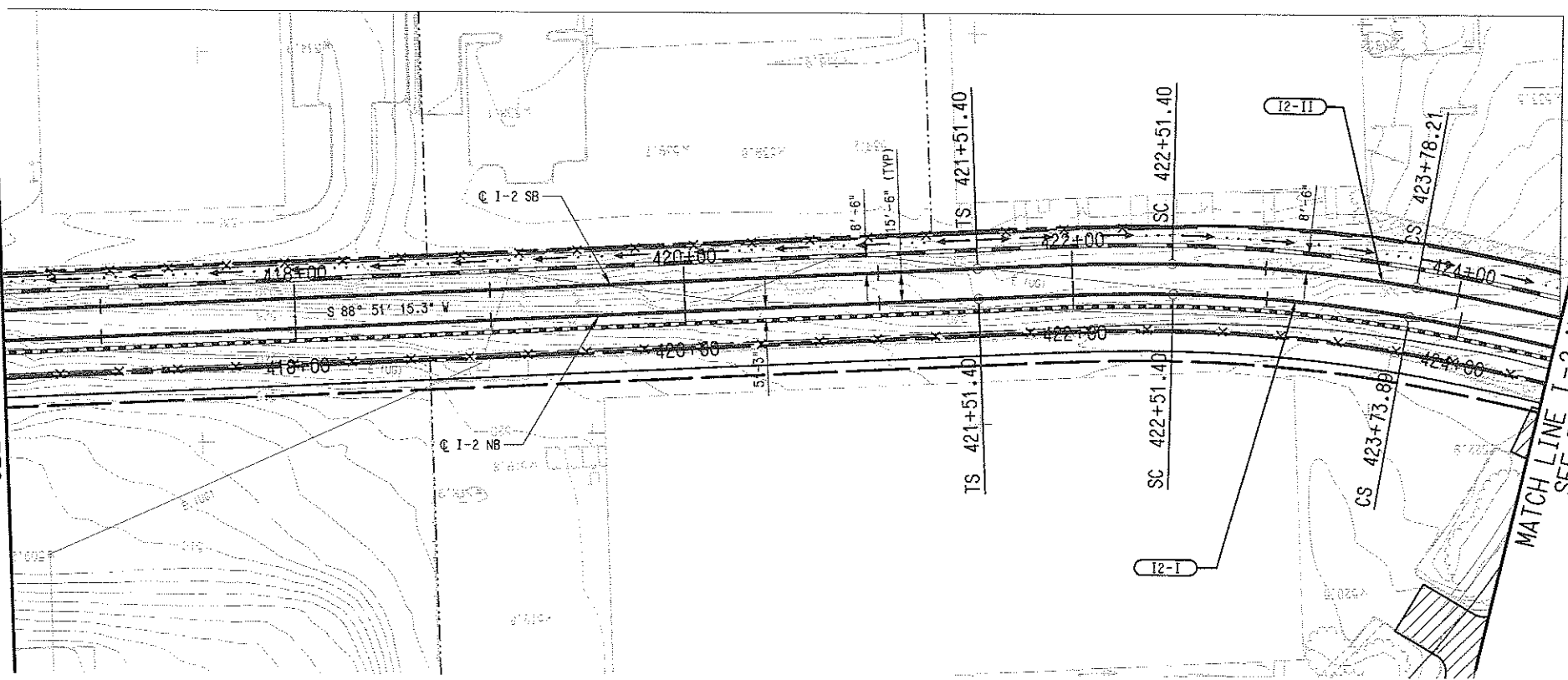
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REV. RAJAN/REDA/1.040, 11-15-17-19-20-21-27-31-31-41-46
MODIFY. RAJAN/REDA/1.040, 2-30-30-37-41
TOPOG. RAJAN/REDA/1.040, 2-5-8-11-13-15-18-20-21-25-29-31-35-36-40-42
PSH. RAJAN/REDA/1.040, 1-4-7-14-16-61
UTIL. RAJAN/REDA/1.040, 1-19-21-60

ALLEN. RAJAN/REDA/1.040, 1-4-4-4-4-60
BOL. RAJAN/REDA/1.040, 6-10-15-17
SITE. RAJAN/REDA/1.040, 1-3-3-3-3-4-4-62
CIVIL. RAJAN/REDA/1.040, 1-3-3-3-3-4-4-61
UTLIP. RAJAN/REDA/1.040, 1-61

MATCH LINE I-2 NB STA 416+50
SEE DWG No. CC2-7015

MATCH LINE I-2 NB STA 424+50
SEE DWG No. CC2-7017



I-2-I (NB)

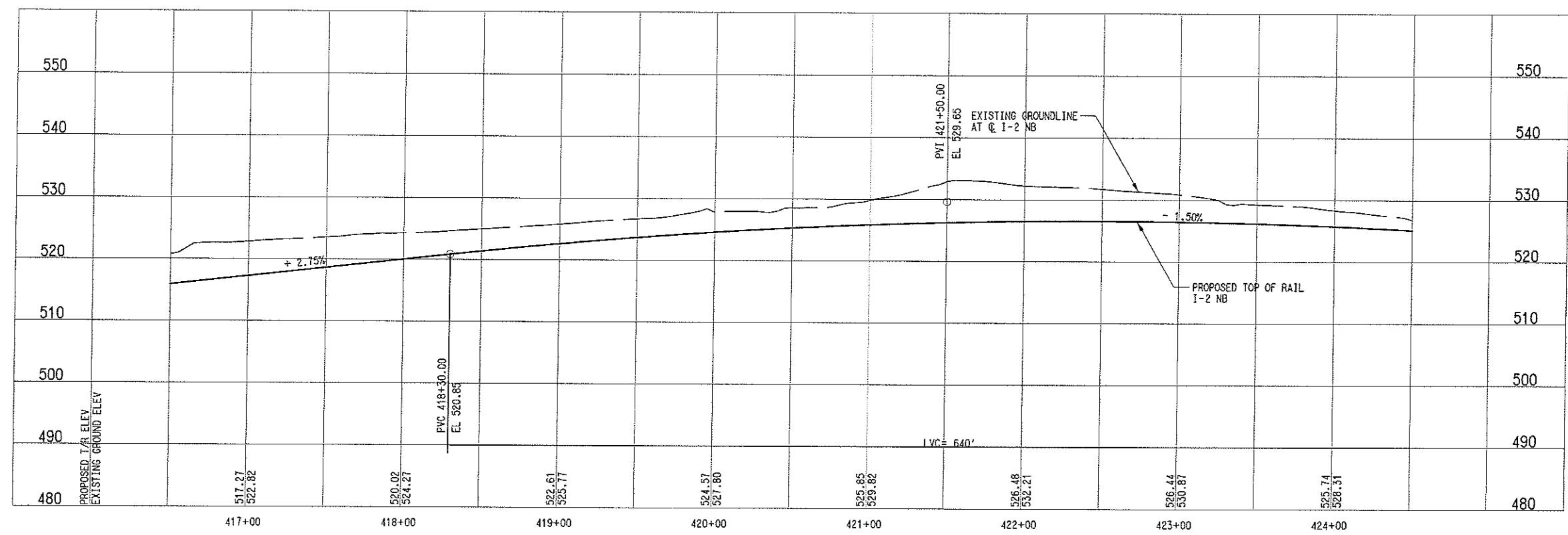
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Le =	122.50'
Eo =	3.00"
Eu =	1.50"
V =	30 MPH

I-2-II (SB)

Rc =	815.50'
Ls =	100.00'
Le =	126.81'
Eo =	3.00"
Eu =	1.41"
V =	30 MPH

LEGEND

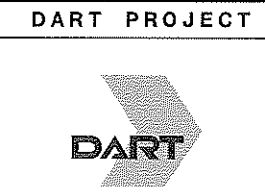
STREET/ALLEY/ DRIVE RECONSTRUCTION



CONTRACT SHEET No.	88 OF
LIGHT RAIL TRANSIT SYSTEM LINE SECTION I-2	
GUIDEWAY PLAN AND PROFILE STA 416+50 TO STA 424+50	
CONTRACT	DWG No.
C-93775-1	CC2-7016

IN-PROGRESS

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REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

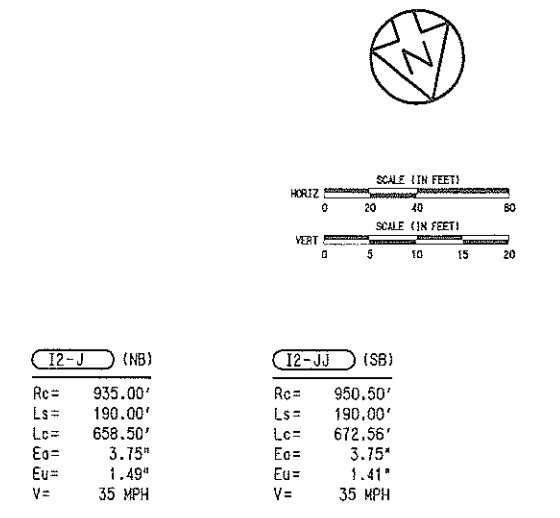
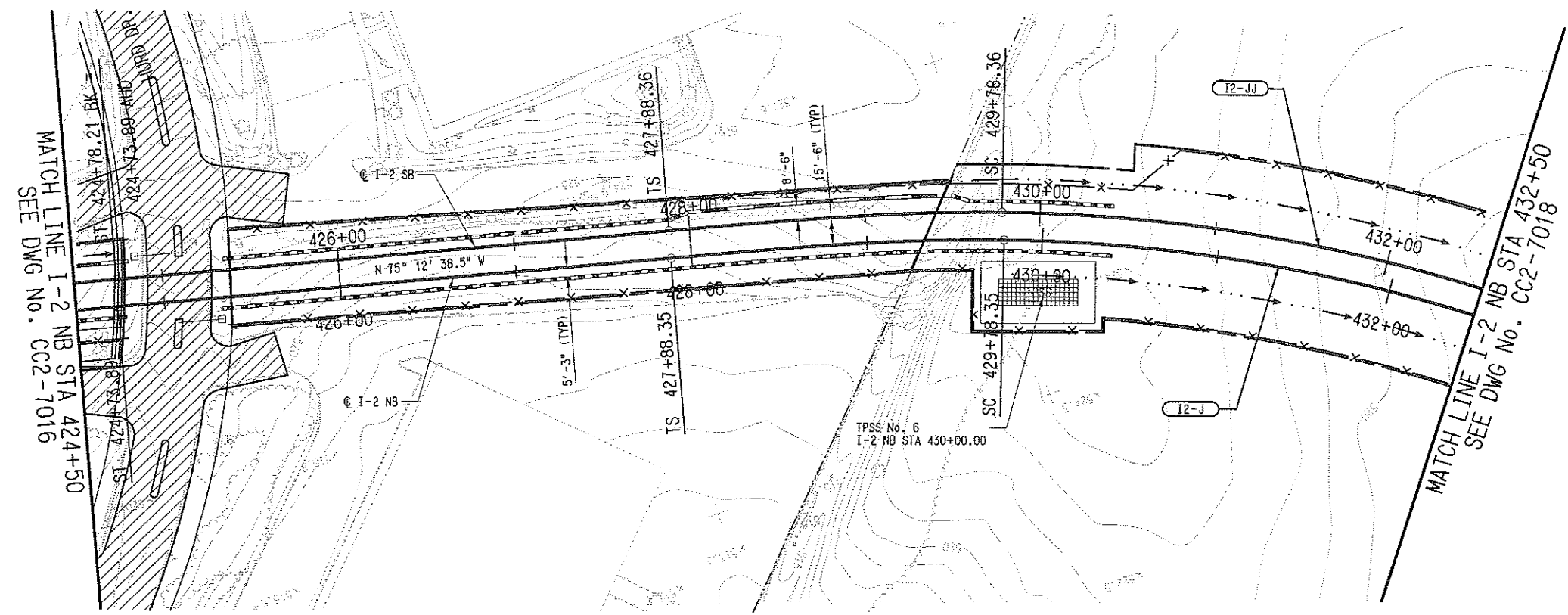
CONTRACT	DWG No.	REV
C-93775-1	CC2-7016	

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3/26/2007
CPY-DART

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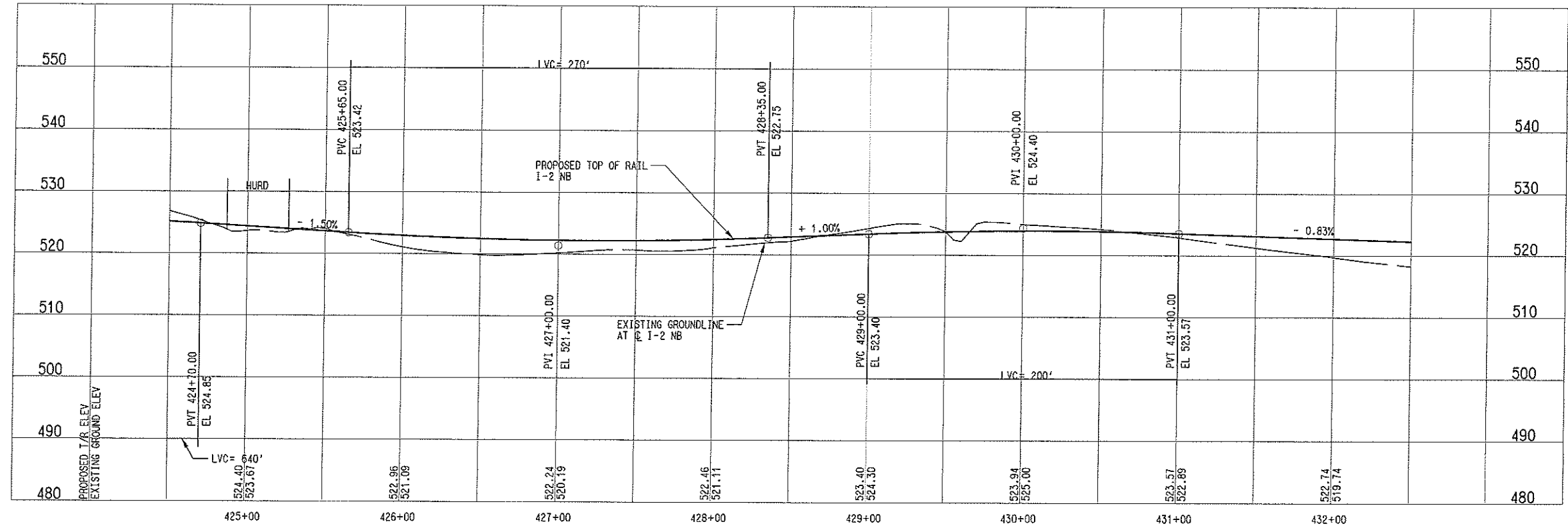
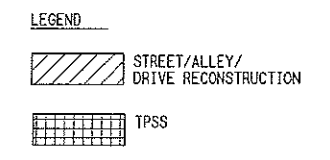
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BR, R:\1\2\172017.dwg, 6, 10, 15, 17
SITE, R:\1\2\172017.dwg, 1, 2, 5, 25, 34, 62
CIVIL, R:\1\2\172017.dwg, 1, 3, 61
UTL, R:\1\2\172017.dwg, 1, 61



I2-J (NB)		I2-JJ (SB)	
Re=	935.00'	Re=	950.50'
Ls=	190.00'	Ls=	190.00'
Lc=	658.50'	Lc=	672.56'
Eo=	3.75"	Eo=	3.75"
Eu=	1.49"	Eu=	1.41"
V=	35 MPH	V=	35 MPH

- NOTES:
- PROPOSED TPSS LOCATIONS ARE PRELIMINARY. FINAL DESIGNER SHALL COORDINATE FINAL LOCATIONS.
 - SUBSTATION SITE SHALL ACCOMMODATE TRACTION POWER SUBSTATION, SPDC AND COMMUNICATION BUNGALOW. ACCESS ROAD TO SITE SHALL BE DETERMINED DURING THE FINAL DESIGN PHASE.



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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **89** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 424+50 TO STA 432+50

IN-PROGRESS

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ON 09 MAR 07
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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

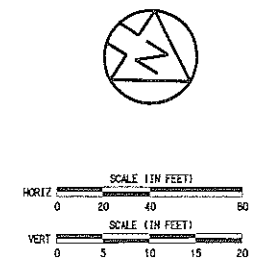
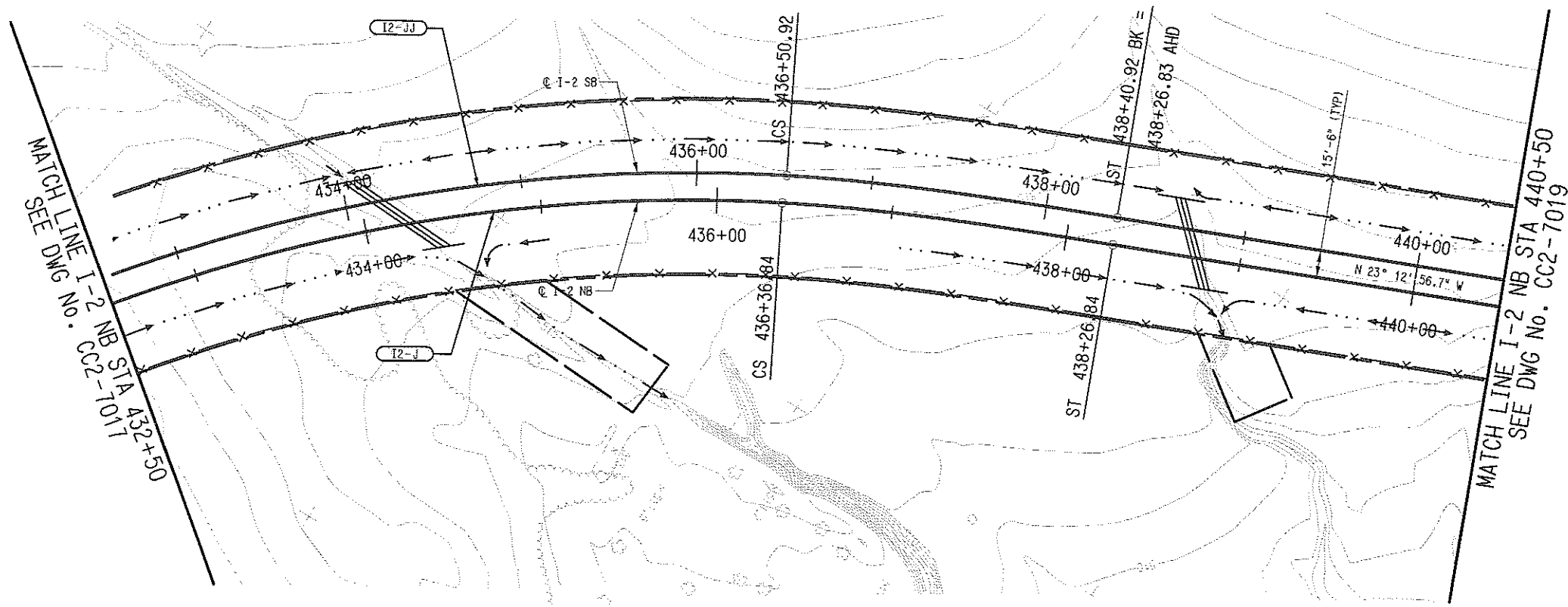


CONTRACT C-93775-1

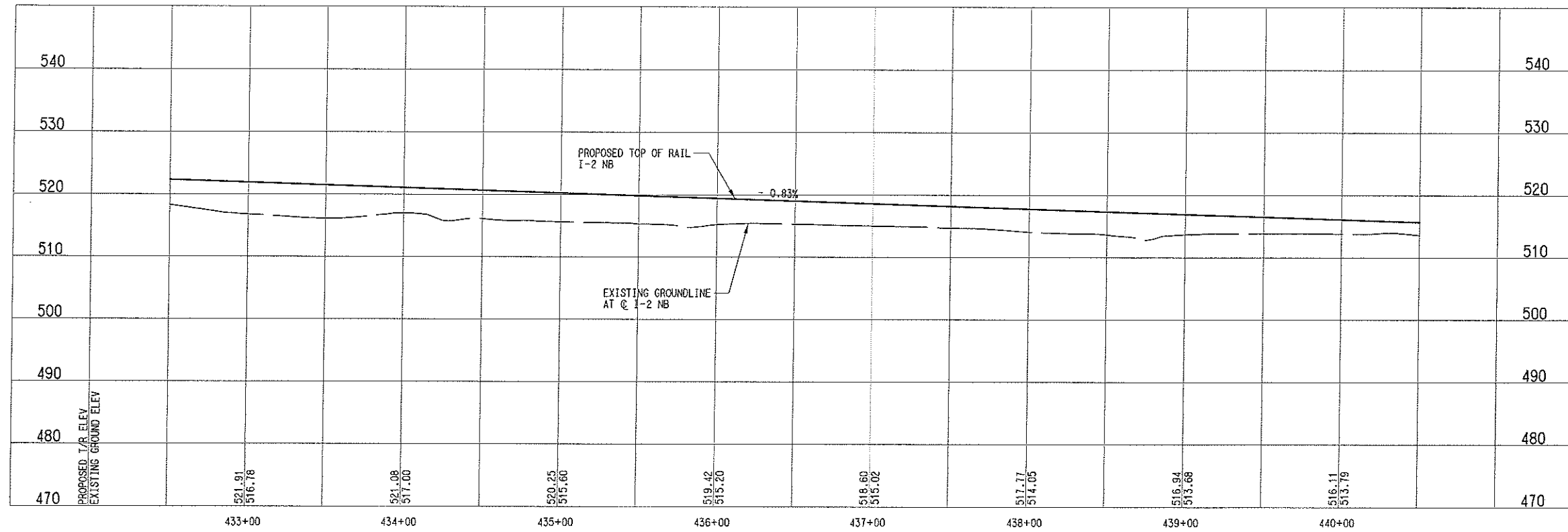
DWG No. CC2-7017

REV

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP



I-2-J (NB)		I-2-JJ (SB)	
Rc=	935.00'	Rc=	950.50'
Ls=	190.00'	Ls=	190.00'
Lc=	658.50'	Lc=	672.56'
Ea=	3.75"	Ea=	3.75"
Eu=	1.49"	Eu=	1.41"
V=	35 MPH	V=	35 MPH



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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 90 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 432+50 TO STA 440+50

IN-PROGRESS

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DART PROJECT



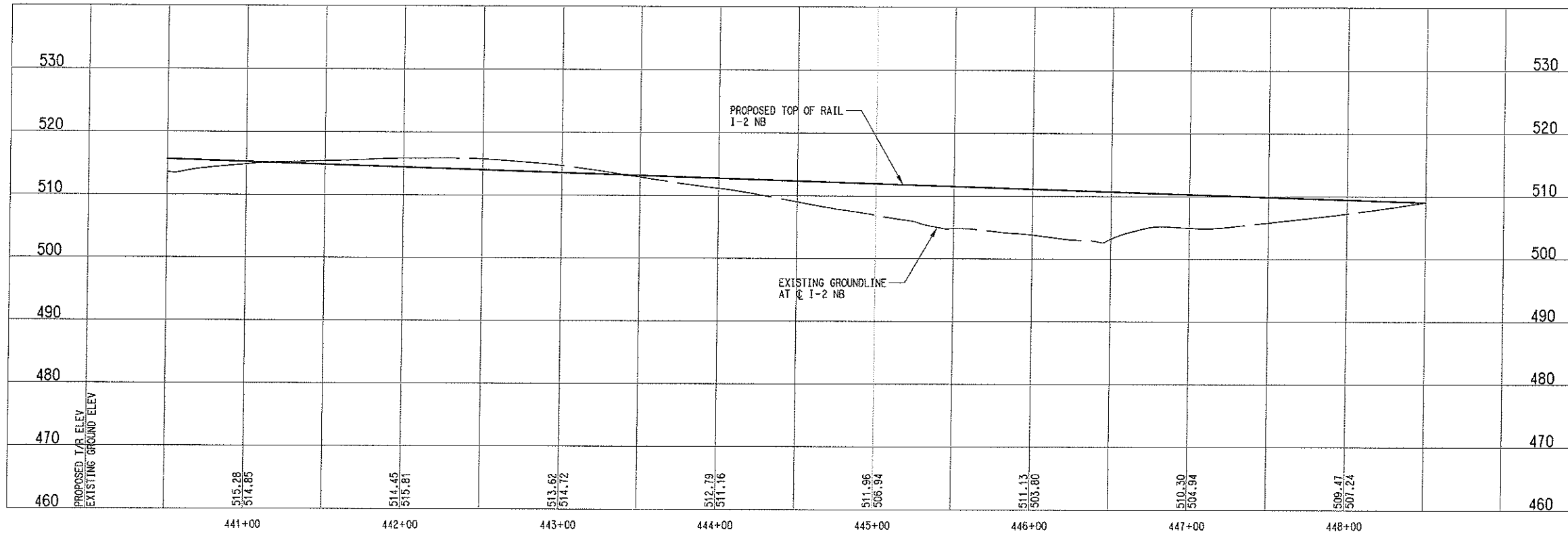
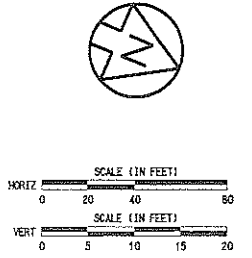
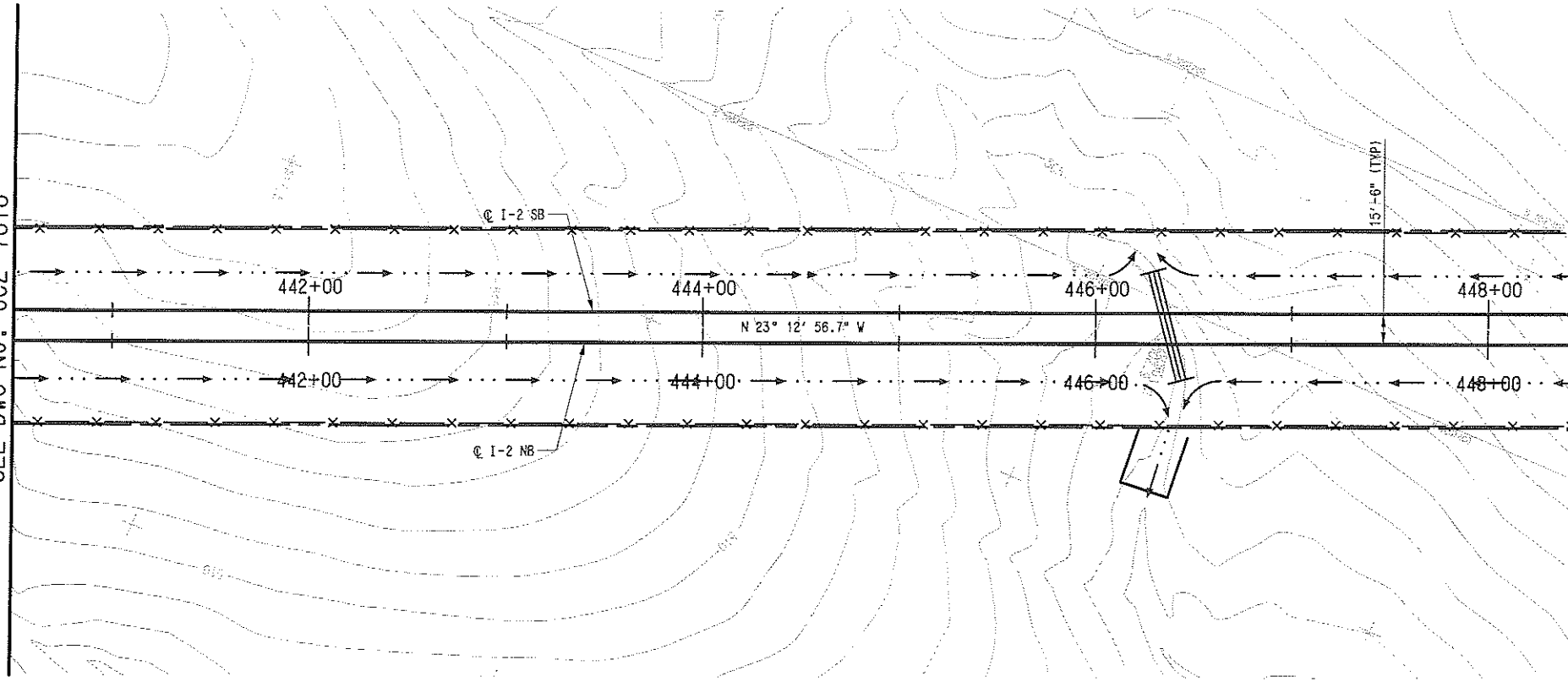
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. CC2-7018 REV

ALJN, RA12A1R2001.000, 1-45-07-00
 BRPL, RA12A1R2001.000, 6-10-05-17
 SITE, RA12A1R2001.000, 1-15-02-34-02
 CIVL, RA12A1R2001.000, 1-15-01
 UTIL, RA12A1R2001.000, 1-01
 RM, RA12A1R2001.000, 1-15-11-05-27-31-01-06
 MODIFY, RA12A1R2001.000, 2-30-05-37-01
 TPOD, RA12A1R2001.000, 2-5-05-11-13-02-01-01, 2-5-05-11-13-02-01-01, 2-5-05-11-13-02-01-01, 2-5-05-11-13-02-01-01
 PSTM, RA12A1R2001.000, 1-4-1-14-16-01
 UTL, RA12A1R2001.000, 1-19-21-00
 PREPARED BY: J. TIPTON
 DATE: 09 MAR 07
 CHECKED BY: J. TIPTON
 DATE: 09 MAR 07
 DRAWN BY: R. THOMPSON
 DATE: 09 MAR 07
 SCALE: AS SHOWN
 CONTRACT: C-93775-1
 DWG No.: CC2-7018
 REV:

MATCH LINE I-2 NB STA 440+50
SEE DWG No. CC2-7018

MATCH LINE I-2 NB STA 448+50
SEE DWG No. CC2-7020



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PRELIMINARY ENGINEERING 10% DESIGN

REF ROTATION=0.00000
WACOMEN\VENIB\BAK\Singh1.tbi

DATE: 3/28/2007
COPY: DART

DATE: 10/18/11

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

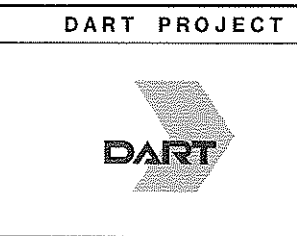
IN-PROGRESS

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JOHN TIPTON, P.E., NO. 61157

ON 09 MAR 07

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SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

CONTRACT SHEET No. 91 OF

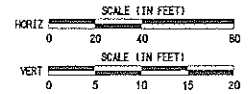
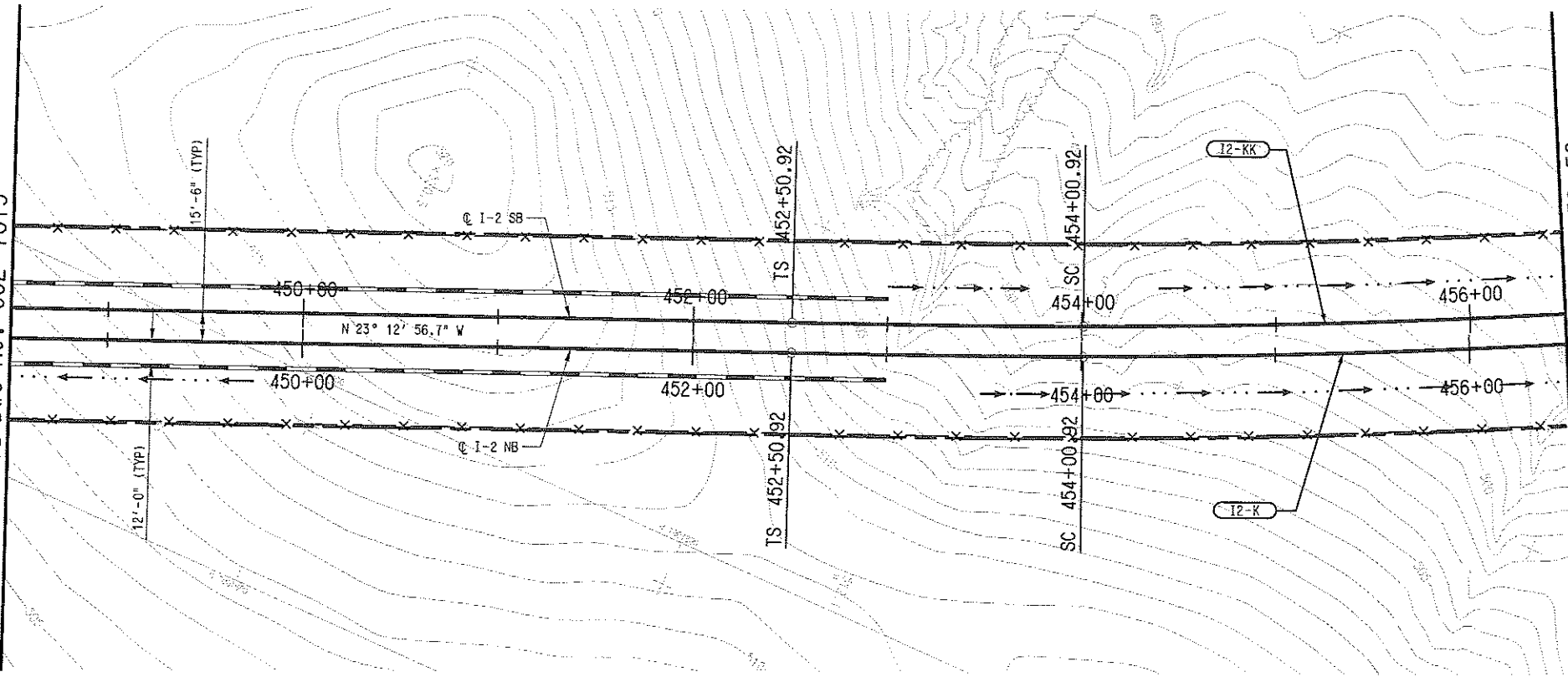
LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

GUIDEWAY PLAN AND PROFILE
STA 440+50 TO STA 448+50

CONTRACT	C-93775-1	DWG No.	CC2-7019	REV	
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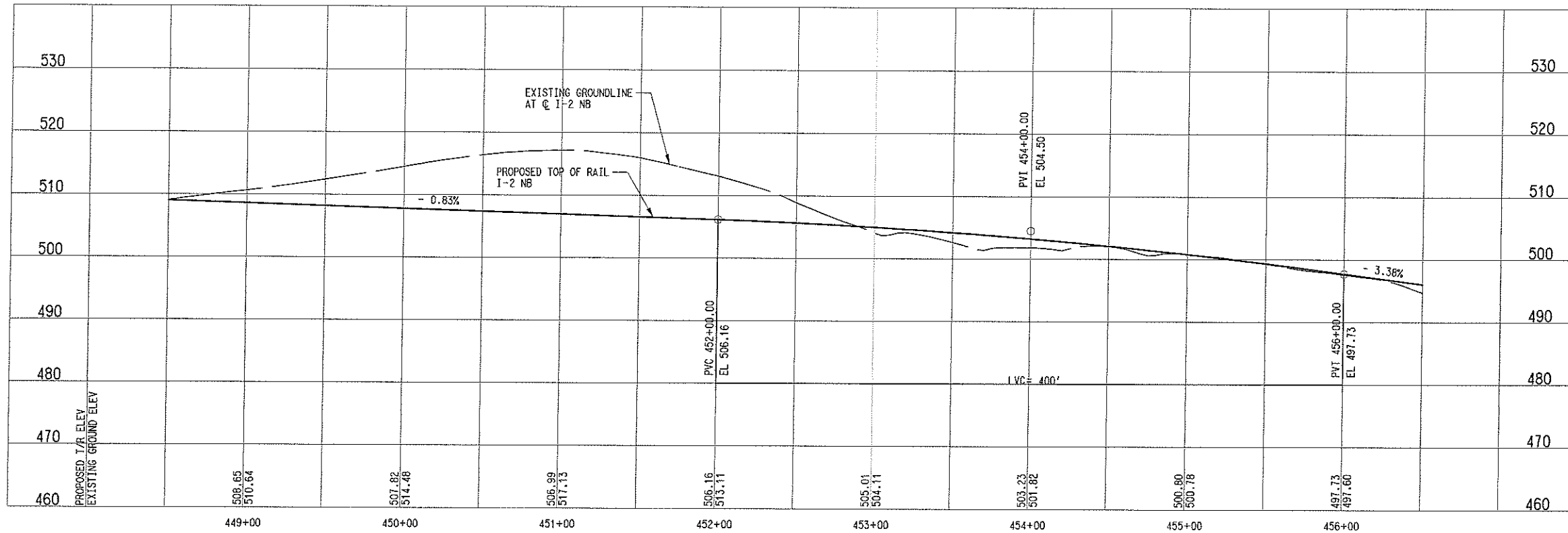
MATCH LINE I-2 NB STA 448+50
SEE DWG No. CC2-7019

MATCH LINE I-2 NB STA 456+50
SEE DWG No. CC2-7021



I-2-K (NB)	
Re=	4525.50'
Ls=	150.00'
Lo=	1715.25'
Eo=	2.25"
Eu=	1.48"
V=	65 MPH

I-2-KK (SB)	
Re=	4510.00'
Ls=	150.00'
Lo=	1708.86'
Eo=	2.25"
Eu=	1.50"
V=	65 MPH



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **92** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

GUIDEWAY PLAN AND PROFILE
STA 448+50 TO STA 456+50

IN-PROGRESS

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AUTHORITY OF:
JOHN TIPTON, P.E. NO. 61157
ON 09 MAR 07
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BIDDING, OR PERMIT PURPOSES.



DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

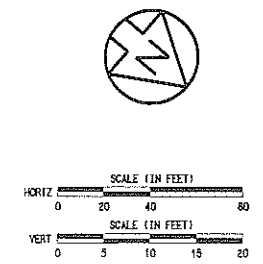
CONTRACT	C-93775-1	DWG No.	CC2-7020	REV	
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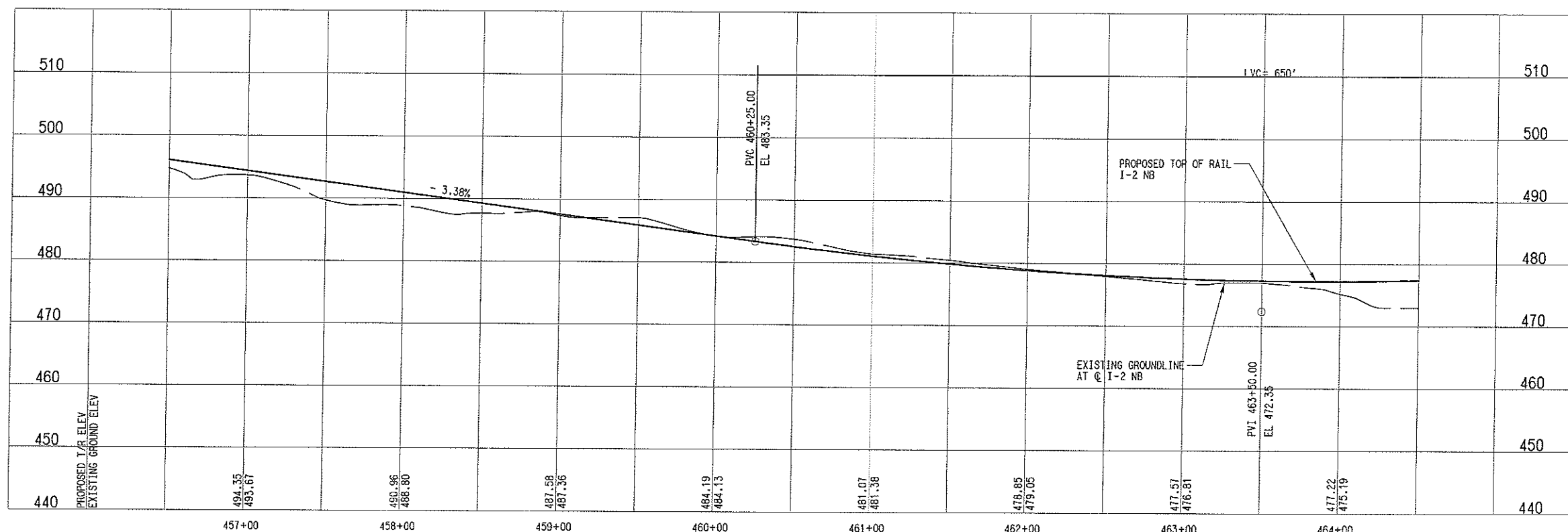
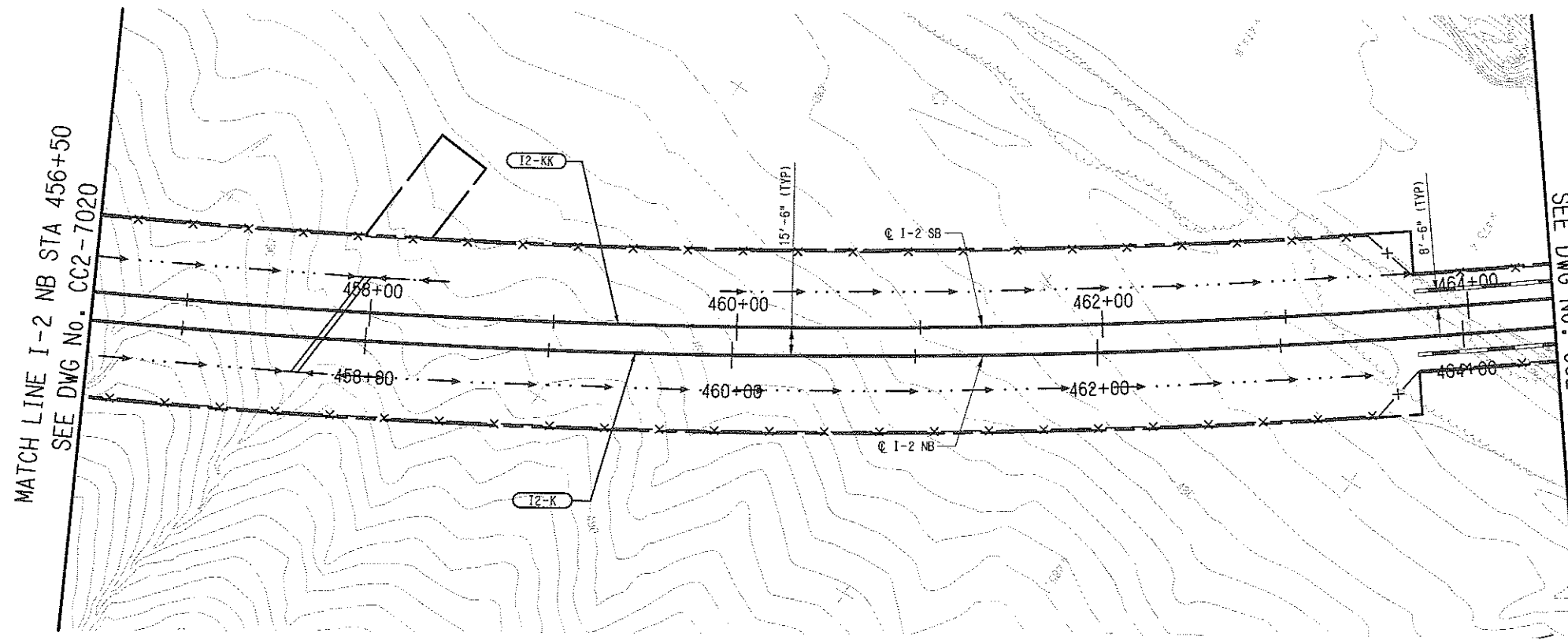
MATCH LINE I-2 NB STA 456+50
SEE DWG No. CC2-7020

MATCH LINE I-2 NB STA 464+50
SEE DWG No. CC2-7022



I-2-K (NB)	
Rc=	4525.50'
Ls=	150.00'
Lc=	1715.25'
Eo=	2.25"
Eu=	1.48"
V=	65 MPH

I-2-KK (SB)	
Rc=	4510.00'
Ls=	150.00'
Lc=	1708.86'
Eo=	2.25"
Eu=	1.50"
V=	65 MPH



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 93 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

GUIDEWAY PLAN AND PROFILE
STA 456+50 TO STA 464+50

IN-PROGRESS

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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	P. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

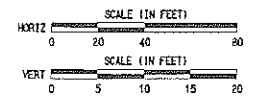
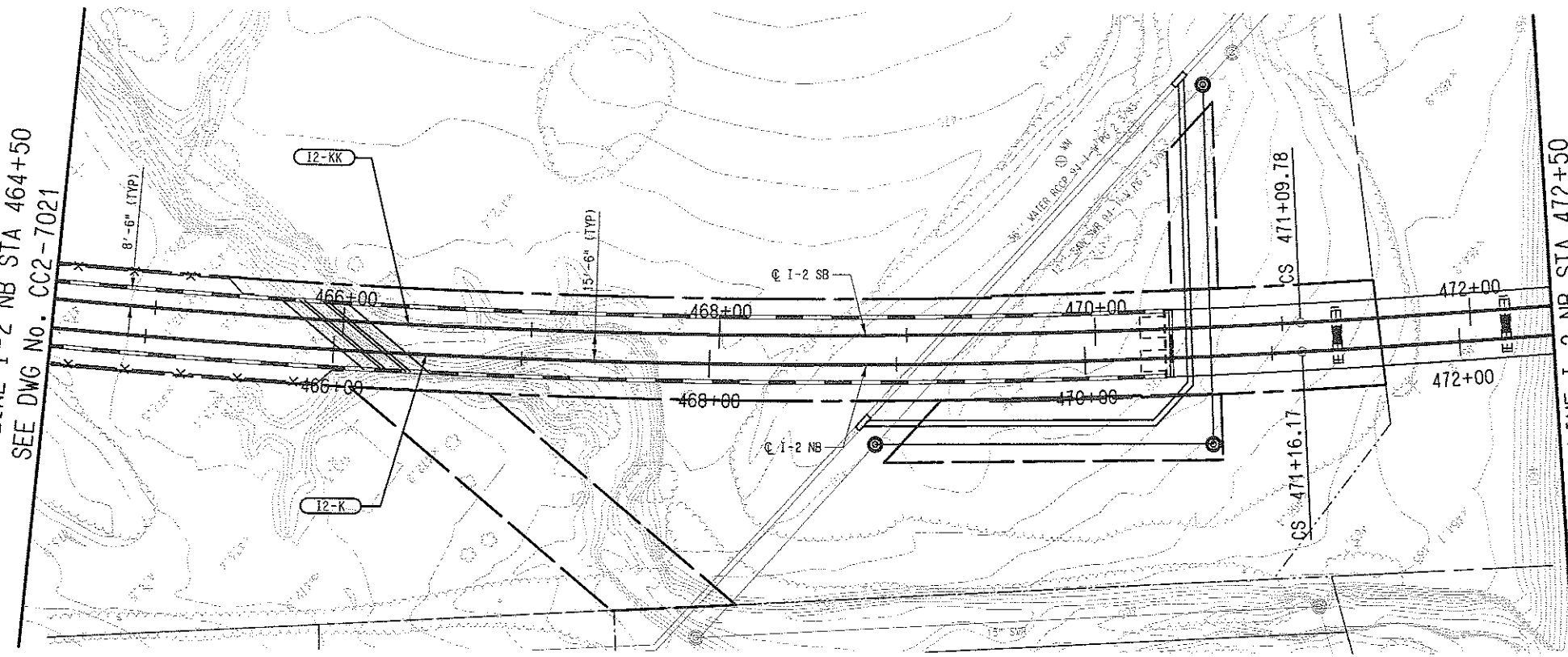
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 SITE, RA12V1R22611.040, 1-3-03-32.34-02
 CIVIL, RA12V1R22611.040, 1-3-01
 UTIL, RA12V1R22611.040, 1-19-01
 BRN, RA12V1R22611.040, 11-15-17-19-25-27-31-41-46
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 TOPOG, RA12V1R22611.040, 2-5-08-11-13-18-20-21-23-29-31-35-36-49-52
 PERM, RA12V1R22611.040, 1-4-14-18-01
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 TOPOG, RA12V1R22611.040, 2-5-08-11-13-18-20-21-23-29-31-35-36-49-52
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 UTIL, RA12V1R22611.040, 1-19-21-00

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

MATCH LINE I-2 NB STA 464+50
SEE DWG No. CC2-7021

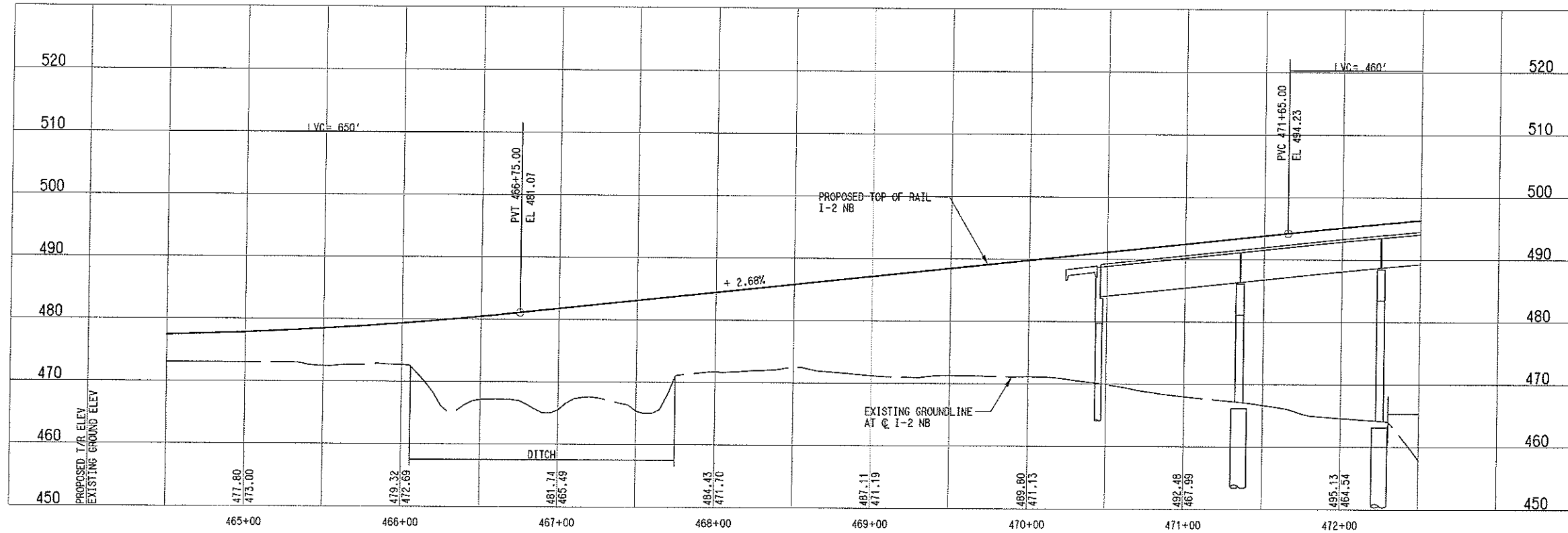
MATCH LINE I-2 NB STA 472+50
SEE DWG No. CC2-7023



I2-K (NB)	
Re=	4525.50'
Ls=	150.00'
Lc=	1715.25'
Ea=	2.25°
Eu=	1.48°
V=	65 MPH

I2-KK (SB)	
Re=	4510.00'
Ls=	150.00'
Lc=	1708.86'
Ea=	2.25°
Eu=	1.50°
V=	65 MPH

- NOTES:
- FINAL DESIGNER SHALL INVESTIGATE THE NEED FOR COLUMN PROTECTION FOR THE LRT BRIDGE STRUCTURE NEAR EXIST. & PROPOSED ROADWAYS & EXIST. WATERWAYS.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **94** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

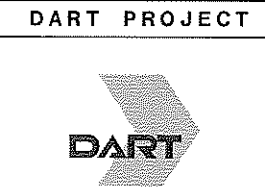
GUIDEWAY PLAN AND PROFILE
STA 464+50 TO STA 472+50

CONTRACT C-93775-1 DWG No. CC2-7022 REV

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 CPU-DART

IN-PROGRESS

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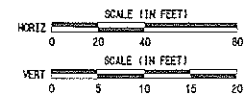
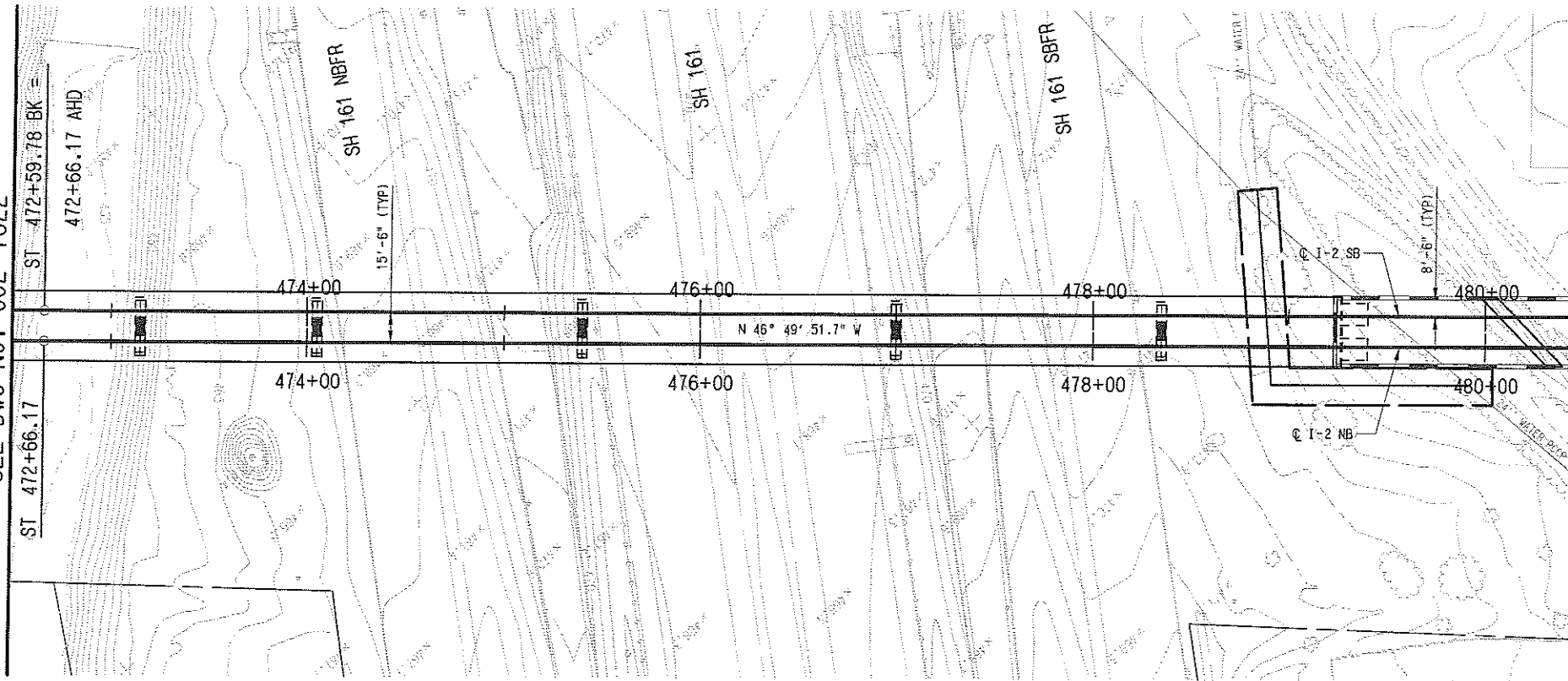


SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

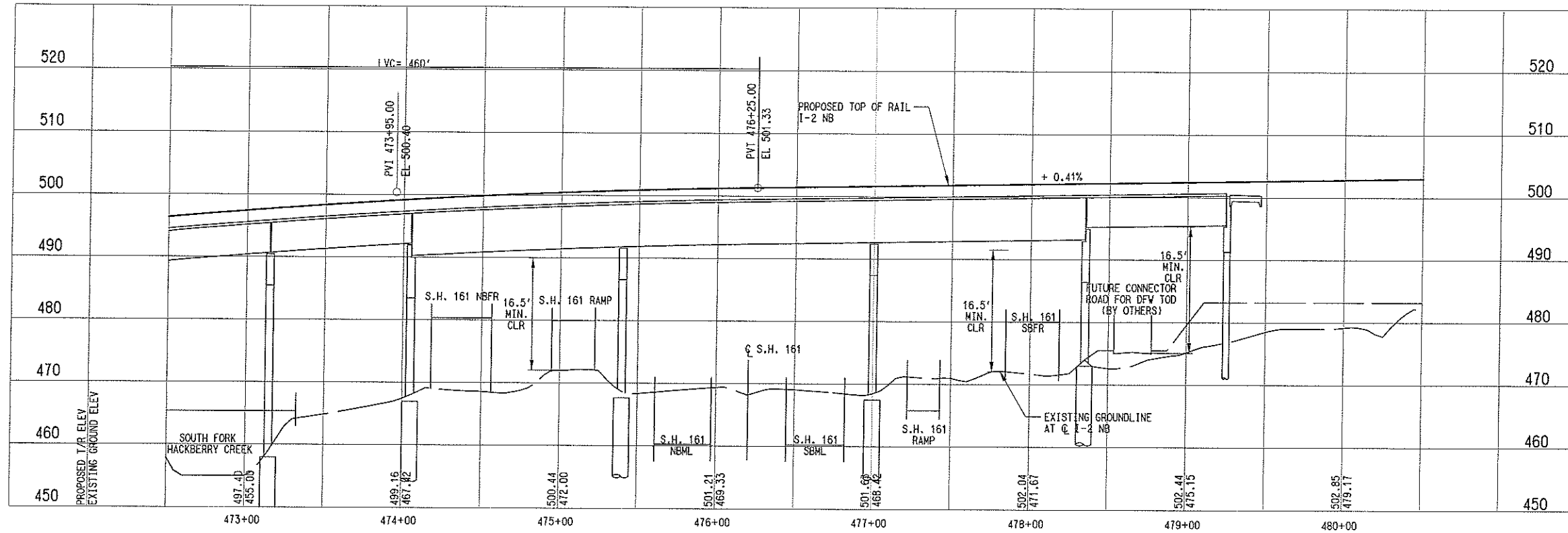
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MATCH LINE I-2 NB STA 472+50
SEE DWG No. CC2-7022

MATCH LINE I-2 NB STA 480+50
SEE DWG No. CC2-7024



- NOTES:
1. FINAL DESIGNER SHALL INVESTIGATE THE NEED FOR COLUMN PROTECTION FOR THE LRT BRIDGE STRUCTURE NEAR EXIST. & PROPOSED ROADWAYS & EXIST. WATERWAYS.



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 95 OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2**

GUIDEWAY PLAN AND PROFILE
STA 472+50 TO STA 480+50

CONTRACT C-93775-1 Dwg No. CC2-7023

PROJECT INFORMATION
DATE: 10/26/09 AM
SCALE: 1/8"=1'-0"

PROJECT INFORMATION
DATE: 10/26/09 AM
SCALE: 1/8"=1'-0"

PROJECT INFORMATION
DATE: 10/26/09 AM
SCALE: 1/8"=1'-0"

PROJECT INFORMATION
DATE: 10/26/09 AM
SCALE: 1/8"=1'-0"

IN-PROGRESS
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DART PROJECT

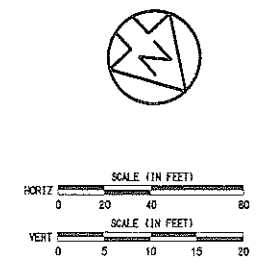
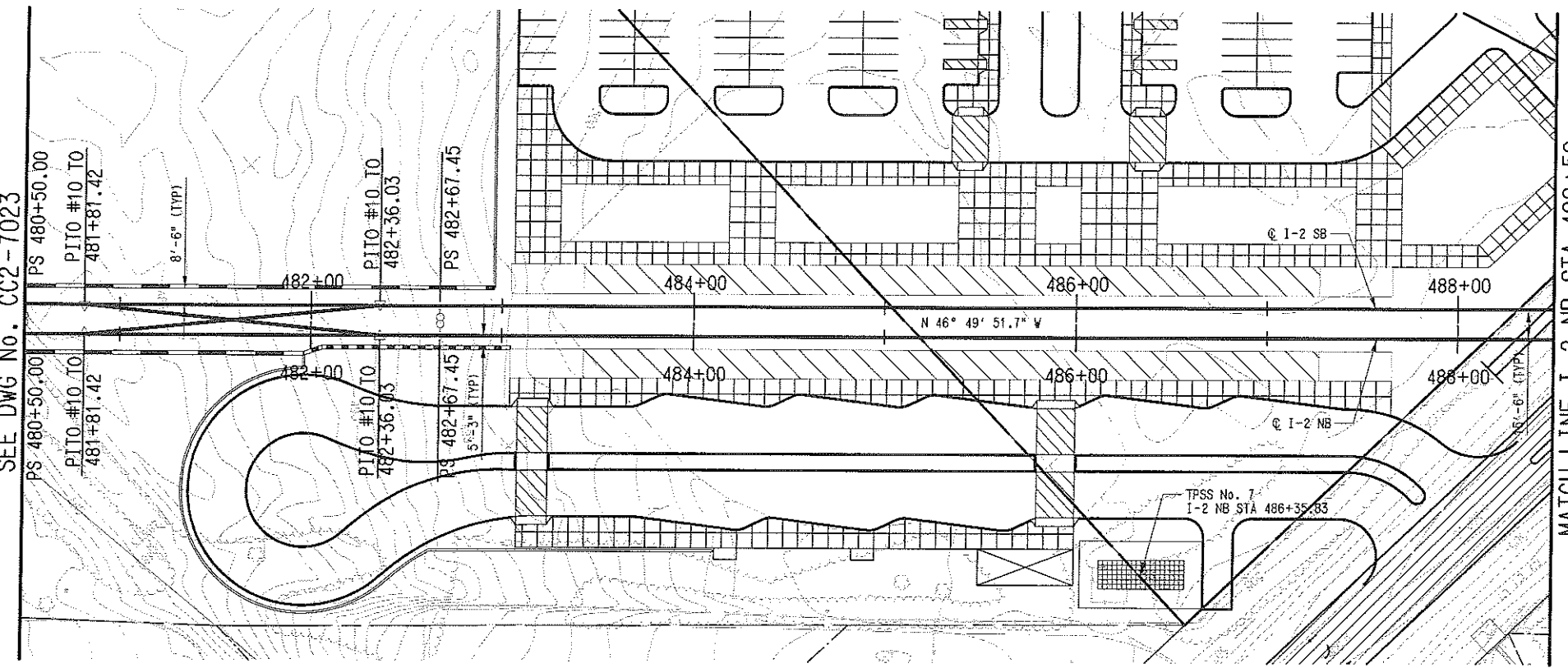
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

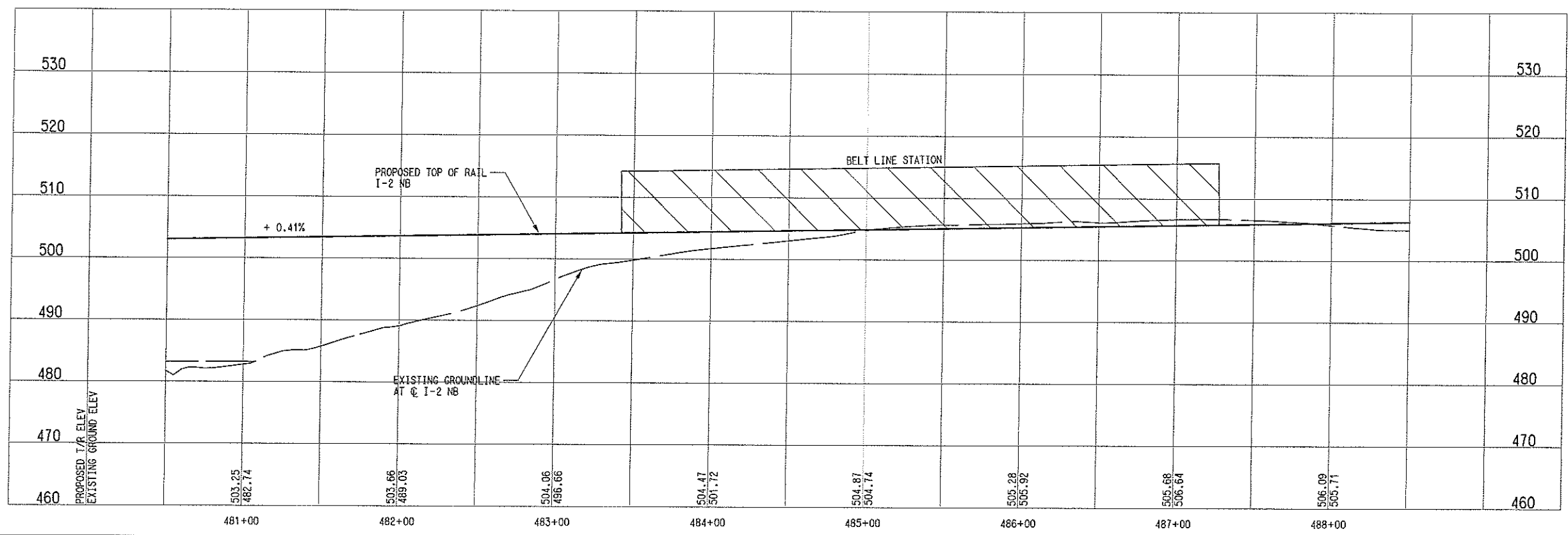
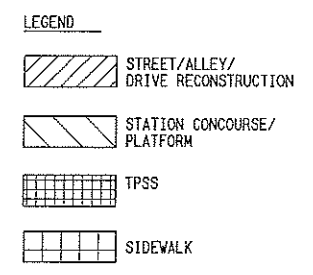
PROJECT INFORMATION
DATE: 10/26/09 AM
SCALE: 1/8"=1'-0"

MATCH LINE I-2 NB STA 480+50
SEE DWG No. CC2-7023

MATCH LINE I-2 NB STA 488+50
SEE DWG No. CC2-7025



- NOTES:
1. PROPOSED TPSS & CROSSOVER LOCATIONS ARE PRELIMINARY. FINAL DESIGNER SHALL COORDINATE FINAL LOCATIONS.
 2. SUBSTATION SITE SHALL ACCOMMODATE TRACTION POWER SUBSTATION, SPDC AND COMMUNICATION BUNGALOW. ACCESS ROAD TO SITE SHALL BE DETERMINED DURING THE FINAL DESIGN PHASE.



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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 96 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
GUIDEWAY PLAN AND PROFILE
STA 480+50 TO STA 488+50

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3/26/2007
CPY-BART

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6-10, 15-17
1-3, 5-9, 34-42
1-3, 61

IN-PROGRESS

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DART PROJECT



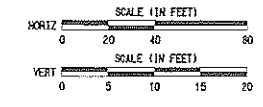
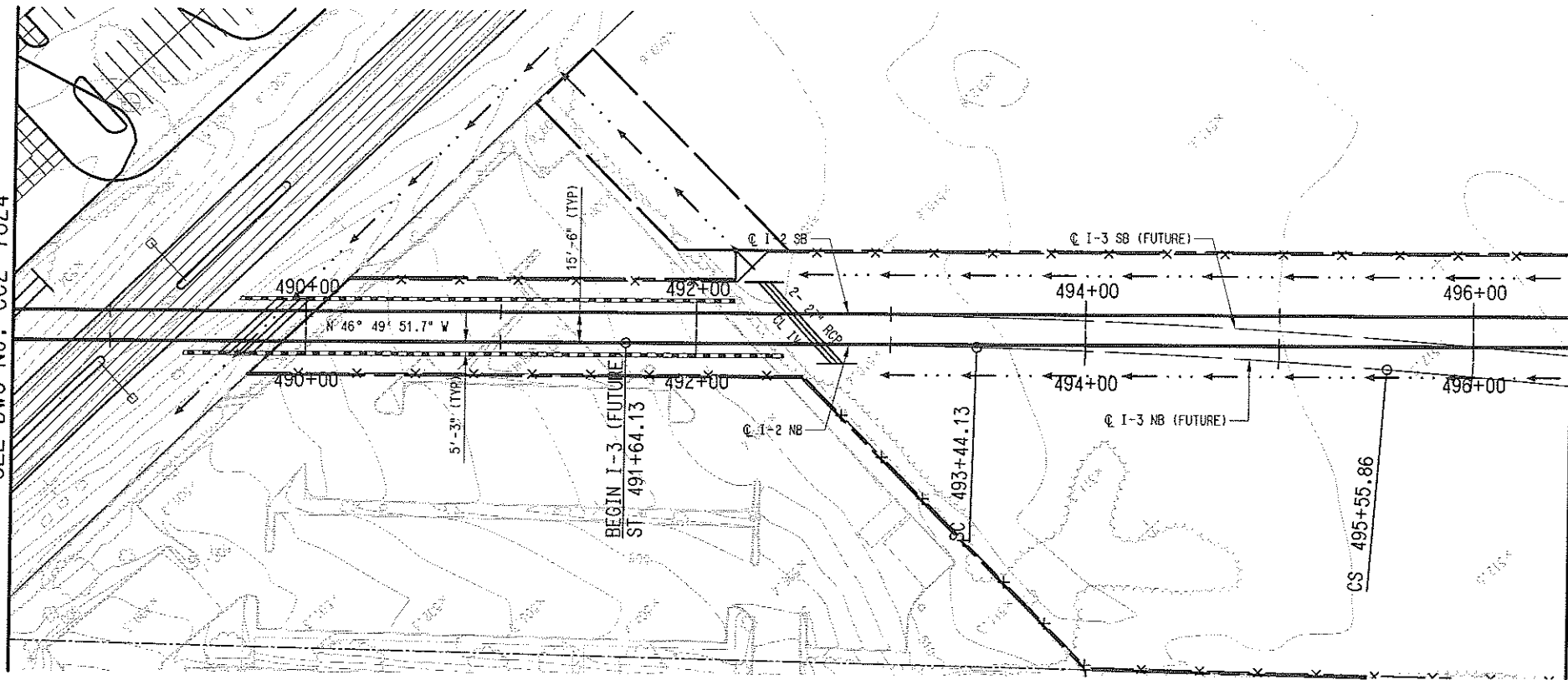
SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07



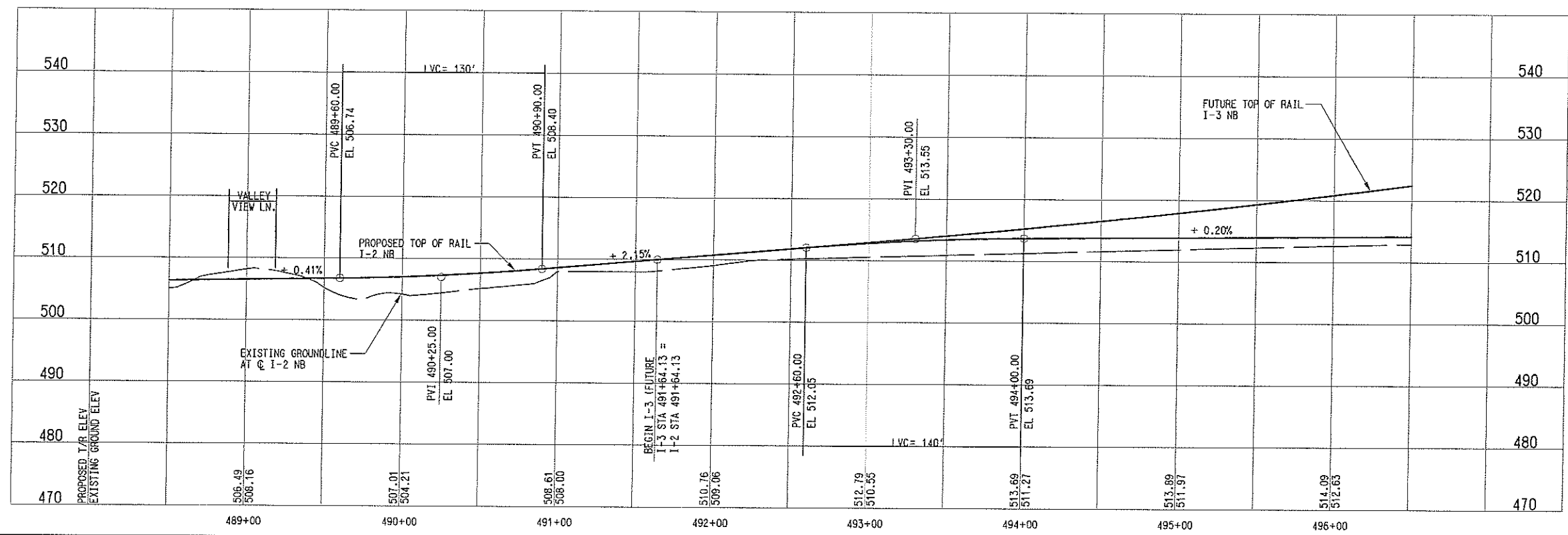
CONTRACT	C-93775-1	DWG No.	CC2-7024	REV
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MATCH LINE I-2 NB STA 488+50
SEE DWG No. CC2-7024

MATCH LINE I-2 NB STA 496+50
SEE DWG No. CC2-7026



- LEGEND
- STREET/ALLEY/ DRIVE RECONSTRUCTION
 - SIDEWALK



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **97** OF

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 3/26/2007
 CPV-DART

P:\12\114 AN
 3/26/2007
 CPV-DART

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 PRINT: RA12\RA12\RA12\11.000, 1-4-17-14, 16-61
 UTIL: RA12\RA12\RA12\11.000, 1-19-21-69

ALJN: RA12\RA12\RA12\11.000, 1-4-07-50
 GBB: RA12\RA12\RA12\11.000, 6-10-15-17
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 CIVL: RA12\RA12\RA12\11.000, 1-13-51
 UTIL: RA12\RA12\RA12\11.000, 1-61

IN-PROGRESS

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DART PROJECT



SCALE	AS SHOWN
DRAWN	R. THOMPSON
DESIGNED	R. THOMPSON
CHECKED	J. TIPTON
IN CHARGE	J. TIPTON
DATE	09 MAR 07

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-2
 GUIDEWAY PLAN AND PROFILE
 STA 488+50 TO STA 496+50

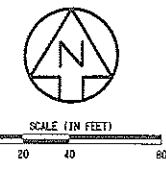
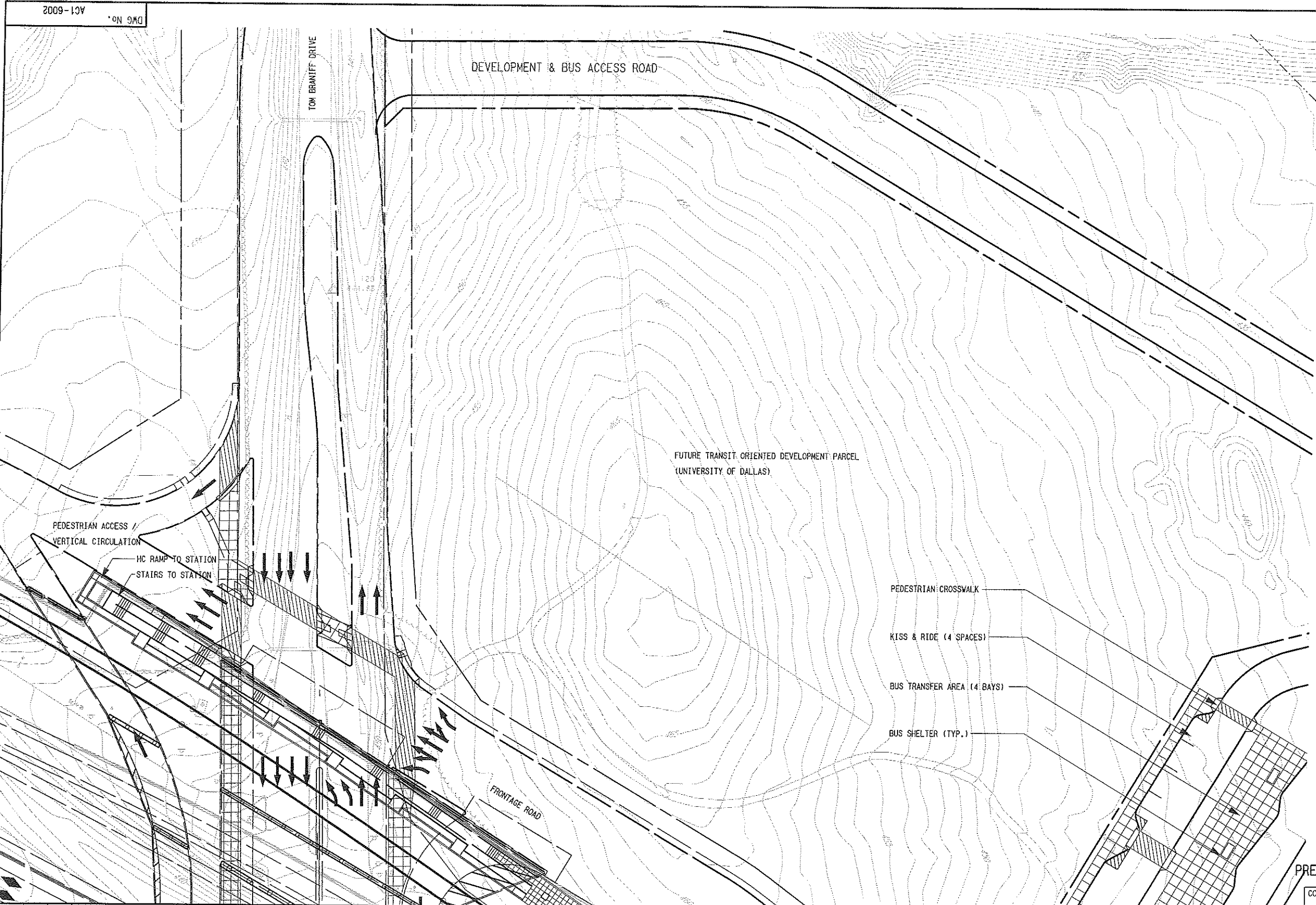
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SFTLE:0.01

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5/26/2007
CPJ-DAT



- NOTES:
1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

PARK & RIDE SPACES: N/A
 KISS & RIDE SPACES: 004
 BUS BAYS: 005
 ZONING: LT. IND./ INST.
 SITE AREA: 179,364 SF / 4.12 AC

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 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 100 OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 ARCHITECTURAL SITE PLAN
 UNIVERSITY OF DALLAS STATION
 (SITE PLAN ,SHEET 2 OF 3)

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

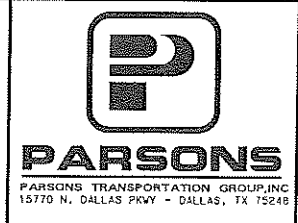
IN-PROGRESS

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C. TOMLINSON, A.I.A.
 TX Reg No. 13551
 ON 09 MAR 07

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WRT Planning & Design
 Wallace Roberts & Todd, LLC
 1509 Main Street, Suite 1609
 Dallas, Texas 75201
 214.403-8557 fax 214.323.0566



DART PROJECT

DART

SCALE	1" = 40'-0"
DRAWN	D.RAINES
DESIGNED	D.RAINES
CHECKED	C.TOMLINSON
IN CHARGE	R.KELLY
DATE	09 MAR 07

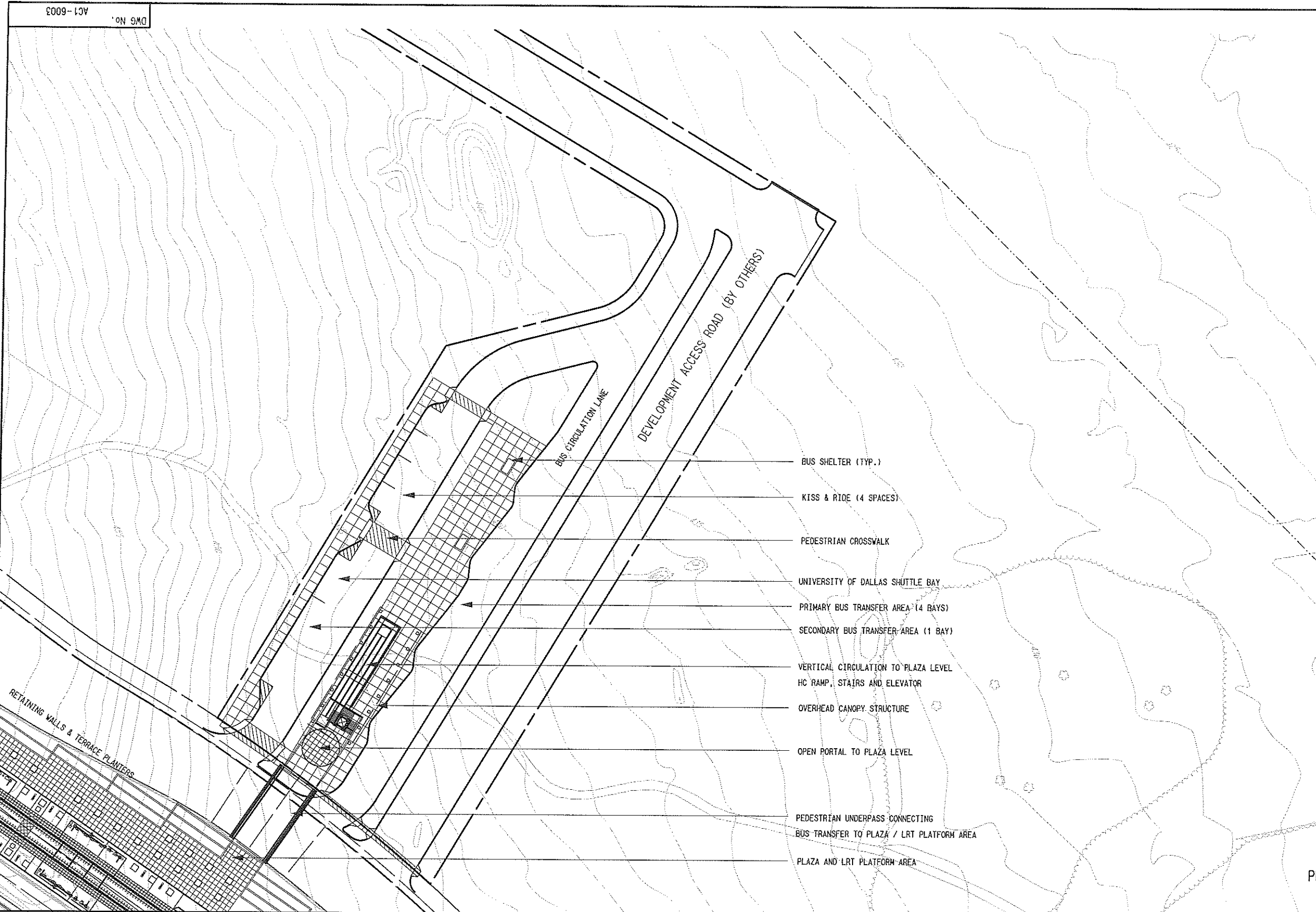
CONTRACT C-93775-1 DWG No. AC1-6002



NOTES:

1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

ALDRIN, RAINX\Rainx1.dwg, 2-5-07-11-13-18-20-21-25-29-31-35-36-40-52
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 RAINX\Rainx1.dwg, 2-30-35-37-81



PARK & RIDE SPACES: N/A
 KISS & RIDE SPACES: 004
 BUS BAYS: 005
 ZONING: LT. IND. / INST.
 SITE AREA: 179,364 SF / 4.12 AC

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 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **101** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
ARCHITECTURAL SITE PLAN
UNIVERSITY OF DALLAS STATION
(SITE PLAN, SHEET 3 OF 3)

IN-PROGRESS

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Wallace Roberts & Todd, LLC
 1509 Main Street, Suite 1609
 Dallas, Texas 75201
 214.403-8557 Fax 214.393.0566

PARSONS TRANSPORTATION GROUP, INC
 15770 N. DALLAS PKWY - DALLAS, TX 75248

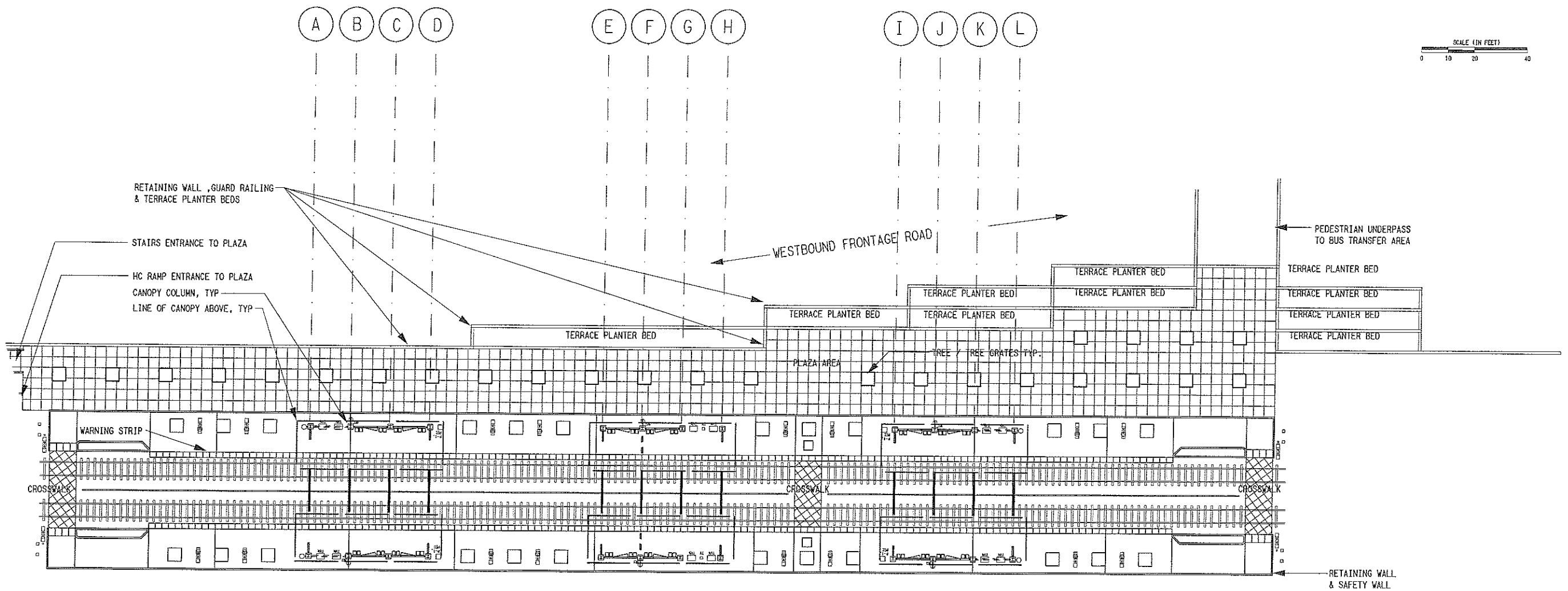
DART PROJECT

SCALE	1"=40'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

REV	AMEND	CR	DATE	DESCRIPTION	BY	CHK	APP



SCALE (IN FEET)
0 10 20 40



WESTBOUND S.H. 114 ENTRANCE RAMP

A PLATFORM LEVEL PLAN
1" = 20' - 0"

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **102** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
UNIVERSITY OF DALLAS STATION
OVERALL PLATFORM PLAN

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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TX Reg No. 13851
ON 09 MAR 07
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WRT Planning & Design
Wallace Roberts & Todd, LLC
1509 Main Street, Suite 1609
Dallas, Texas 75201
214.403.8557 fax 214.323.0506

PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

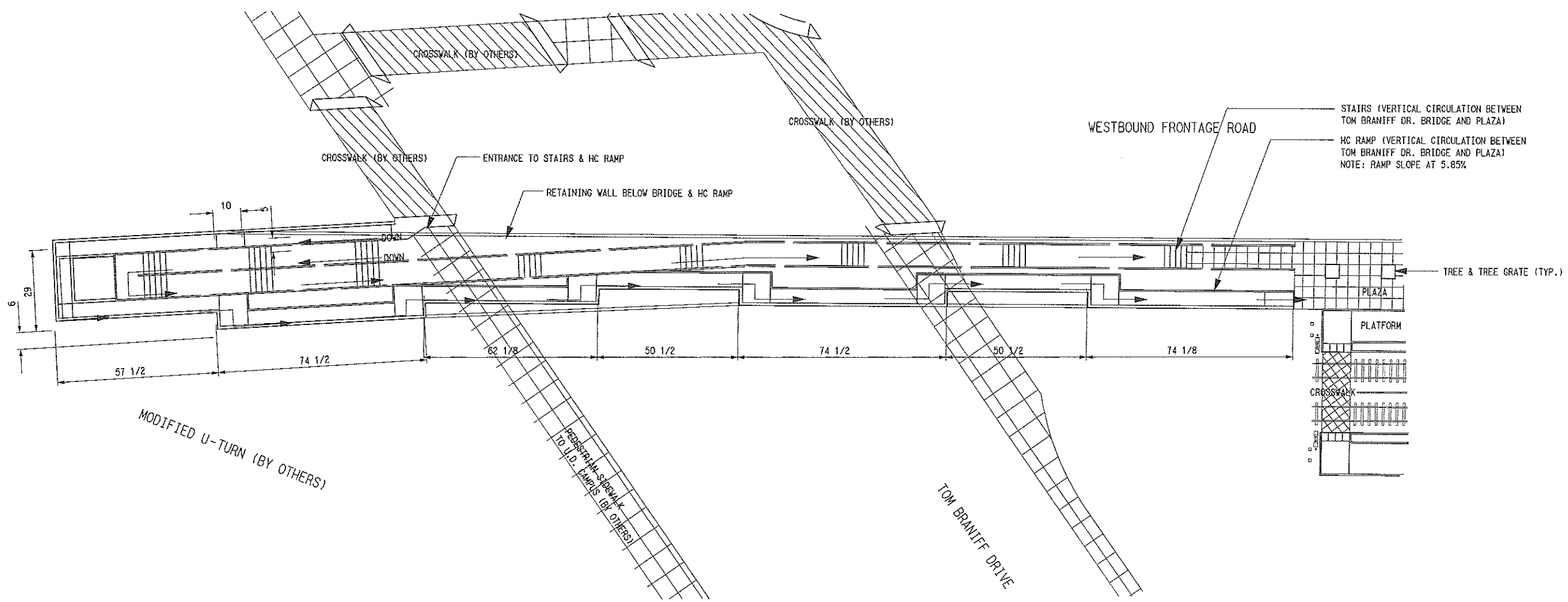
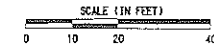
DART PROJECT

SCALE	1"=20'-0"
DRAWN	D.RAINES
DESIGNED	D.RAINES
CHECKED	C.TOMLINSON
IN CHARGE	R.KELLY
DATE	09 MAR 07



CONTRACT	C-93775-1	DWG No.	AC2-6001	REV
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3/26/2007
CPT-DART

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DRAWN: 1/01

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FILED, NO REF FILE

B VERTICAL CIRCULATION PLAN
1"=20'-0"

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **103** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1**

**UNIVERSITY OF DALLAS STATION
VERTICAL CIRCULATION TO PLATFORM**

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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WRI Planning & Design
Wallace Roberts & Todd, LLC
1609 Main Street, Suite 1609
Dallas, Texas 75201
214.403-9557 fax 214.323-0606

PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1"=20'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	A. KELLY
DATE	09 MAR 07

CONTRACT C-93775-1

DWG No. AC2-6002

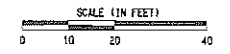
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3/25/07 AM
3/25/2007
CPY-DWT

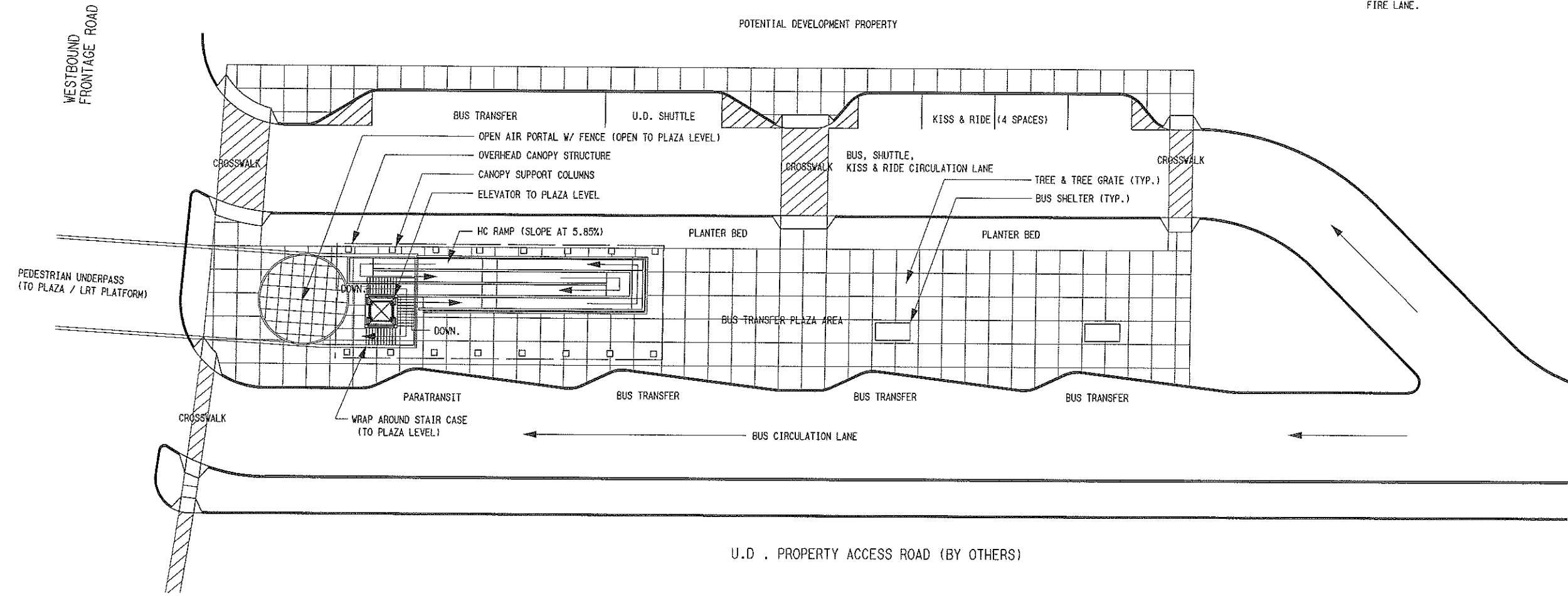
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FILES, NO REF FILE



NOTES:
1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.



C BUS TRANSFER AREA PLAN
1"=20'-0"

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **104** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1

UNIVERSITY OF DALLAS STATION
BUS TRANSFER AREA / VERT. CIRCULATION

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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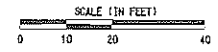
WRT Planning & Design
Wallace Roberts & Todd, LLC
1509 Main Street, Suite 1609
Dallas, Texas 75201
214-403-8557 fax 214-323-0606

PARSONS
PARSONS TRANSPORTATION GROUP, INC.
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

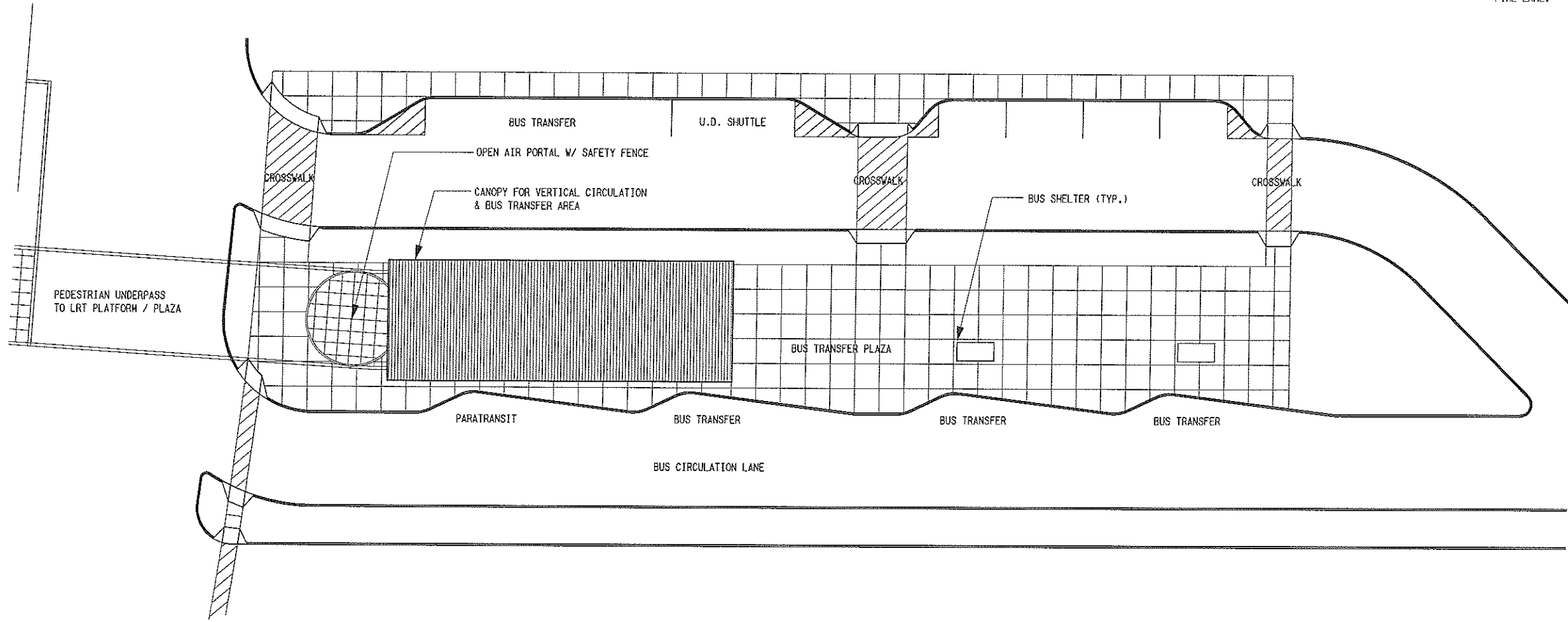
SCALE	1"=20'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	AC2-6003	REV	
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NOTES:

- 1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.



A ROOF PLAN - BUS TRANSFER AREA
1" = 20' - 0"

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **106** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
BUS TRANSFER AREA ROOF PLAN
UNIVERSITY OF DALLAS STATION
BELOW GRADE (PLAZA) SIDE PLATFORM**

SCALE	1" = 20' - 0"
DRAWN	D. RAINEB
DESIGNED	D. RAINEB
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07



CONTRACT **C-93775-1** DWG No. **AC2-6005**

REV

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REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

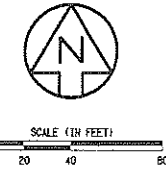
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 214.403.8587 Fax 214.293.0506

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 PARSONS TRANSPORTATION GROUP, INC
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT



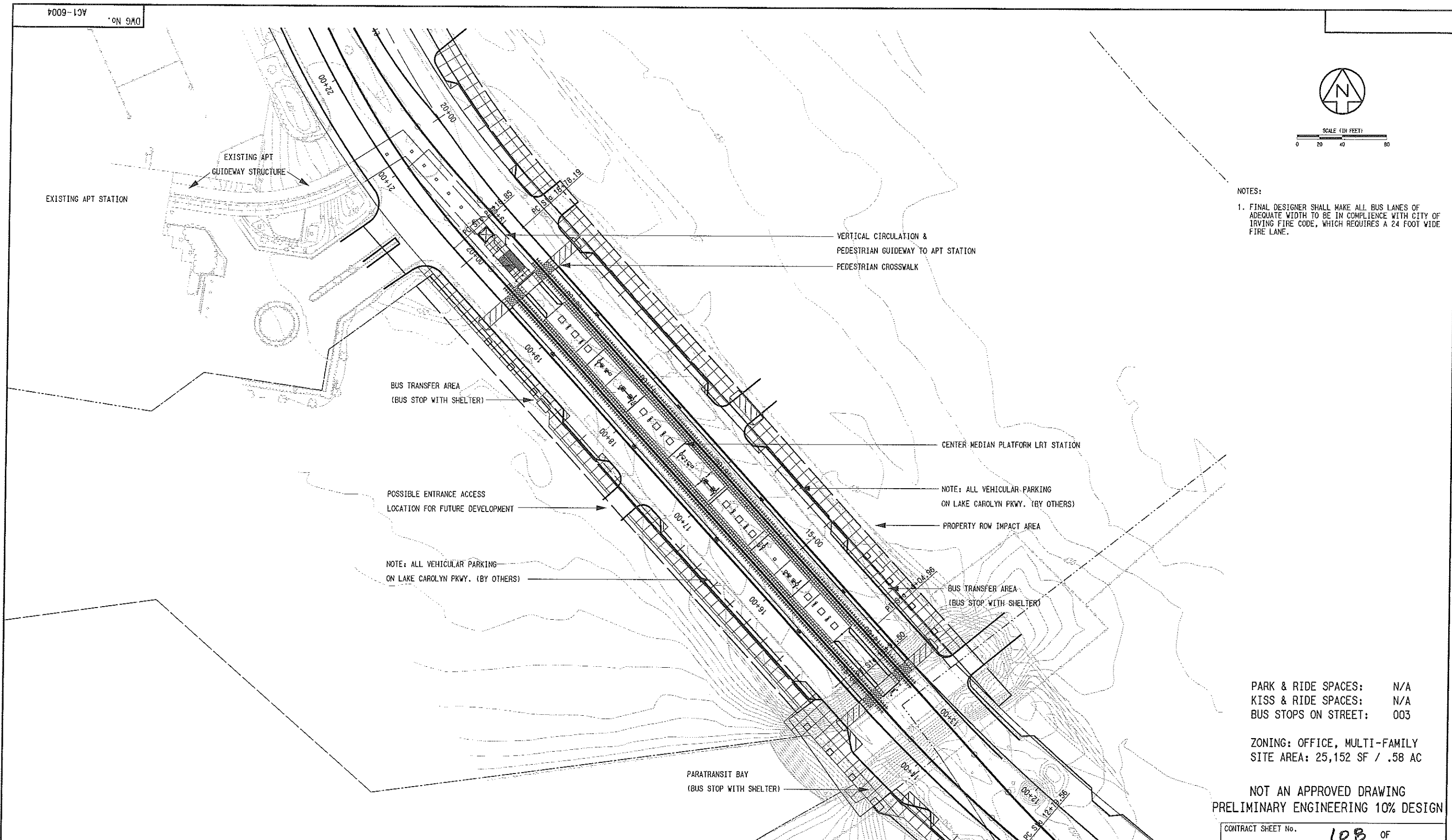
NOTES:
 1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

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 5/26/2007
 GPV-DRT

PF 10/1/2006.00000
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 03/05/08, RAYX\RAYX\1.dwg, 2-30,33,37-61



PARK & RIDE SPACES: N/A
 KISS & RIDE SPACES: N/A
 BUS STOPS ON STREET: 003

ZONING: OFFICE, MULTI-FAMILY
 SITE AREA: 25,152 SF / .58 AC

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **108** OF

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 ARCHITECTURAL SITE PLAN
 LAKE CAROLYN STATION
 (SITE PLAN 1 OF 1)**

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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WVRT Planning & Design

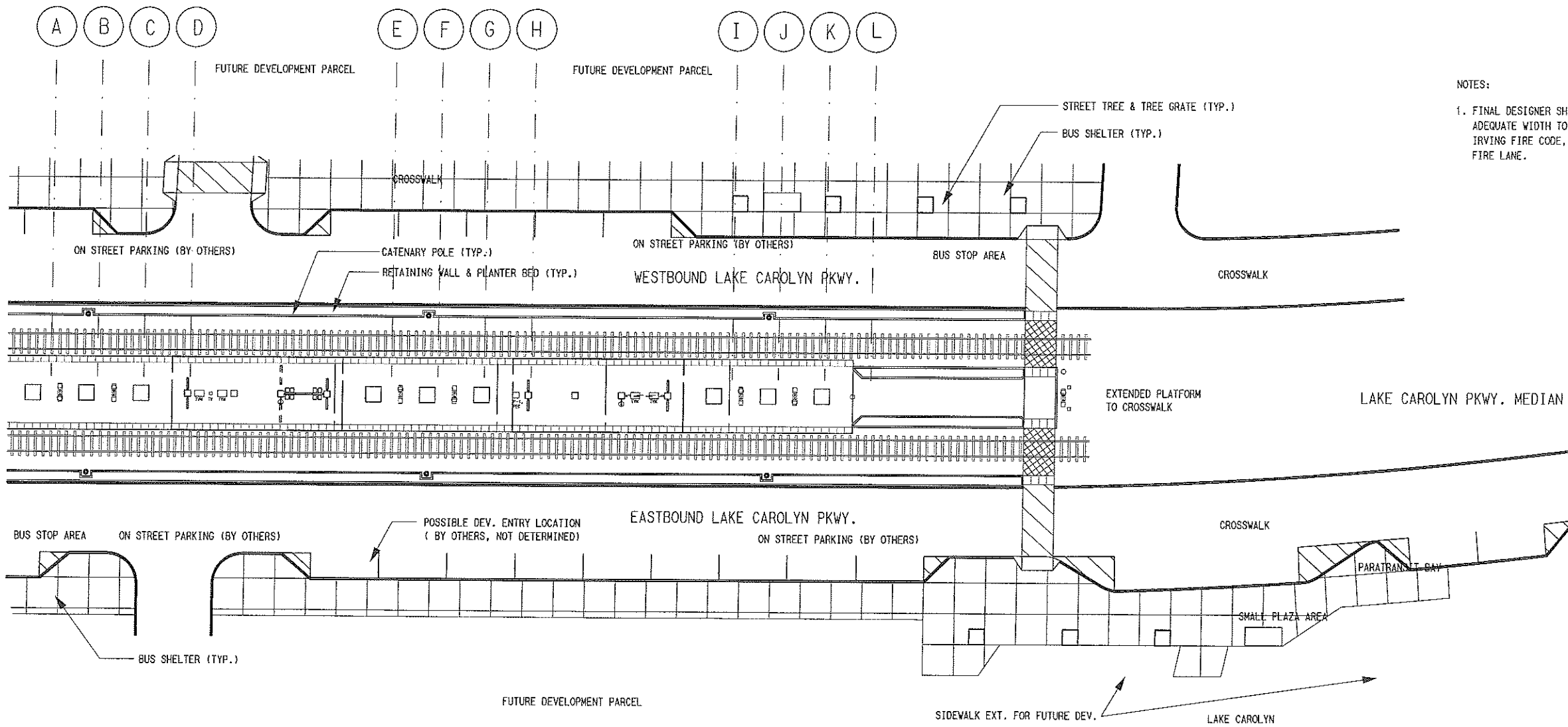
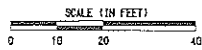
Wallace Roberts & Todd, LLC
 1509 Main Street, Suite 1603
 Dallas, Texas 75201
 214.403-8557 fax 214.223-0506

PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1"=40'-0"
DRAWN	D.RAINES
DESIGNED	D.RAINES
CHECKED	C.TOMLINSON
IN CHARGE	P.KELLY
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. AC1-6004 REV



NOTES:
 1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

A PLATFORM PLAN
 1"=20'-0"

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **109** OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1

LAKE CAROLYN STATION
 OVERALL PLATFORM PLAN

REV	AMEND	OR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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 Dallas, Texas 75201
 214.403.9587 fax 214.323.0506

PARSONS
 PARSONS TRANSPORTATION GROUP, INC
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1"=20'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07



CONTRACT C-93775-1 DWG No. AC2-6007 REV

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MEZZANINE / VERTICAL
CIRCULATION TO APT STATION

A B C D

E F G H

I J K L



SCALE (IN FEET)
0 10 20 40

A ELEVATION - MEDIAN CENTER PLATFORM
1" = 20' - 0"

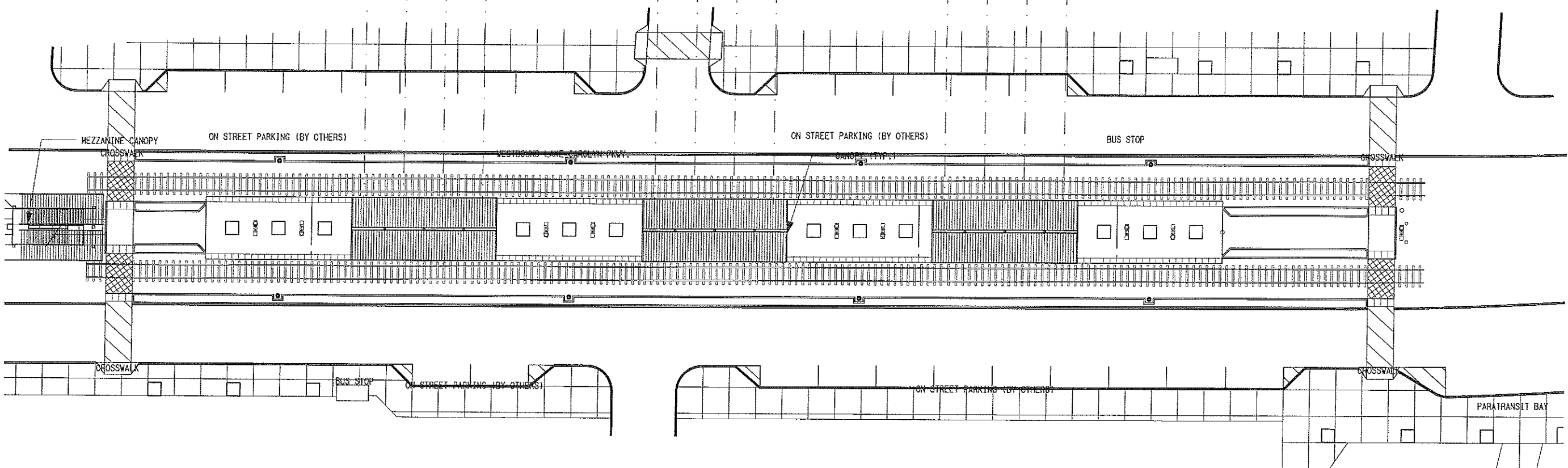
NOTES:

1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

A B C D

E F G H

I J K L



B ROOF PLAN - MEDIAN CENTER PLATFORM
1" = 20' - 0"

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 111 OF

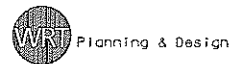
LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
ARCH. ELEVATION & ROOF PLAN
LAKE CAROLYN STATION
MEDIAN CENTER PLATFORM

IN-PROGRESS

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214.403.8557 fax 214.323.0606



PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT



SCALE	1" = 20' - 0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07



CONTRACT
C-93775-1

DWG No.

AC2-6009

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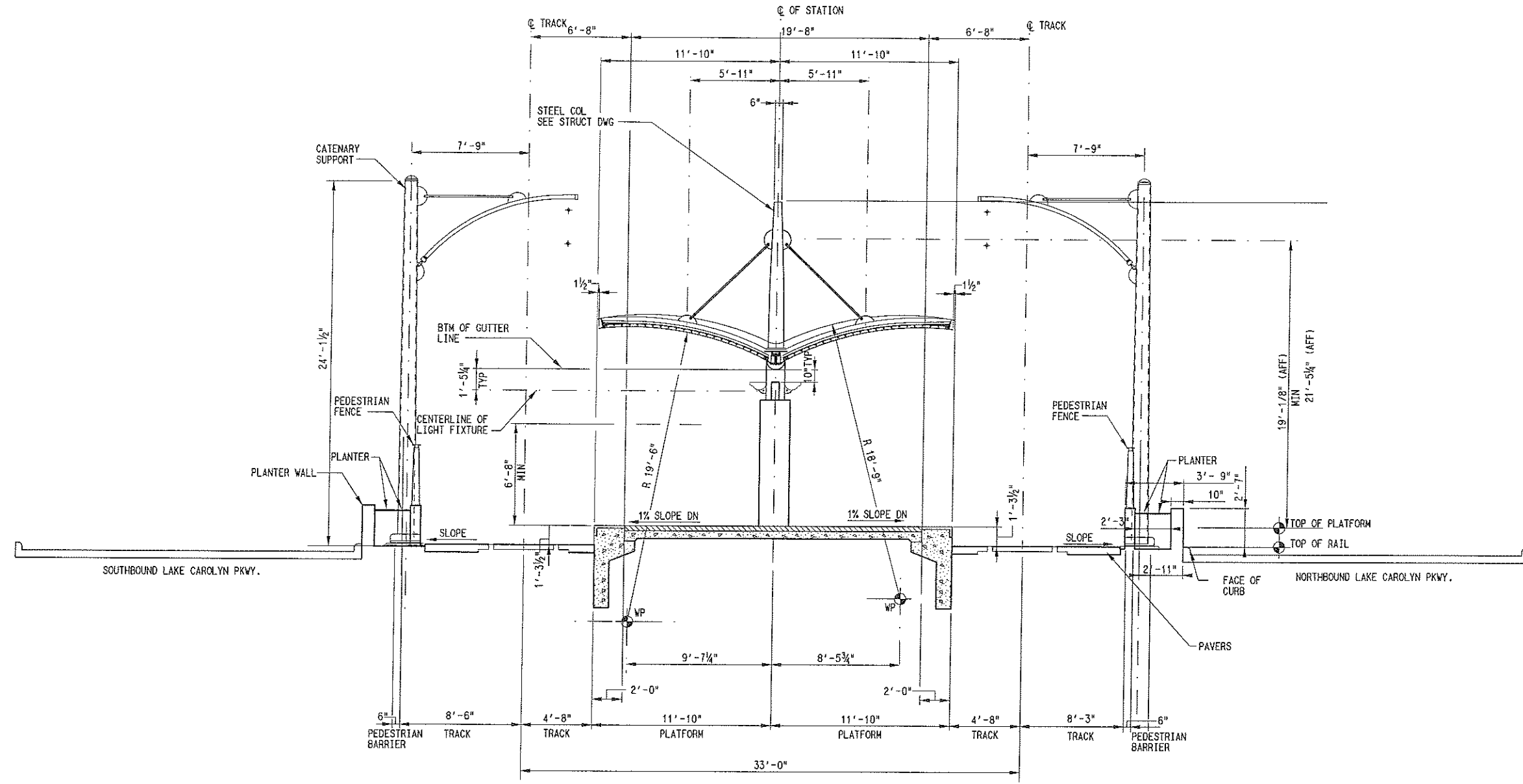
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A ARCHITECTURAL STATION SECTION
 SCALE: 1/4" = 1'-0"

STA 256+71.21 TO STA 260+56.21

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **113** OF

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1/4" = 1'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 ARCHITECTURAL SECTION
 LAKE CAROLYN STATION
 MEDIAN CENTER PLATFORM**

CONTRACT C-93775-1 DWG No. AC2-6011

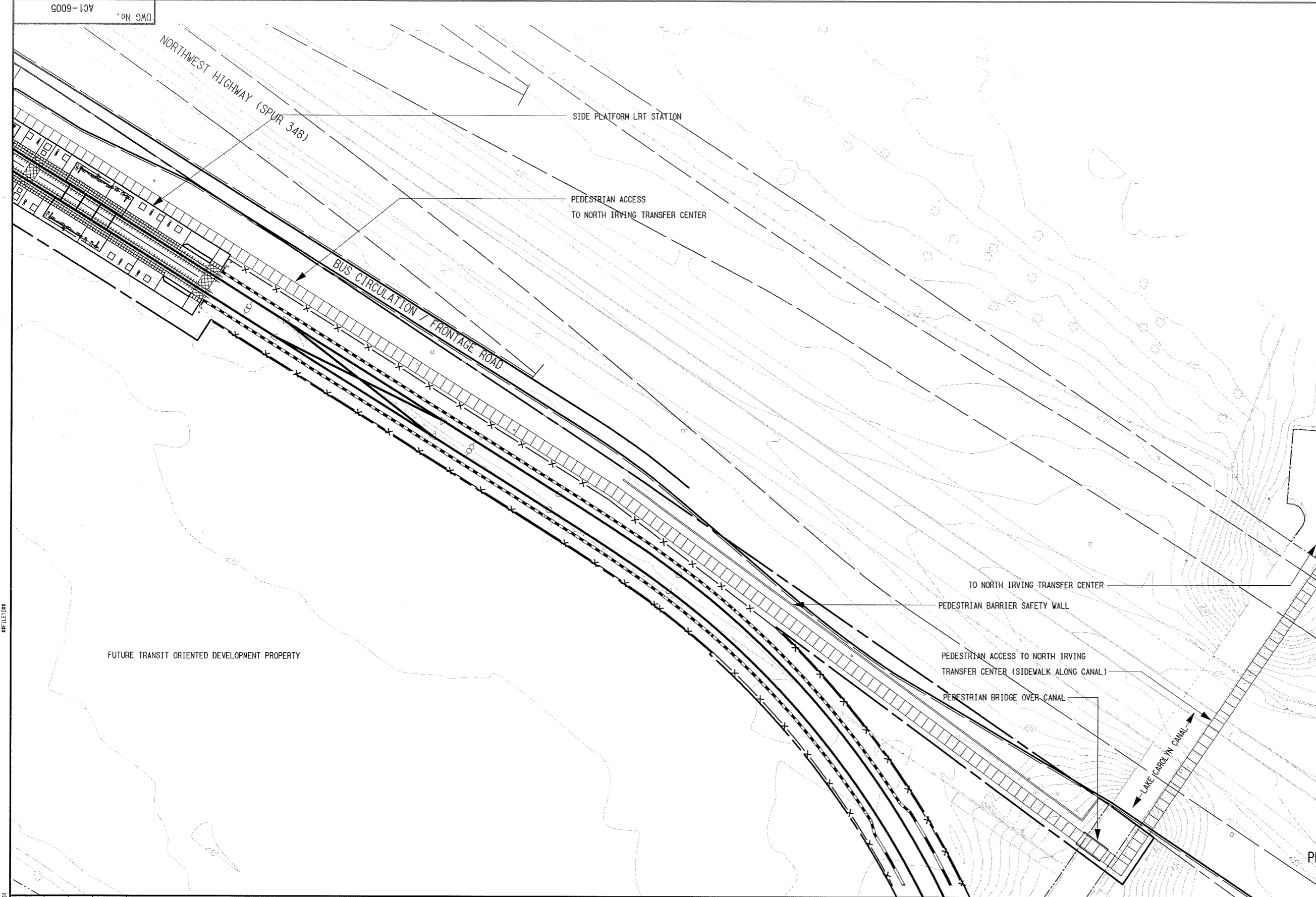
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DWG No. AC1-6005



SCALE (IN FEET)
0 20 40 80

NOTES:
1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.



PARK & RIDE SPACES: 000
KISS & RIDE SPACES: 000
BUS BAYS: 007

ZONING: OFFICE, MULTI-FAMILY
SITE AREA: 256,569 SF / 5.89 AC

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **114** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
ARCHITECTURAL SITE PLAN
NORTH LAS COLINAS STATION
(SITE PLAN 1 OF 3)

CONTRACT C-93775-1 DWG No. AC1-6005

ALIGN, R:\1\X\IR\1\040, 2-5-08-11, 13-18-20-21, 25, 29, 31, 35-36, 49, 52
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ADJUST, R:\1\X\IR\1\040, 2-30, 35, 37-61

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BORDER, R:\1\X\IR\1\040, 1-12, 17-19, 21, 25-58, 60-62
SITE, R:\1\X\IR\1\040, 1-62
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DATE: 4/25/2008 8:16:31 AM
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REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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Dallas, Texas 75201
214-403-9557 Fax 214-323-0606

PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

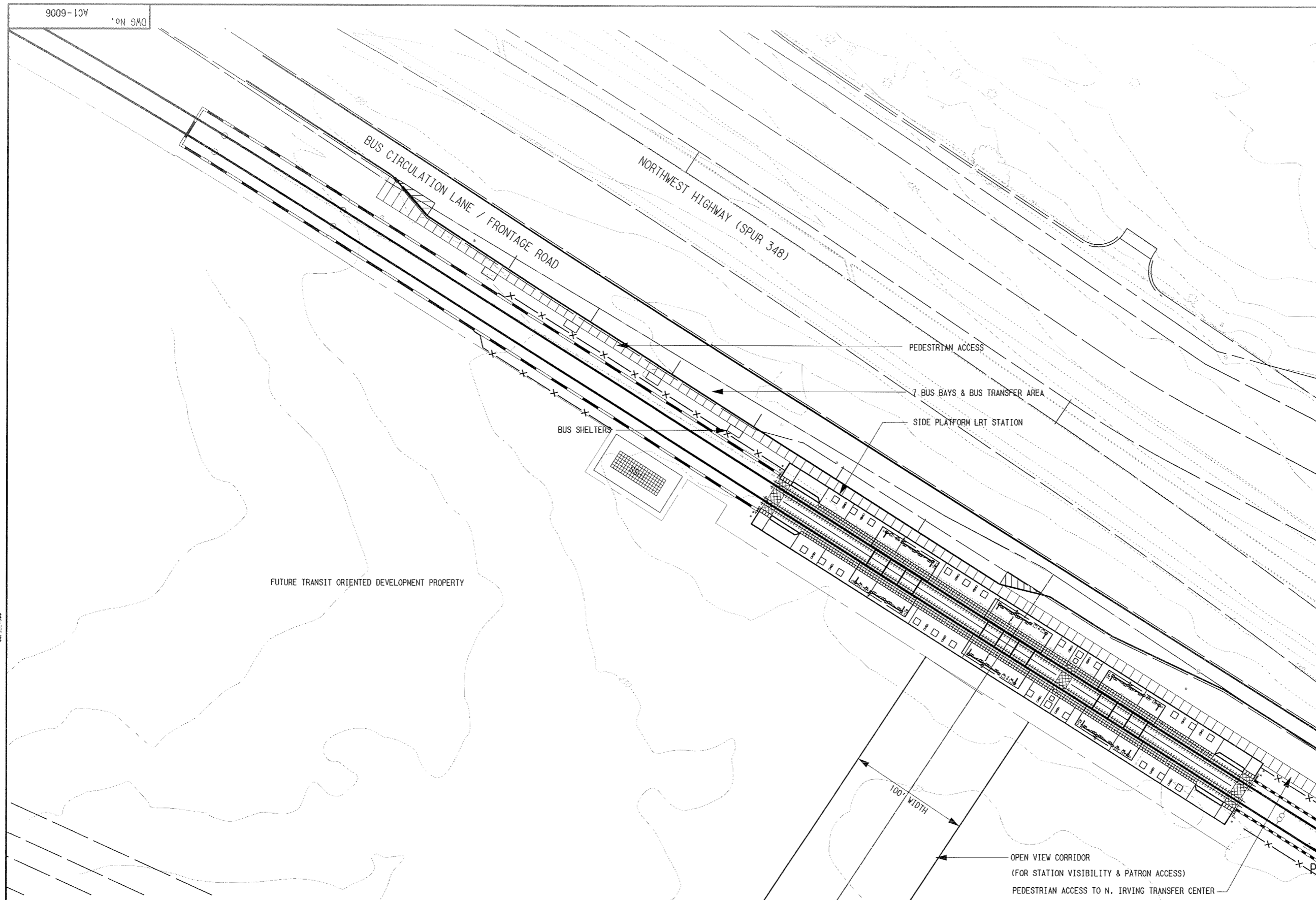
SCALE	1"=40'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	01 MAY 08

CONTRACT C-93775-1 DWG No. AC1-6005



SCALE (IN FEET)
0 20 40 80

NOTES:
1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.



PARK & RIDE SPACES: 000
KISS & RIDE SPACES: 000
BUS BAYS: 007

ZONING: OFFICE, MULTI-FAMILY
SITE AREA: 256,569 SF / 5.89 AC

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 115 OF

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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214.403-8557 Fax 214.323-0606

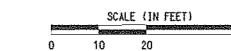
PARSONS
PARSONS TRANSPORTATION GROUP INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1"=40'-0"
DRAWN	D.RAINES
DESIGNED	D.RAINES
CHECKED	C.TOMLINSON
IN CHARGE	R.KELLY
DATE	01 MAY 08

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1
ARCHITECTURAL SITE PLAN
NORTH LAS COLINAS STATION
(SITE PLAN 2 OF 3)**

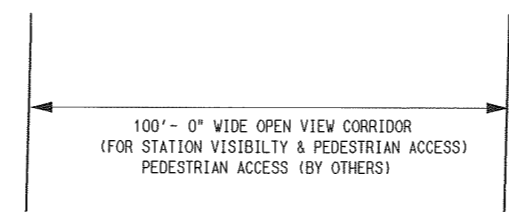
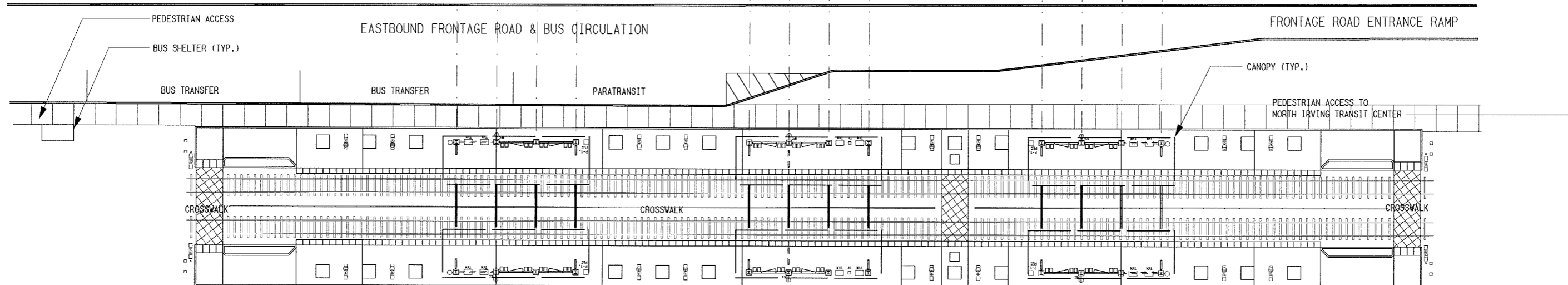
CONTRACT C-93775-1 DWG No. AC1-6006 REV



- NOTES:
- FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

A B C D E F G H I J K L

NORTHWEST HIGHWAY (SPUR 348)



A PLATFORM PLAN
1"=20'-0"

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 117 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-1

NORTH LAS COLINAS STATION
OVERALL PLATFORM PLAN

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5/13/2008
CPI-DART

REF: ROADWORK.DWG
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FILE10, NO REF FILE

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REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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1509 Main Street, Suite 1609
Dallas, Texas 75201
214.403-8557 fax 214.323.0606

PARSONS
PARSONS TRANSPORTATION GROUP INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1"=20'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	A. KELLY
DATE	01 MAY 08

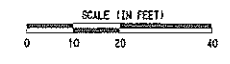
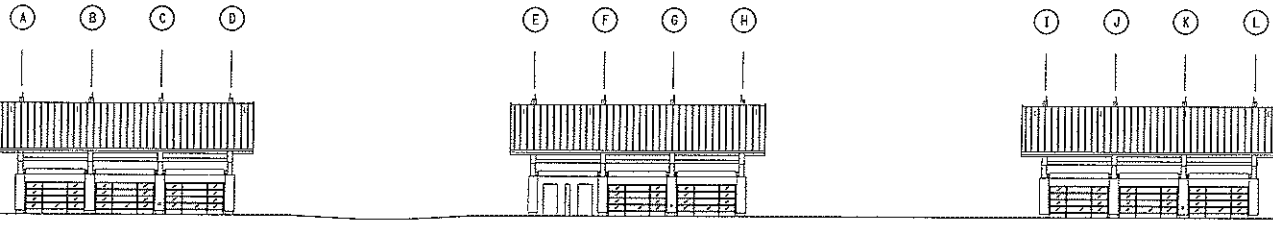
CONTRACT	C-93775-1	DWG No.	AC2-6012	REV	C
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 3/26/2007
 PPA-DRT

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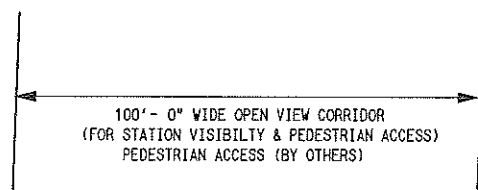
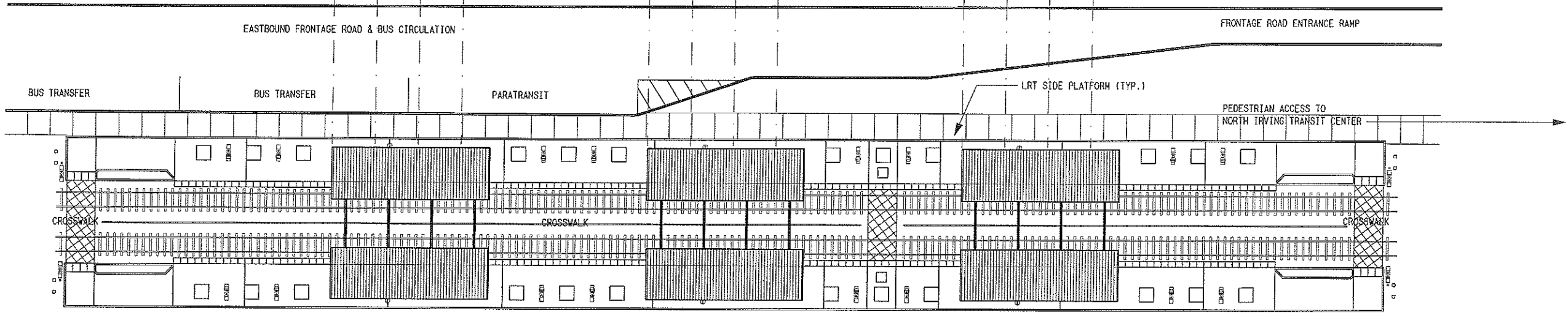


NOTES:
 1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

A EAST ELEVATION - SIDE PLATFORM
 1"=20'-0"

NORTHWEST HIGHWAY (SPUR 348)

A B C D E F G H I J K L



B ROOF PLAN - AT GRADE SIDE PLATFORM
 1"=20'-0"

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **118** OF

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 ARCH. ELEVATION & ROOF PLAN
 NORTH LAS COLINAS STATION
 AT GRADE SIDE PLATFORM**

IN-PROGRESS

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF:
 C. TOMLINSON, A.E.A.
 TX Reg No. 13551
 ON 09 MAR 07

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WRT Planning & Design

Wallace Roberts & Todd, LLC
 1509 Main Street, Suite 1603
 Dallas, TEXAS 75201
 214-403-5557 Fax 214-323-0606

PARSONS

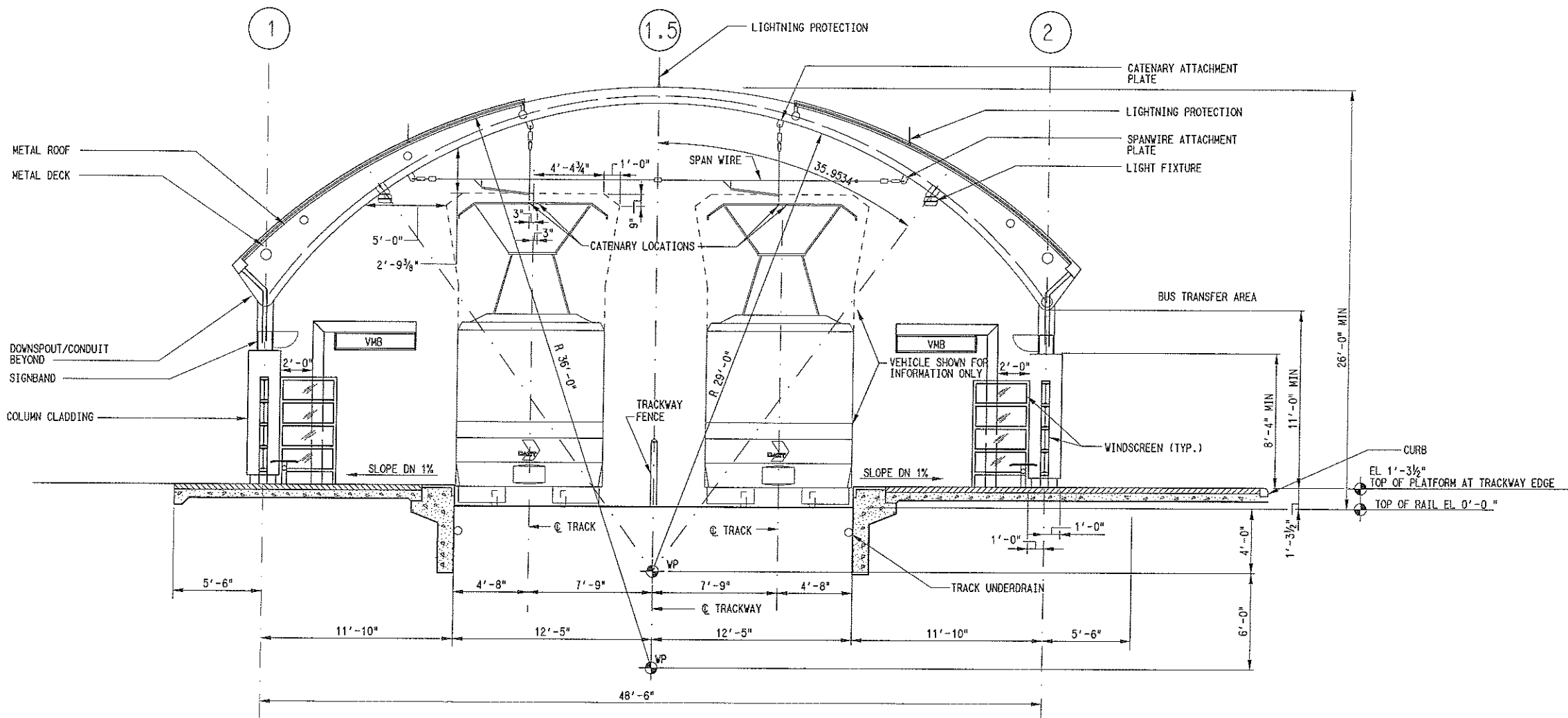
PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1"=20'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	AC2-6013	REV	
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REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP



(A) ARCHITECTURAL SECTION

SCALE: 1/4" = 1'-0"

STA 292+56.04 TO STA 296+41.04

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 3/26/2017
 CPV-DRT

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 TX Reg No. 13851
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Wallace Roberts & Todd, LLC
 1509 Main Street, Suite 1609
 Dallas, Texas 75201
 214.405-8557 Fax 214.323.0506



DART PROJECT



SCALE	1/4" = 1'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **119** OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-1
 ARCHITECTURAL SECTION
 NORTH LAS COLINAS STATION
 AT GRADE SIDE PLATFORM

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

CONTRACT C-93775-1 DWG No. AC2-6014

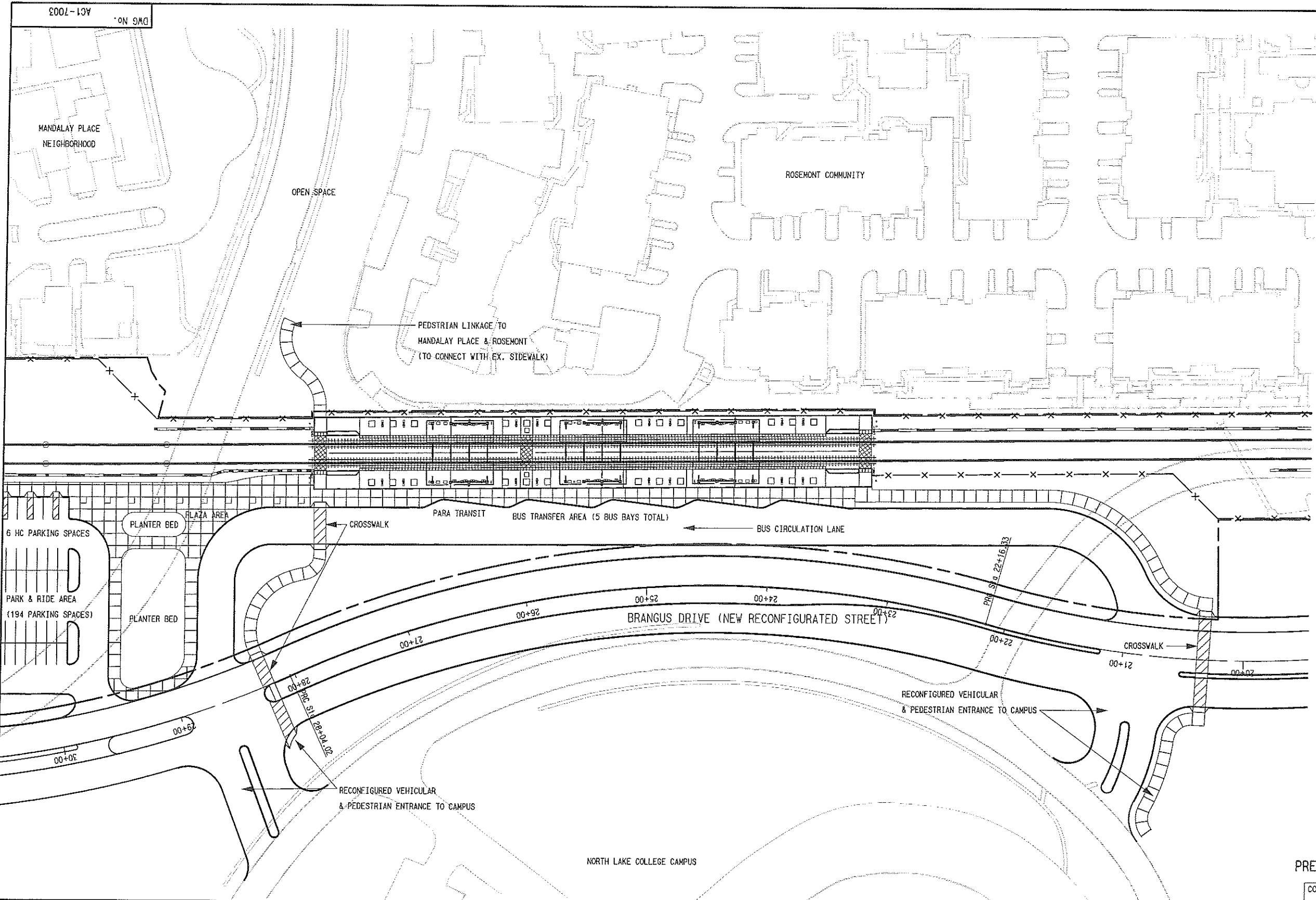
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VALUATION: 0.00000

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SCALE (IN FEET)
0 20 40 60

NOTES:
1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

PARK & RIDE SPACES: 194
KISS & RIDE SPACES: 4
BUS BAYS: 5

ZONING: INSTITUTIONAL (DCCCD)
SITE AREA: 257,296 SF / 5.91 AC

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 125 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
ARCHITECTURAL SITE PLAN
NORTH LAKE COLLEGE STATION
(SITE PLAN, SHEET 1 OF 2)

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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TX Reg No. 13651
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WRP Planning & Design
Wallace Roberts & Todd, LLC
1509 Main Street, Suite 1609
Dallas, Texas 75201
214.403-8597 fax 214.323-0606

PARSONS
PARSONS TRANSPORTATION GROUP, INC.
19770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1"=40'-0"
DRAWN	D. RAHER
DESIGNED	D. RAHER
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

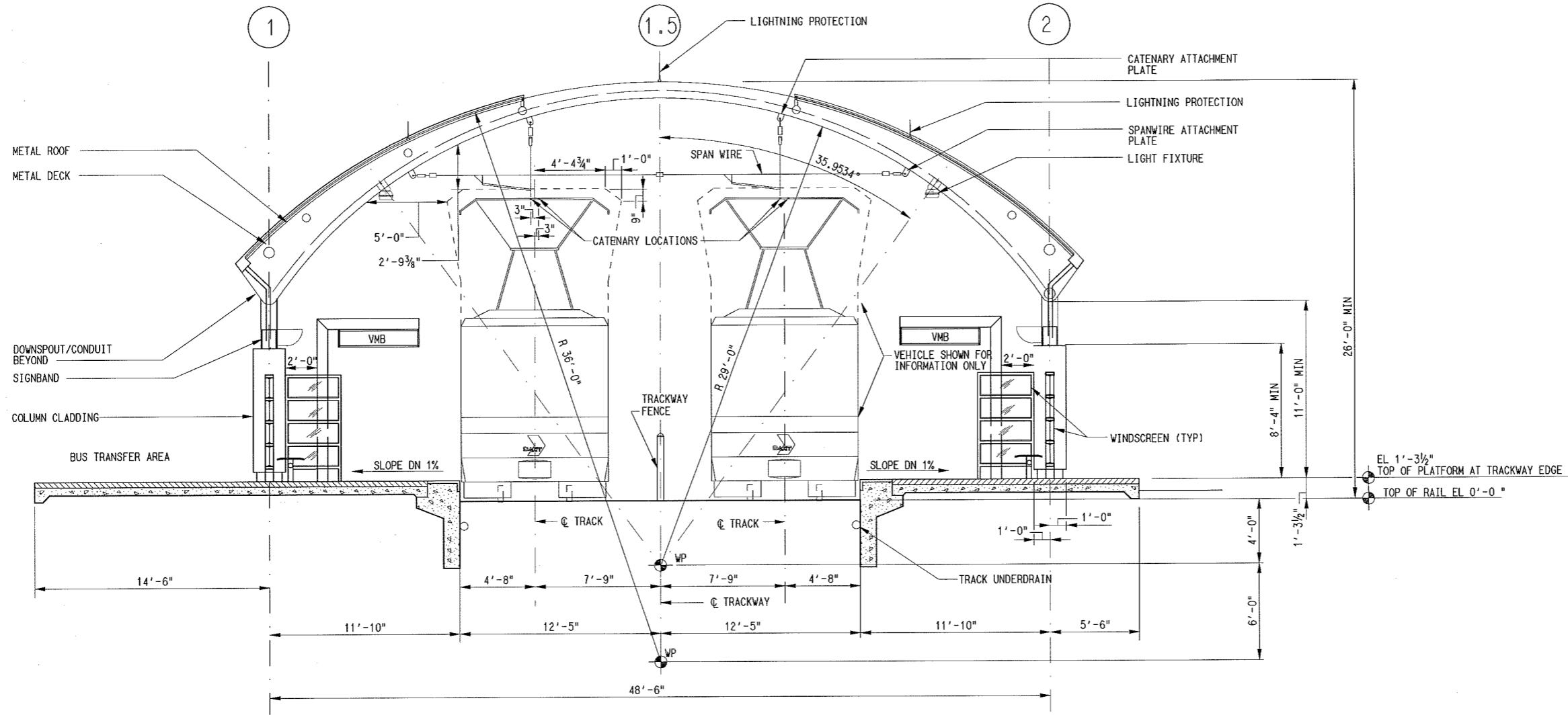
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A ARCHITECTURAL STATION SECTION
SCALE: 1/4" = 1'-0"

STA 400+37.55 TO STA 404+98.05

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **129** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
ARCHITECTURAL SECTION
NORTH LAKE COLLEGE STATION
AT GRADE SIDE PLATFORM**

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS
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TX Reg No. 13951
ON 01 MAY 08
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WRT Planning & Design
Wallace Roberts & Todd, LLC
1309 Main Street, Suite 1207
Dallas, Texas 75201
214.403-8557 fax 214.323.0606

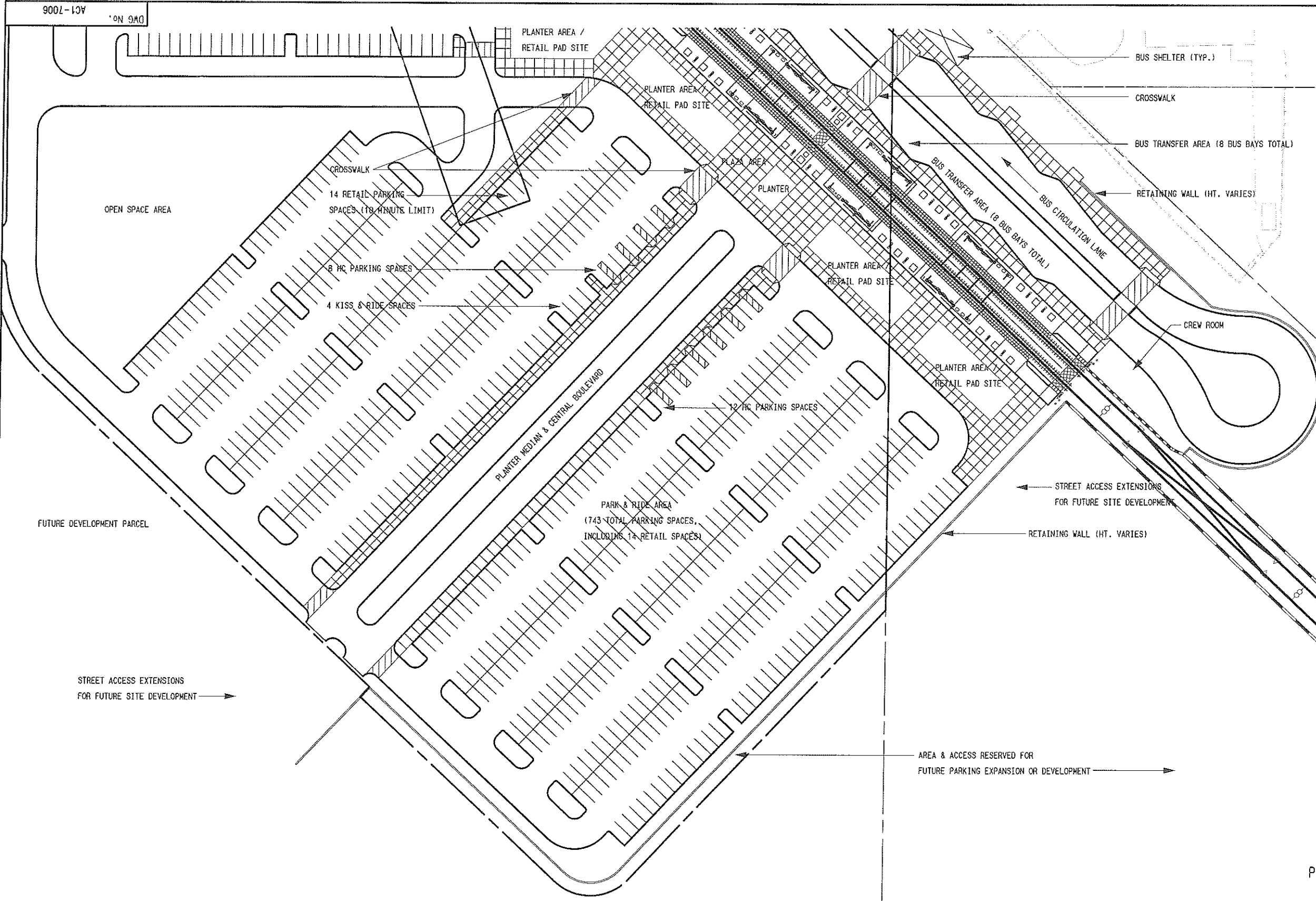
PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT
DART

SCALE: 1/4" = 1'-0"
DRAWN: D. RAINES
DESIGNED: D. RAINES
CHECKED: C. TOMLINSON
IN CHARGE: R. KELLY
DATE: 01 MAY 08



CONTRACT C-93775-1 DWG No. AC2-7006 REV



NOTES:
 1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.

PARK & RIDE SPACES: 743
 KISS & RIDE SPACES: 4
 BUS BAYS: 8

ZONING: D/FW AIRPORT PROPERTY
 SITE AREA: 416,015 SF / 9.55 AC

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **131** OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-2
 ARCHITECTURAL SITE PLAN
 BELT LINE STATION
 (SITE PLAN, SHEET 2 OF 2)

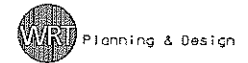
REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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C. TOMLINSON, A.I.A.
 TX Reg No. 13851
 ON 09 MAR 07

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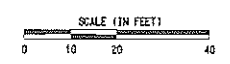
Wallace Roberts & Todd, LLC
 1509 Main Street, Suite 1609
 Dallas, Texas 75201
 214-403-8557 Fax 214-323-0505

PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

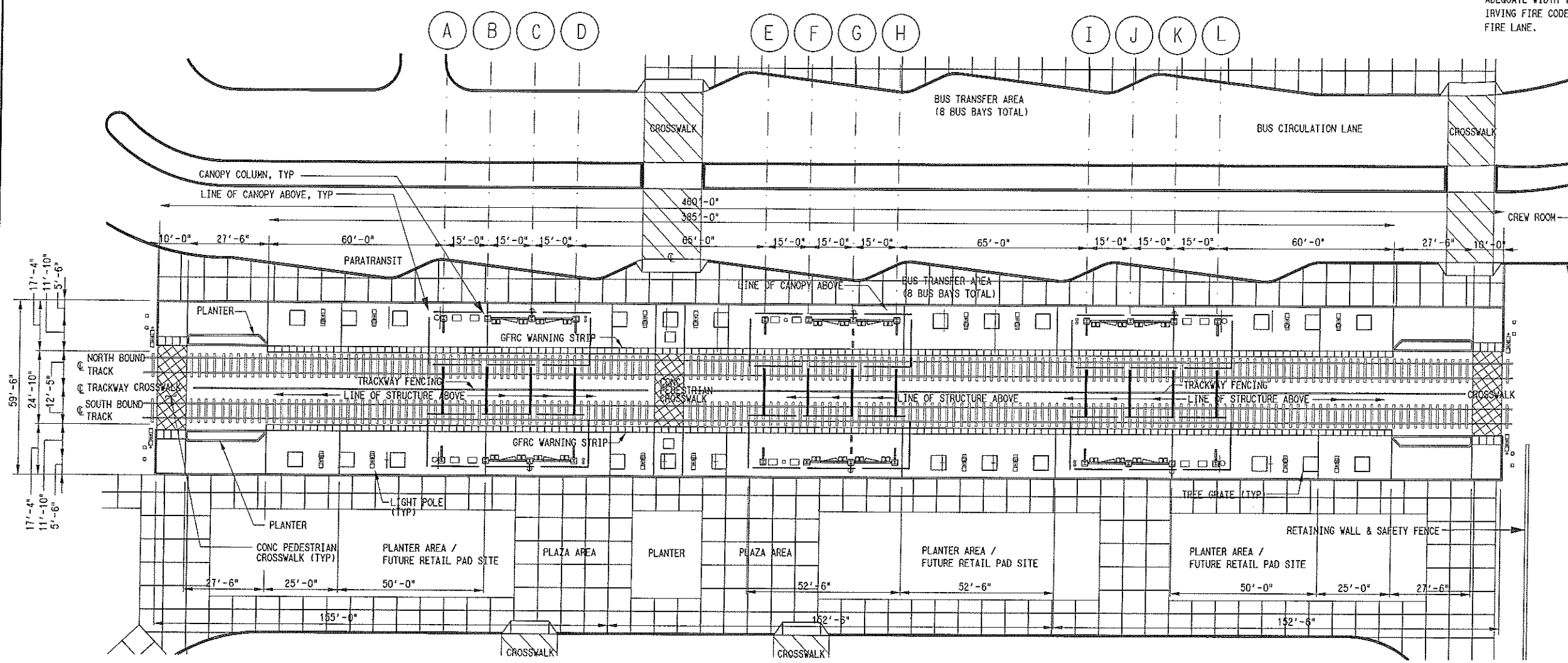
DART PROJECT

SCALE	1"=40'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	AC1-7006	REV
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NOTES:
 1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.



A PLATFORM LEVEL PLAN
 1" = 20'-0"

NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **132** OF

LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-2

BELT LINE STATION
 OVERALL PLATFORM PLAN

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IN-PROGRESS

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 TX Reg No. 13851
 ON 03 MAR 07

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WRT Planning & Design
 Wallace Roberts & Todd, LLC
 1509 Main Street, Suite 1509
 Dallas, Texas 75201
 214.403-8557 Fax 214.323.0606

PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1" = 20'-0"
DRAWN	D. RAINES
DESIGNED	D. RAINES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

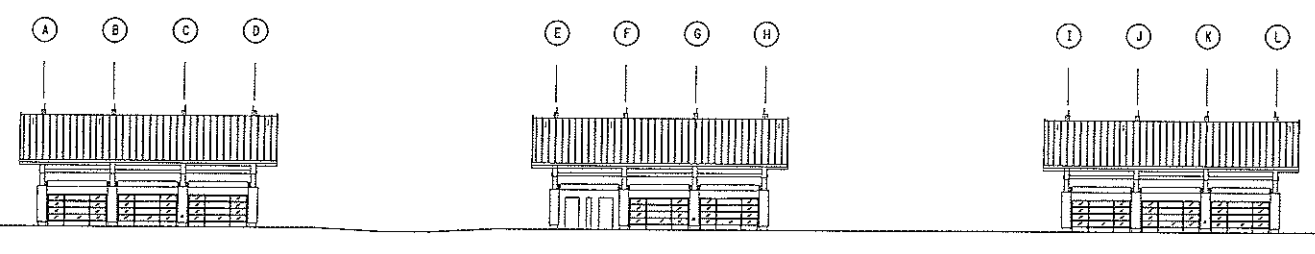
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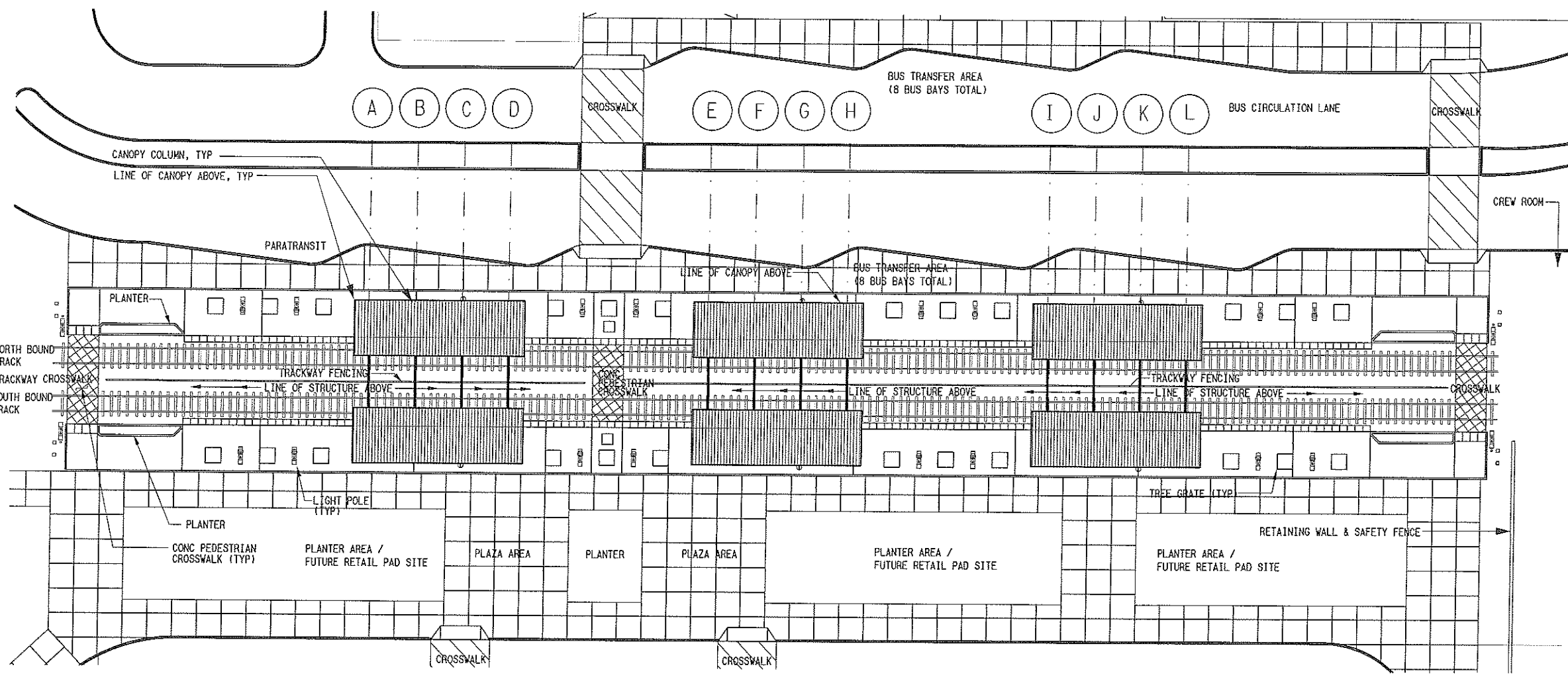
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B ROOF PLAN - AT GRADE SIDE PLATFORM
1"=20'-0"

- NOTES:
1. FINAL DESIGNER SHALL MAKE ALL BUS LANES OF ADEQUATE WIDTH TO BE IN COMPLIANCE WITH CITY OF IRVING FIRE CODE, WHICH REQUIRES A 24 FOOT WIDE FIRE LANE.



B ROOF PLAN - AT GRADE SIDE PLATFORM
1"=20'-0"

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 133 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
ARCH. ELEVATION & ROOF PLAN
BELT LINE STATION
AT GRADE SIDE PLATFORM

REV	AMEND	OR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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C. TOMLINSON, J.I.A.
TX Reg No. 13951
ON 09 MAR 07

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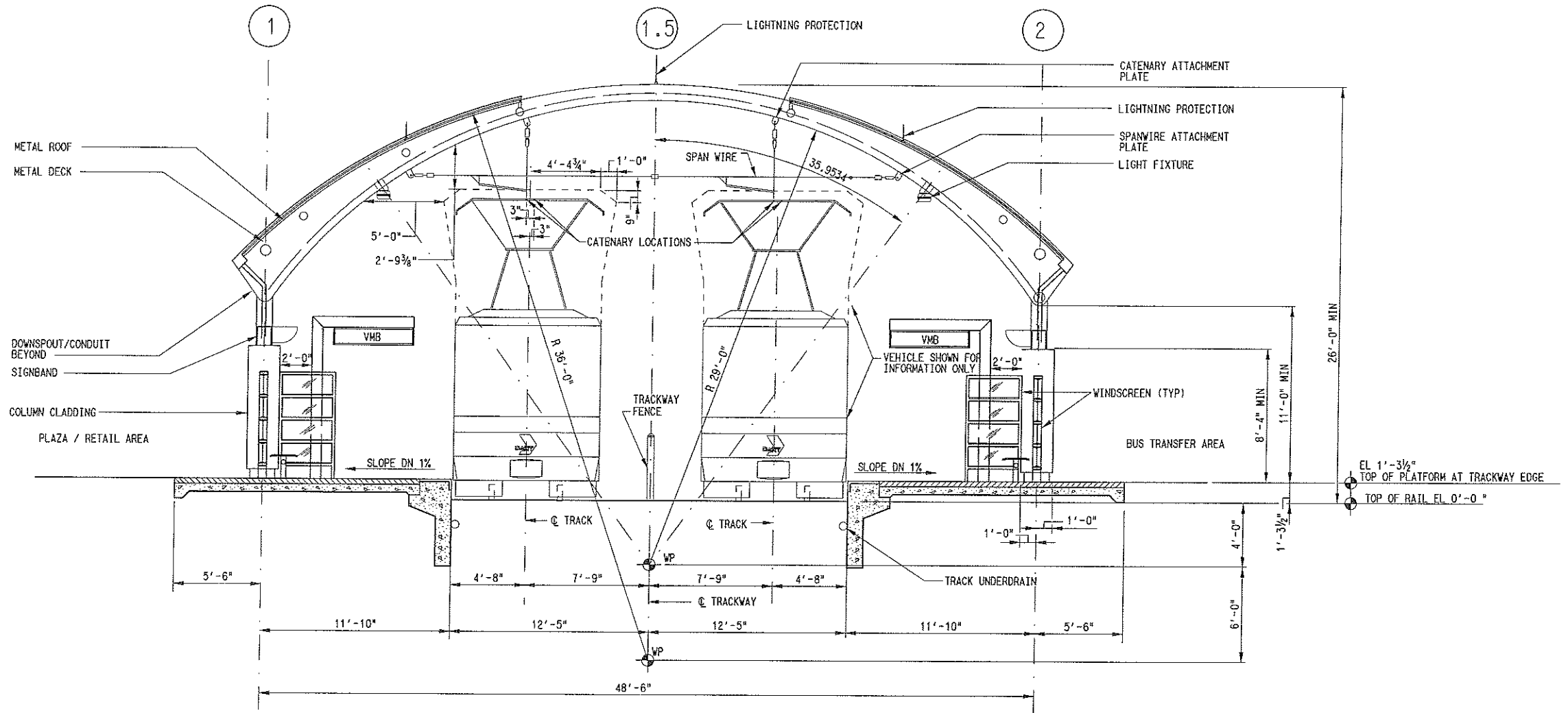
Wallace Roberts & Todd, LLC
1509 Main Street, Suite 1609
Dallas, Texas 75201
214.403.8557 fax 214.323.0506

PARSONS
PARSONS TRANSPORTATION GROUP, INC
15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	1"=20'-0"
DRAWN	D. RAJES
DESIGNED	D. RAJES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

CONTRACT C-93775-1 DWG No. AC2-7008



A ARCHITECTURAL STATION SECTION
SCALE: 1/4" = 1'-0"

STA 483+42.45 TO STA 487+27.45

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **134** OF

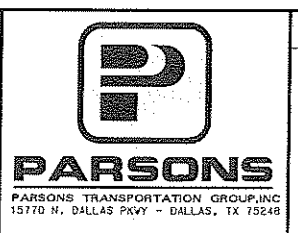
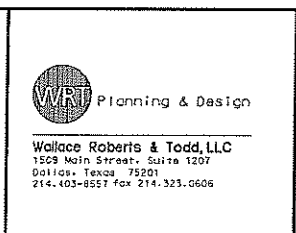
**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
ARCHITECTURAL SECTION
BELT LINE STATION
AT GRADE SIDE PLATFORM**

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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 C. TOMLINSON, A.I.A.
 TX Reg No. 13851
 ON 09 MAR 07

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SCALE	1/4" = 1'-0"
DRAWN	D. RAJES
DESIGNED	D. RAJES
CHECKED	C. TOMLINSON
IN CHARGE	R. KELLY
DATE	09 MAR 07

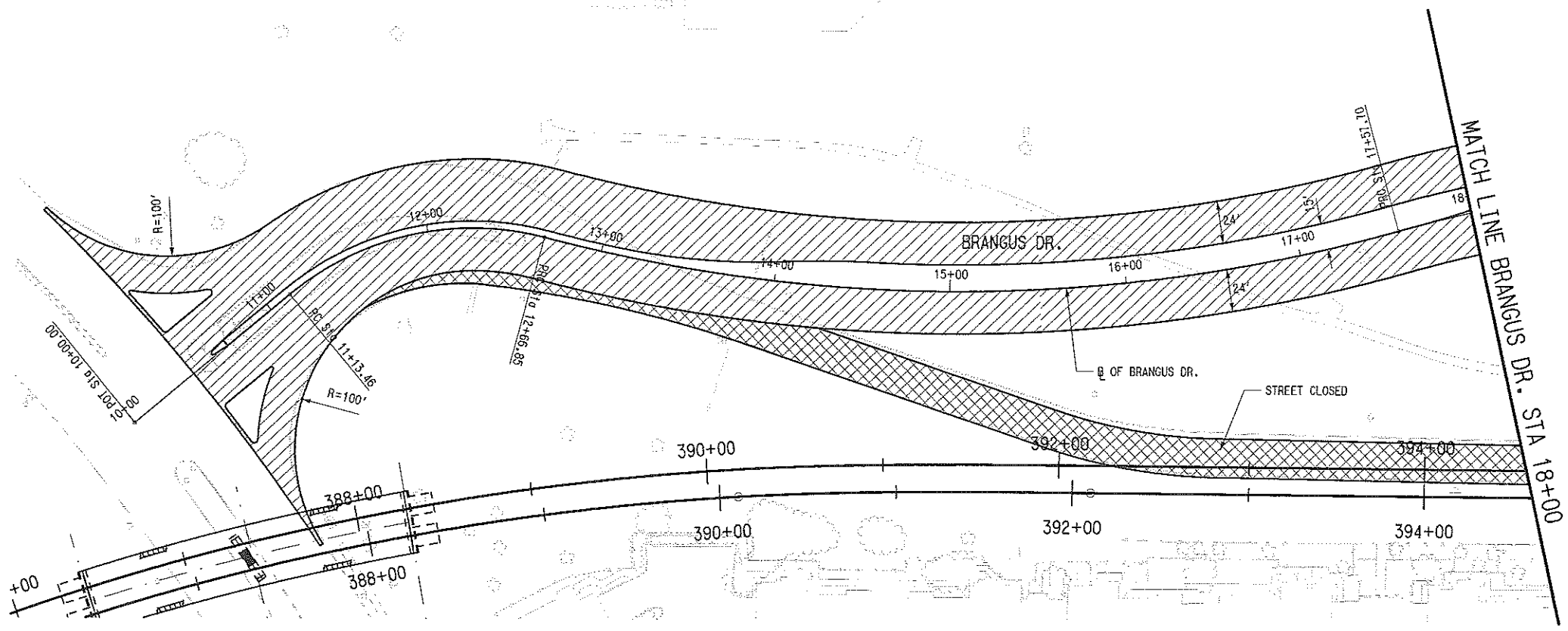
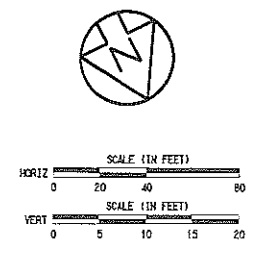
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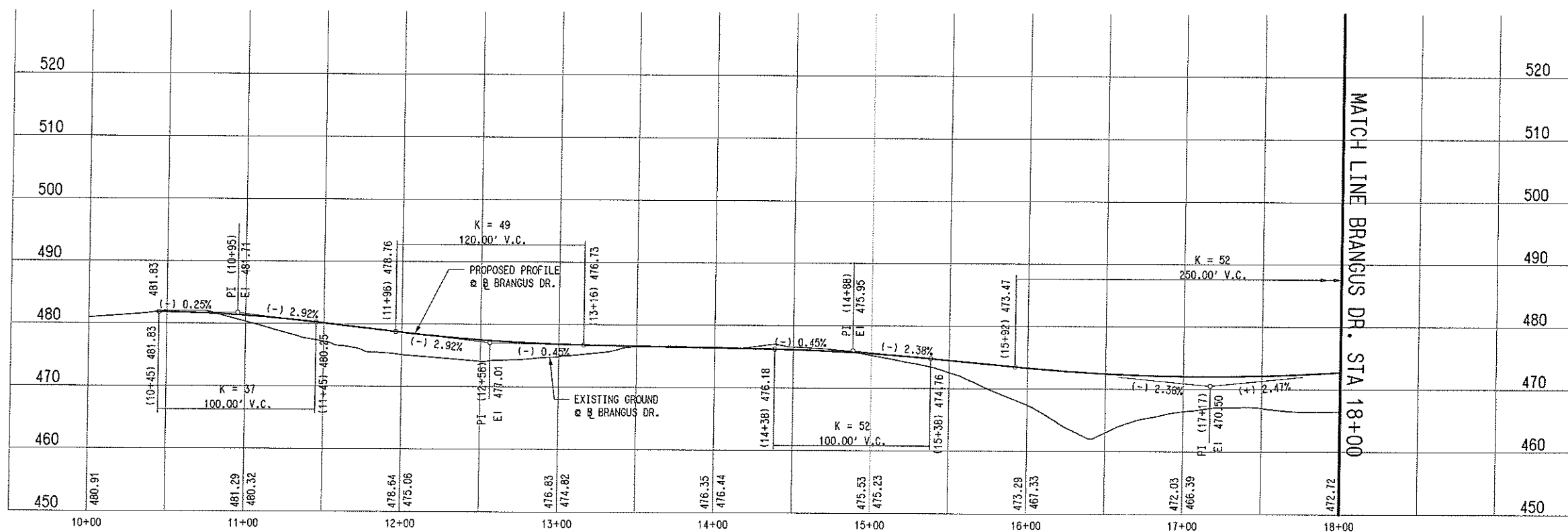
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FILED, NO REF FILE
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LEGEND:
[Diagonal Hatching] PROPOSED STREET CONSTRUCTION
[Cross-hatching] PROPOSED STREET CLOSING



NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **135** OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2
STREET & ALLEY MODIFICATIONS
BRANGUS DR.
SHEET 1 OF 4

IN-PROGRESS

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF:
VENOSNG WANG, P.E. No. 84034
ON 09 MAR 07
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DART PROJECT



SCALE	AS SHOWN
DRAWN	V. WANG
DESIGNED	V. WANG
CHECKED	A. KELLY
IN CHARGE	R. KELLY
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	CC6-7005	REV	
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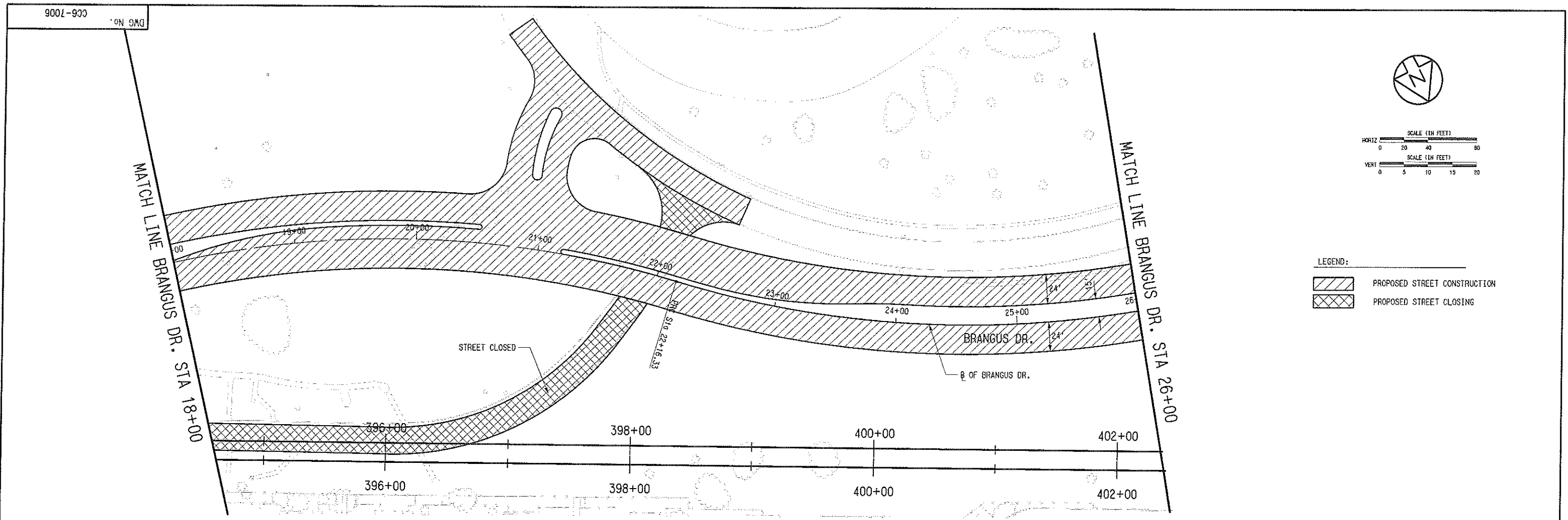
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3/26/2007
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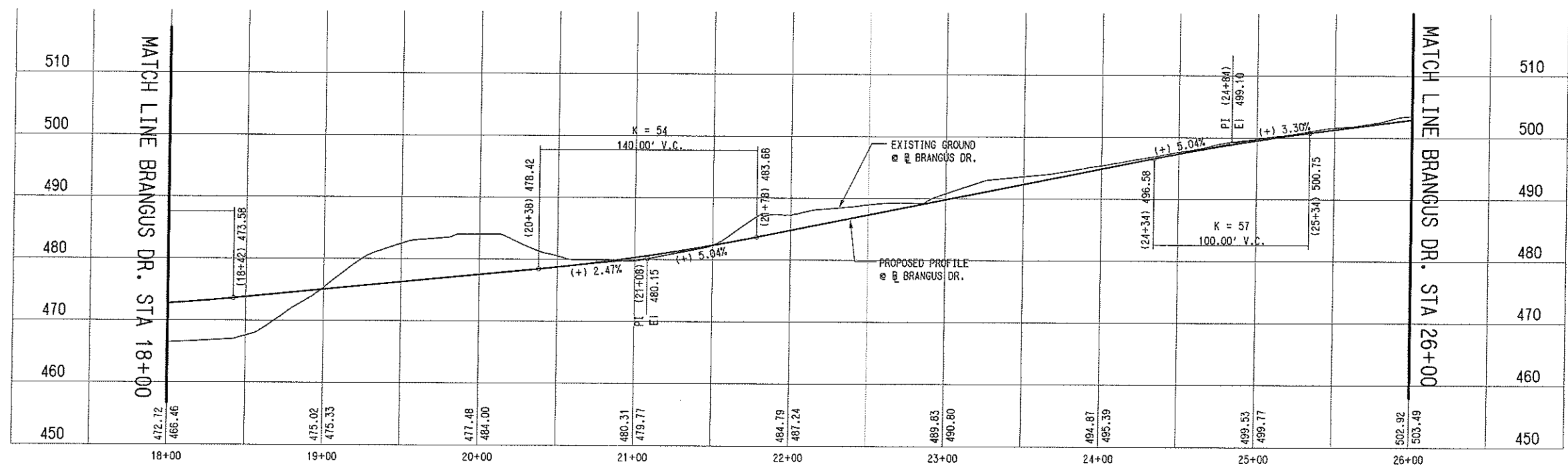
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LEGEND:
 PROPOSED STREET CONSTRUCTION
 PROPOSED STREET CLOSING



NOT AN APPROVED DRAWING
 PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **136** OF

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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 YENDONG WANG, P.E., No. 84034
 ON 09 MAR 07
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PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

SCALE	AS SHOWN
DRAWN	V. YANG
DESIGNED	V. YANG
CHECKED	R. KELLY
IN CHARGE	R. KELLY
DATE	09 MAR 07

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-2
 STREET & ALLEY MODIFICATIONS
 BRANGUS DR.
 SHEET 2 OF 4**

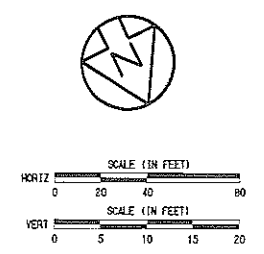
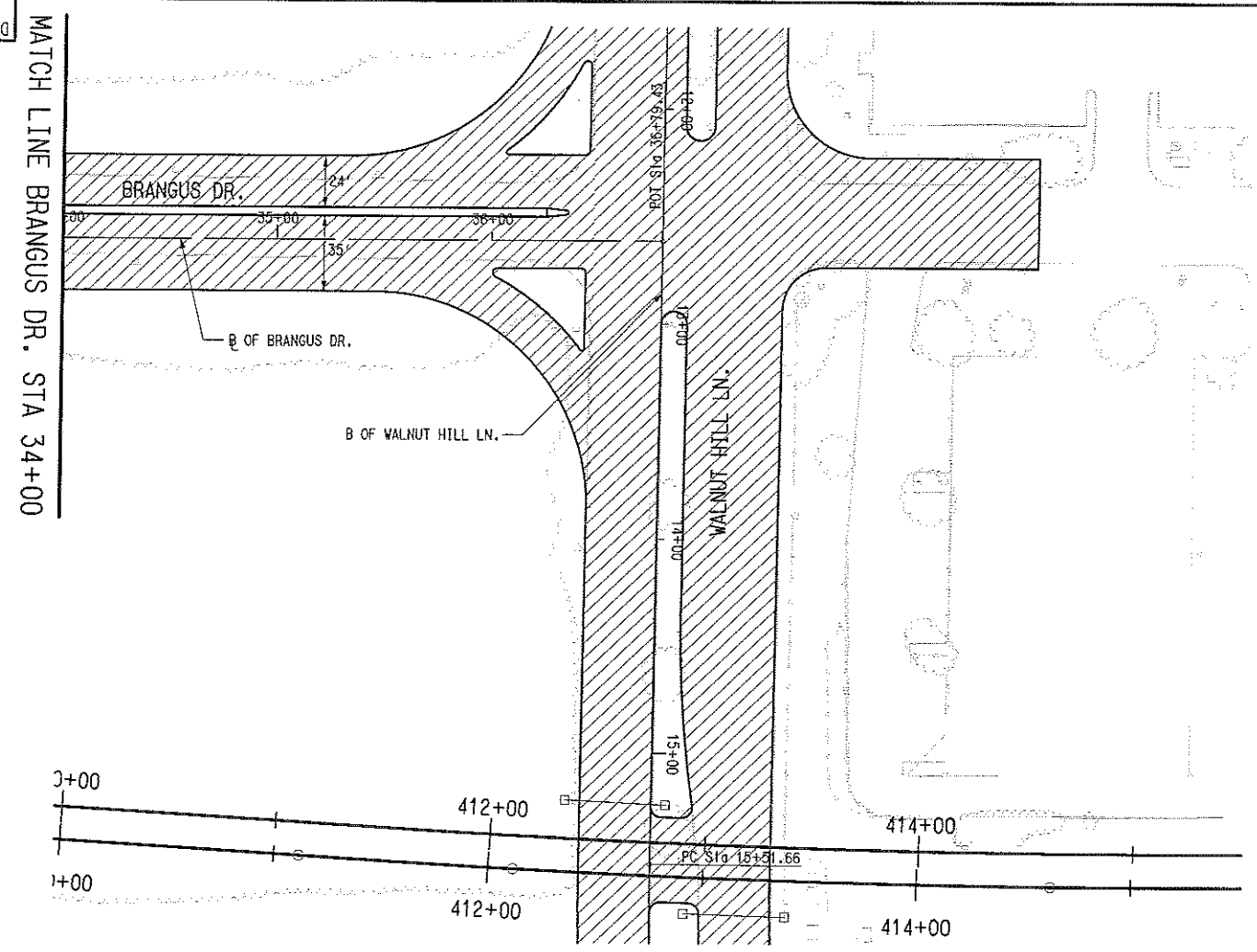
CONTRACT	C-93775-1	DWG No.	CC6-7006	REV	
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3/26/07
DPP-DART

TOPSO, R:\1\2\A\BRANGUS\1-31\116100.DWG, 2-5-08-11-13-10-20-21-25-29-31-35-36-40-52
TOPSO, R:\1\2\A\BRANGUS\1-31\116100.DWG, 2-5-08-11-13-10-20-21-25-29-31-35-36-40-52
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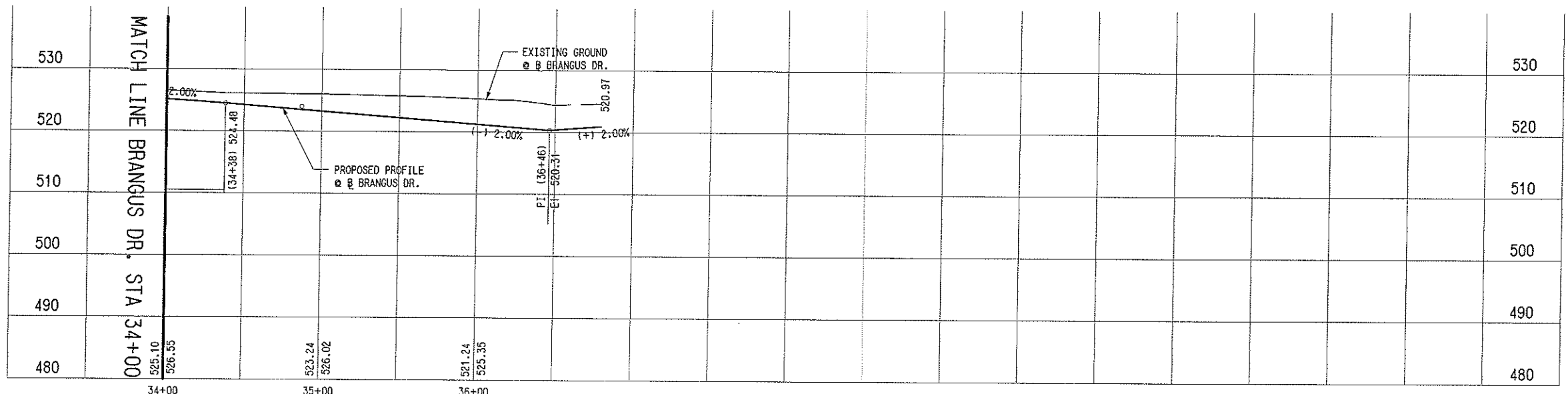
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SITE, R:\1\2\A\BRANGUS\1-31\116100.DWG, 1-33-37-52-62

8007-930
DWG No. 930



LEGEND:
 PROPOSED STREET CONSTRUCTION
 PROPOSED STREET CLOSING

NOTE: SEE CC6-7009 & 7010 FOR WALNUT HILL LN. DETAIL



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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **138** OF

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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PARSONS
 PARSONS TRANSPORTATION GROUP, INC.
 15770 N. DALLAS PKWY - DALLAS, TX 75248

DART PROJECT

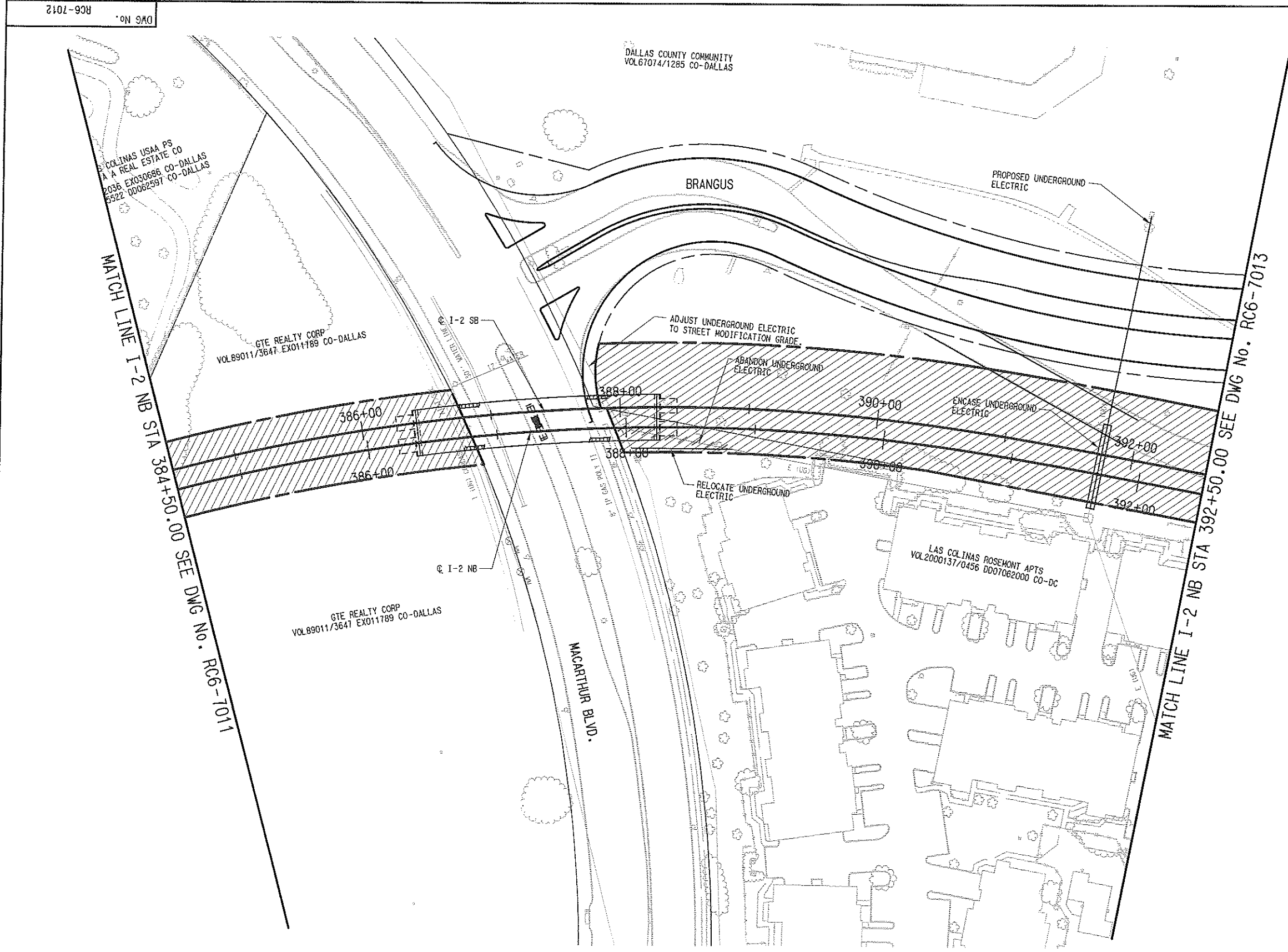
SCALE	AS SHOWN
DRAWN	V. YANG
DESIGNED	V. YANG
CHECKED	R. KELLY
IN CHARGE	R. KELLY
DATE	09 MAR 07

**LIGHT RAIL TRANSIT SYSTEM
 LINE SECTION I-2
 STREET & ALLEY MODIFICATIONS
 BRANGUS DR.
 SHEET 4 OF 4**

CONTRACT **C-93775-1** DWG No. **CC6-7008** REV

DWG No. RC6-7012

ALDR. RAIZAVIRZ011.040, 1-25-07-00
 BRDL. RAIZAVIRZ011.040, 6-10-15-01
 SITE. RAIZAVIRZ011.040, 1-3-15-02
 CTEL. RAIZAVIRZ011.040, 1-13-01
 UTIL. RAIZAVIRZ011.040, 1-19-01
 R04. IN 12/21/06 1.00, 11, 15, 17, 19, 20, 21, 31, 41, 46
 MODFY. RAIZAVIRZ011.040, 2-30-05, 37-61
 TOPOG. RAIZAVIRZ011.040, 2-5-06-11, 13-19, 20-21, 25, 29, 31, 35-36, 49, 52
 PSTM. RAIZAVIRZ011.040, 1-4, 7, 14, 16-61
 UTIL. RAIZAVIRZ011.040, 1-19, 21-60
 REF. 10/11/06 6.000000
 W. MAGNETIC VERIFIABLE UNDER 1.76
 CYP-DART



LEGEND

- EXIST. RIGHT-OF-WAY
- FEE TAKE
- EASEMENT

NOT AN APPROVED DRAWING
PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. **139** OF

**LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2**

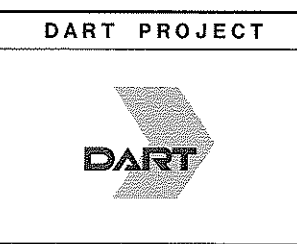
RIGHT-OF-WAY MAP
NB STA 384+50 TO STA 392+50

REV	AMEND	CR	DATE	DESCRIPTION	BY	ENG	CHK	APP

IN-PROGRESS

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 ON 09 MAR 07

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SCALE	1"=40'
DRAWN	V. WANG
DESIGNED	V. WANG
CHECKED	R. KELLY
IN CHARGE	R. KELLY
DATE	09 MAR 07

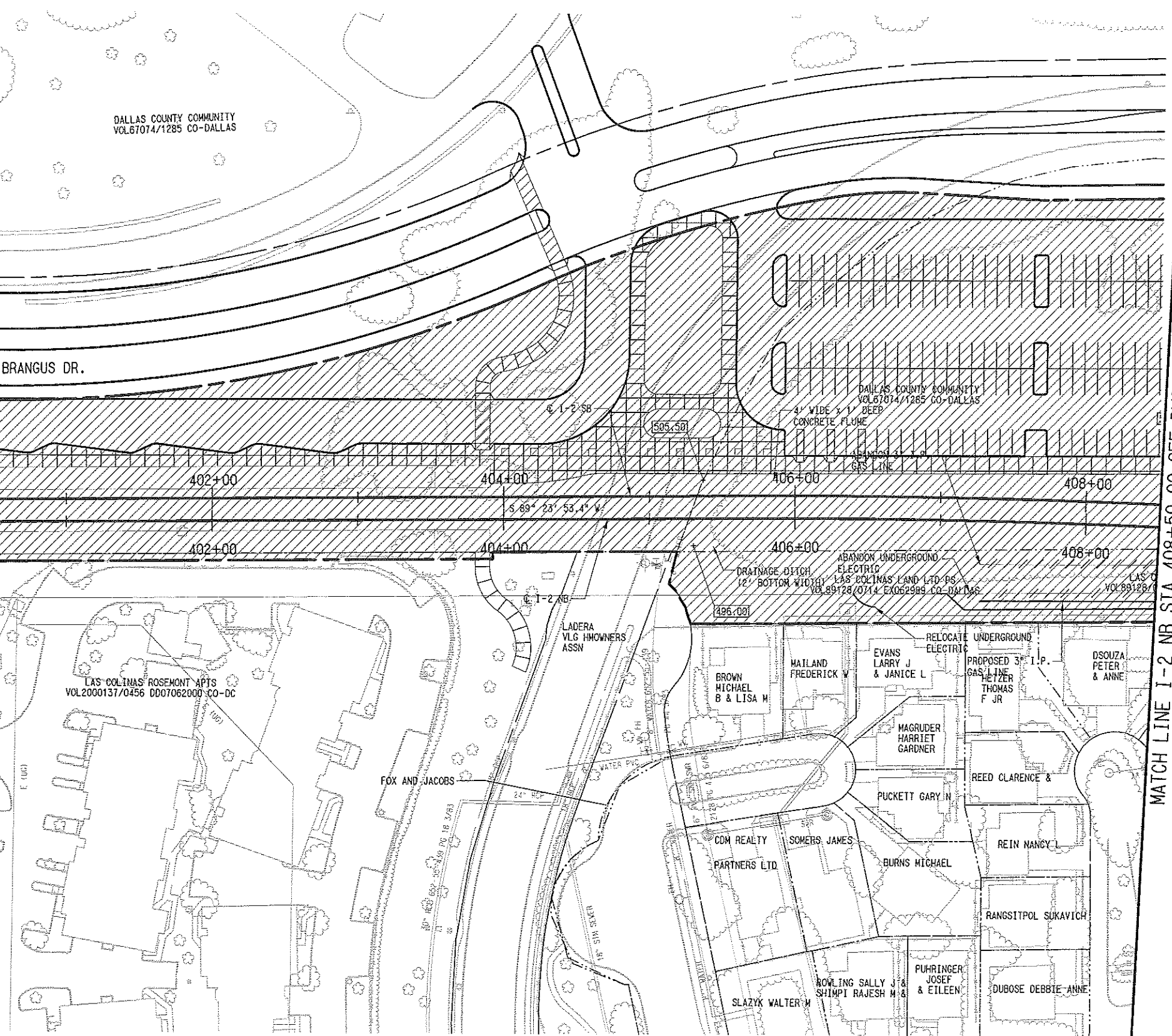
CONTRACT C-93775-1 DWG No. RC6-7012

ALDR. RAIZAVIRZ011.040, 1-25-07-00
 BRDL. RAIZAVIRZ011.040, 6-10-15-01
 SITE. RAIZAVIRZ011.040, 1-3-15-02
 CTEL. RAIZAVIRZ011.040, 1-13-01
 UTIL. RAIZAVIRZ011.040, 1-19-01

ALDW, RA12VA12Z011.000, 1-4-07-00
 BRFL, RA12VA12Z011.000, 6-10-15-17
 SITE, RA12VA12Z011.000, 1-3-0-30-34-02
 CIVL, RA12VA12Z011.000, 1-3-01
 UTIL, RA12VA12Z011.000, 1-01
 DWG, RA12VA12Z011.000, 1-15-17-19-20-21-31-31-41-46
 HDQTY, RA12VA12Z011.000, 2-30-35-37-01
 HSDM, RA12VA12Z011.000, 2-5-0-11-13-15-18-20-21-22-23-31-35-36-48-52
 UTIL, RA12VA12Z011.000, 1-4-7-14-16-01
 UTIL, RA12VA12Z011.000, 1-19-21-00
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 REF, RA12VA12Z011.000, 2-5-0-11-13-15-18-20-21-22-23-31-35-36-48-52
 REF, RA12VA12Z011.000, 1-4-7-14-16-01
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 REF, RA12VA12Z011.000, 1-19-21-00

DWG No. RC6-7014

MATCH LINE I-2 NB STA 400+50.00 SEE DWG No. RC6-7013



LEGEND

- EXIST. RIGHT-OF-WAY
- FEE TAKE
- EASEMENT

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PRELIMINARY ENGINEERING 10% DESIGN

CONTRACT SHEET No. 141 OF

LIGHT RAIL TRANSIT SYSTEM
LINE SECTION I-2

RIGHT-OF-WAY MAP
NB STA 400+50 TO STA 408+50

REV	AMEND	OR	DATE	DESCRIPTION

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SCALE	1"=40'
DRAWN	V. WANG
DESIGNED	V. WANG
CHECKED	R. KELLY
IN CHARGE	R. KELLY
DATE	09 MAR 07

CONTRACT	C-93775-1	DWG No.	RC6-7014	REV	
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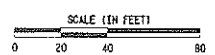
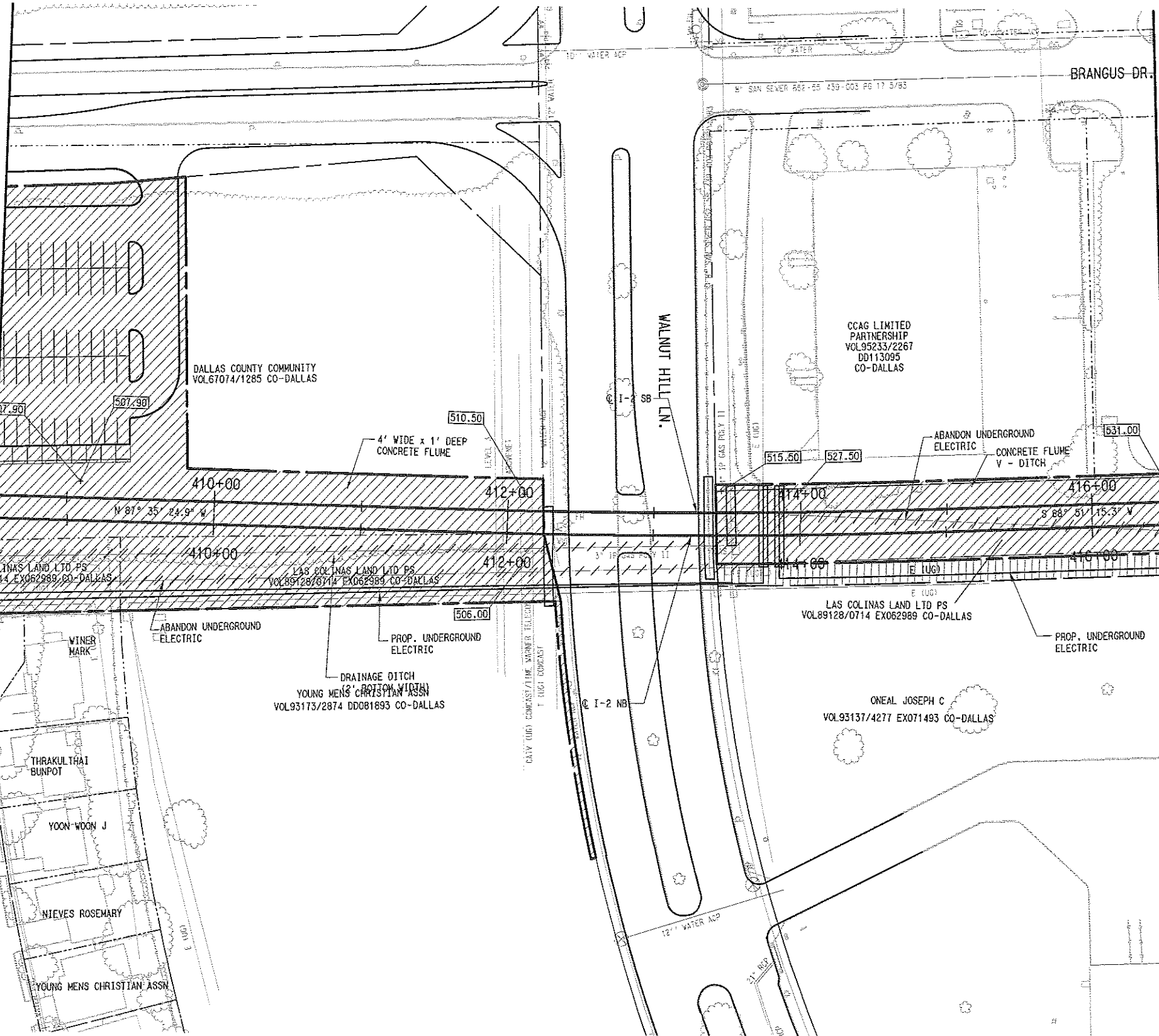
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 PSM. RAJANIRAM: 1.000, 1-4-07-14:16:01
 UPL. RAJANIRAM: 1.000, 1-19-07-19:21:00

ALDR. RAJANIRAM: 1.000, 1-19-07-19:21:00
 BRP. RAJANIRAM: 1.000, 6-10-05-11:17
 STE. RAJANIRAM: 1.000, 1-3-05-10:34:02
 CIVL. RAJANIRAM: 1.000, 1-3-05-10:34:02
 UPL. RAJANIRAM: 1.000, 1-3-05-10:34:02

MATCH LINE I-2 NB STA 408+50.00 SEE DWG No. RC6-7014

MATCH LINE I-2 NB STA 416+50.00 SEE DWG No. RC6-7016



LEGEND

- EXIST. RIGHT-OF-WAY
- FEE TAKE
- EASEMENT

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 PRELIMINARY ENGINEERING 10% DESIGN

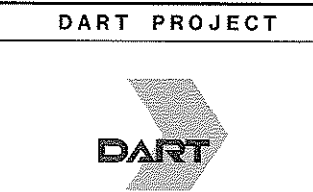
CONTRACT SHEET No.		142 OF	
LIGHT RAIL TRANSIT SYSTEM LINE SECTION I-2			
RIGHT-OF-WAY MAP NB STA 408+50 TO STA 416+50			
SCALE	1"=40'	CONTRACT	C-93775-1
DRAWN	V. WANG	DWG No.	RC6-7015
DESIGNED	V. WANG	REV	
CHECKED	R. KELLY		
IN CHARGE	R. KELLY		
DATE	09 MAR 07		

REV	AMEND	OR	DATE	DESCRIPTION	BY	ENG	CHK	APP

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DART PROJECT	
SCALE	1"=40'
DRAWN	V. WANG
DESIGNED	V. WANG
CHECKED	R. KELLY
IN CHARGE	R. KELLY
DATE	09 MAR 07