

CIVIL / TRACK / STRUCTURAL GUIDANCE DRAWINGS

MARCH 2024

GUIDANCE DRAWINGS ARE FOR USE BY DESIGN TEAMS AS REPRESENTATIONS OF THE ARRANGEMENT OR CONFIGURATION OF SPECIFIC COMPONENTS OR THE WAY ACCEPTABLE SOLUTIONS TO CERTAIN DESIGN CHALLENGES HAVE BEEN ADDRESSED. THE GUIDANCE DRAWINGS ARE STARTING POINT OF DESIGN SOLUTIONS AND ARE INTENDED TO BE MODIFIED FOR APPLICATION TO PROJECT CONDITIONS.

THE DESIGNER OF RECORD SHALL REVIEW GUIDANCE DRAWINGS IN CONJUNCTION WITH OTHER CONTRACT DOCUMENTS AND SELECT APPLICABLE GUIDANCE DRAWINGS TO DEVELOP, STAMP, SIGN AND FINALIZE AS PROJECT CONTRACT DOCUMENTS.

SOUND TRANSIT MAKES THE GUIDANCE DRAWINGS AVAILABLE ON AN AS-IS BASIS AND THEY SHALL NOT BE DEEMED TO BE "DESIGN FURNISHED" BY SOUND TRANSIT.

CIVIL / TRACK / STRUCTURAL GUIDANCE DRAWINGS

APPLICABILITY OF CURRENT VERSION

SUPERSEDES AUGUST 2019 VERSION

FOR PROJECTS THAT ARE BASELINED AFTER MARCH 29, 2024

GUI-GZT001

REV:

4



DISCLAIMER FOR Design and Engineering Design Standards Documents

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APPLICABILITY FOR Design and Engineering Design Standards Documents

Project teams shall refer to their executed project contracts for applicable document versions/revisions.

GUI-CZN001 2 NOTES & SYMBOLS

GUI-UZN001 1 NOTES & SYMBOLS

GUI-UCD101 0 TYPICAL UNDERGROUND UTILITY CONFIGURATION

INDEX OF DRAWINGS DRAWING INDEX DRAWING REV TITLE NUMBER **GENERAL** GUI-GZT001 4 COVER SHEET 4 INDEX OF DRAWINGS GUI-GZI001 **RIGHT OF WAY** 1 PERMANENT EASEMENTS 1 OF 6 GUI-REX101 GUI-REX102 1 PERMANENT EASEMENTS 2 OF 6 GUI-REX103 1 PERMANENT EASEMENTS 3 OF 6 GUI-REX104 1 PERMANENT EASEMENTS 4 OF 6 GUI-REX105 1 PERMANENT EASEMENTS 5 OF 6 GUI-REX106 1 PERMANENT EASEMENTS 6 OF 6 GUI-REX201 1 TEMPORARY EASEMENTS **TRACKWORK** 2 ABBREVIATIONS, SYMBOLS & GENERAL NOTES GUI-KZN001 GUI-KAX060 2 BALLASTED DOUBLE MAIN TRACK TYPICAL SECTIONS 2 TYPICAL GUIDEWAY SECTIONS GUI-KAX061 GUI-KAX065 2 BALLASTED TRACK TYPICAL SECTION DETAILS 2 EMBEDDED TRACK CONSTRUCTION DOUBLE MAINLINE TRACKS TYPICAL SECTIONS (115RE) GUI-KAX200 GUI-KAD140 2 DIRECT FIXATION TRACK CONSTRUCTION MAINTENANCE WALKWAY PEDESTRIAN CROSSING PRECAST CONCRETE PANEL 2 EMBEDDED TRACK CONSTRUCTION TYPICAL TRACK SECTIONS ROAD INTERSECTIONS (115RE) GUI-KAD210 2 EMBEDDED TRACK CONSTRUCTION TYPICAL TRACK SECTION EMERGENCY VEHICLES & PEDESTRIAN CROSSINGS (115RE) GUI-KAD211 GUI-KAD215 2 EMBEDDED TRACK CONSTRUCTION TYPICAL TRACK SECTIONS ROAD INTERSECTIONS (115RE) 2 EMBEDDED TRACK CONSTRUCTION TYPICAL TRACK SECTIONS MIDBLOCK ROAD SECTION (115RE) GUI-KAD220 GUI-KAD225 2 EMBEDDED TRACK CONSTRUCTION RAIL FIXATION DETAILS (115RE) 2 EMBEDDED TRACK CONSTRUCTION RAIL BOOT GENERAL DETAILS (115RE) GUI-KAD230 GUI-KAD235 2 EMBEDDED TRACK CONSTRUCTION TYPICAL NON-INSULATED TRACK RAIL FIXATION DETAIL GUI-KAD236 2 EMBEDDED TRACK CONSTRUCTION TYPICAL NON-INSULATED TRACK RAIL FIXATION DETAIL GUI-KAD240 2 LIGHT RAIL EMBEDDED TRACK CONSTRUCTION TRACK SLAB JOINT DETAILS GUI-KAD245 2 EMBEDDED TRACK CONSTRUCTION PLASTIC BEAM AND ANCHOR PLATE ASSEMBLY (115RE) 2 EMBEDDED TRACK CONSTRUCTION MIDBLOCK TRACK SLAB TRACK DRAIN (115RE) GUI-KAD250 GUI-KAD427 1 TRANSITION SLAB HIGH RESILIENT FASTENER DIRECT FIXATION TRACK TO STANDARD DIRECT FIXATION TRACK CIVIL

UTILITY

						DESIGNED BY:
			DRAWN BY:			
4	4 2/2024 2024 F			2024 REVISED GUIDANCE DRAWINGS		
3	8/2019	3/2019 REVISE			REVISED - DIRECTIVE AND STANDARD DRAWINGS	CHECKED BY:
2	10/2017				NEW - CIVIL DIRECTIVE AND STANDARD DWGS	
1	9/2014		GUIDANCE DRAWINGS		APPROVED BY:	
No.	DATE	DSN	СНК	APP	REVISION	

SUBMITTED BY: REVIEWED BY: SoundTransit

GUI-GZI001

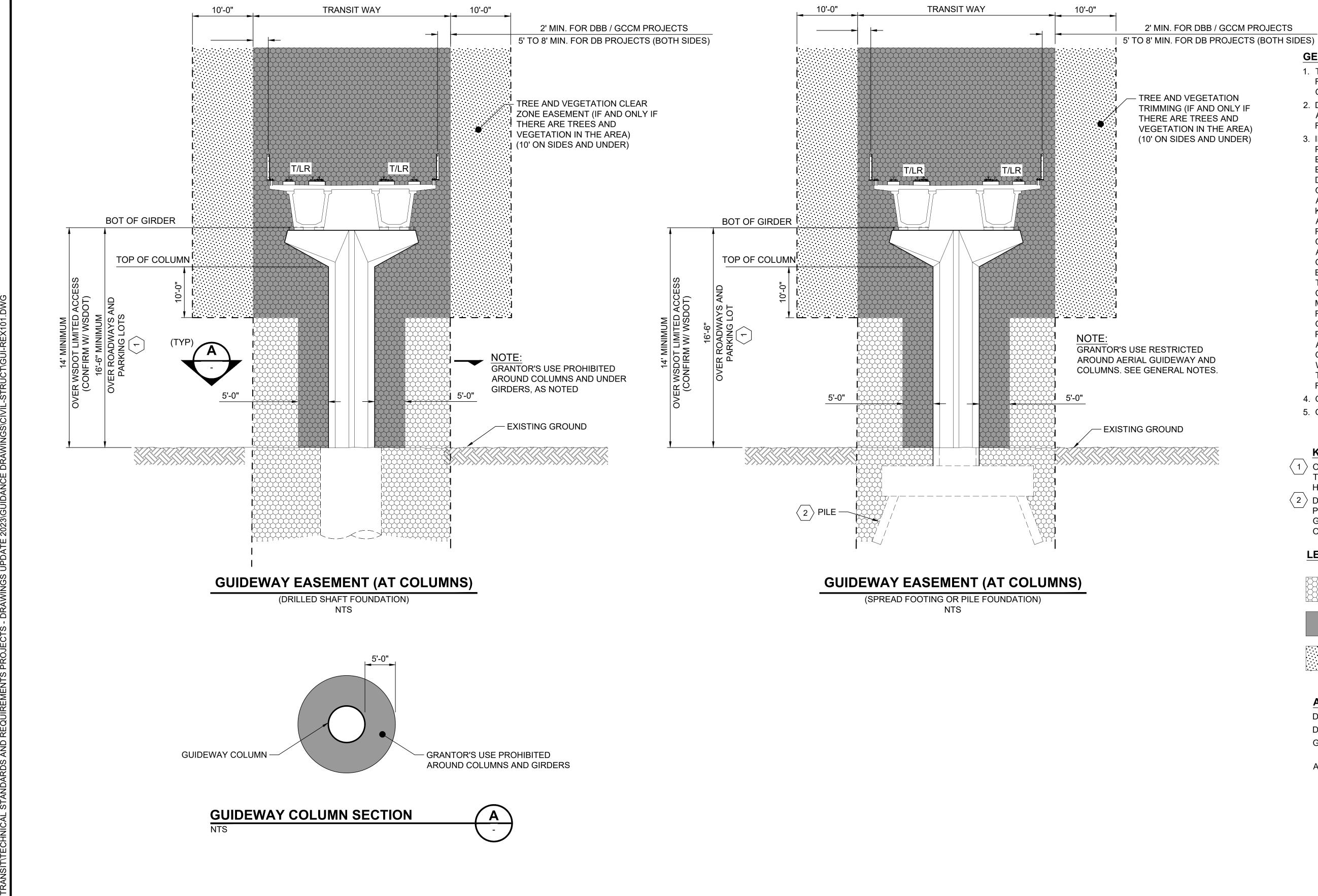
SOUND TRANSIT GUIDANCE DRAWINGS TRACKWORK

RAWING No.: **GUI-GZI001**

INDEX OF DRAWINGS

FACILITY ID:

SHEET No.:



SUBMITTED BY:

GENERAL NOTES:

- 1. THESE SECTIONS ARE PROVIDED AS A DIRECTION FOR ESTABLISHING MINIMUM RIGHT-OF-WAY LIMITS
- 2. DIMENSIONS SHOWN ARE FOR GENERAL CONDITIONS AND SHALL BE MODIFIED WHERE ENGINEERING OR REAL ESTATE REQUIREMENTS DICTATE.
- 3. IN NO EVENT MAY GRANTOR CONSTRUCT PERMANENT STRUCTURES OR STORE FLAMMABLE, EXPLOSIVE, OR HAZARDOUS MATERIALS WITHIN THE EASEMENT AREA. IN THE EVENT GRANTEE DISCOVERS SUCH ITEMS IN THE EASEMENT AREA, GRANTEE MAY IMMEDIATELY REMOVE SUCH ITEMS AT GRANTOR'S EXPENSE. NO OBSTRUCTIONS OF ANY KIND WHATSOEVER, OTHER THAN THOSE IDENTIFIED ABOVE IN THIS SECTION 2 WILL BE ALLOWED WITHIN FIVE FEET OF THE AERIAL GUIDEWAY COLUMNS. GRANTOR MAY NOT USE THE EASEMENT AREA FOR ANY PURPOSE IN THE AREA ABOVE THE AERIAL GUIDEWAY OR THE AREA TEN FEET BELOW THE BOTTOM OF THE AERIAL GUIDEWAY GIRDERS AND TEN FEET BELOW THE TOP OF THE AERIAL GUIDEWAY COLUMN. VEHICLES CARRYING FLAMMABLE MATERIALS OTHER THAN WITHIN THE VEHICLE'S OWN FUEL TANK, MAY NOT PARK UNDER THE AERIAL GUIDEWAY. GRANTOR MAY OTHERWISE USE THE PROPERTY WITHIN THE EASEMENT AREA, SO LONG AS THE GRANTOR'S USE DOES NOT INTERFERE WITH GRANTEE'S USE OF THE EASEMENT AREA WITHOUT WRITTEN PERMISSION OF THE GRANTEE. REVIEW THE GUIDEWAY EASEMENT STANDARD TEMPLATE FOR ADDITIONAL INFORMATION.
- 4. GRANTOR PRIVATE PROPERTY OWNER OR AHJ.
- 5. GRANTEE SOUND TRANSIT

KEY NOTES:

- 1 OVERSIZE HAUL ROUTE MAY REQUIRE GREATER THAN 16'-6" DEPENDING ON THE AUTHORITY HAVING JURISDICTION.
- 2 DESIGNER TO CONFIRM THAT FULL EXTENT OF ALL PILES AND PILE CAP MUST FALL WITHIN 2' OR GREATER OF THE TRANSIT WAY. ADJUST WIDTH OUT IF NECESSARY.

LEGEND:

GUIDEWAY EASEMENT
(TRANSIT WAY / ST RIGHT-OF-WAY)



GRANTOR'S USE LIMITS



PERMANENT EASEMENT

ABBREVIATIONS:

DB: DESIGN BUILD
DDB: DESIGN BID BUILD

: GENERAL CONTRACTOR CONSTRUCTION

MANAGEMENT

AUTHORITY HAVING JURISDICTION.

						DESIGNED BY:
						DRAWN BY:
						CHECKED BY:
1	2/2024				2024 REVISED GUIDANCE DRAWINGS	
0	8/2019			NEW - CIVIL DIRECTIVE AND STANDARD DWGS APPROVED BY		APPROVED BY:
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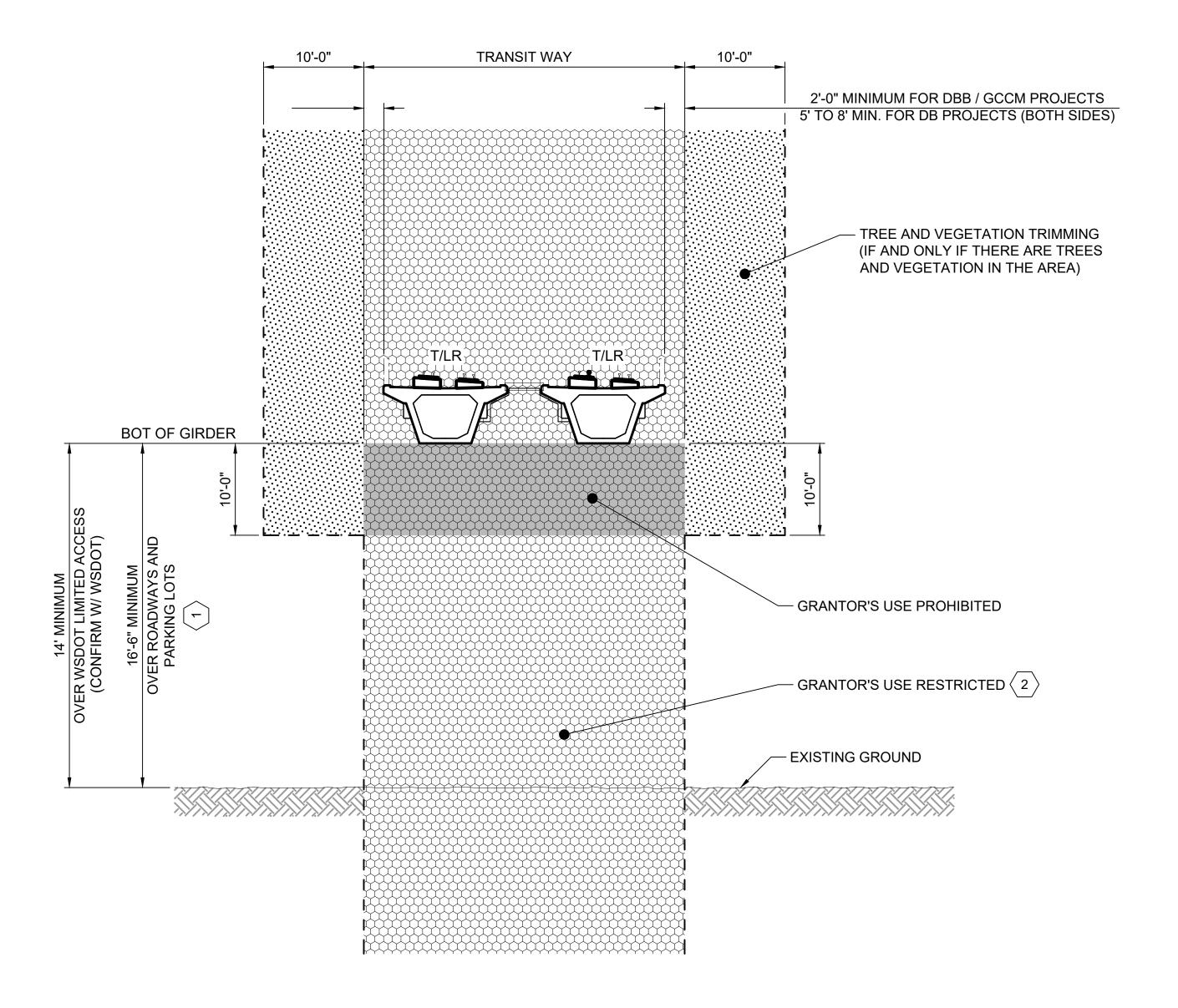
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2/2024

SOUND TRANSIT GUIDANCE DRAWINGS RIGHT OF WAY

PERMANENT EASEMENTS 1 OF 6 GUI-REX101
FACILITY ID:

SHEET No.: REV:



AERIAL GUIDEWAY EASEMENT (BETWEEN COLUMNS)

NITO

GENERAL NOTES:

- THESE SECTIONS ARE PROVIDED AS A GUIDE FOR ESTABLISHING MINIMUM RIGHT-OF-WAY LIMITS ONLY.
- 2. DIMENSIONS SHOWN ARE FOR GENERAL CONDITIONS AND SHALL BE MODIFIED WHERE ENGINEERING OR REAL ESTATE REQUIREMENTS DICTATE.
- 3. WHEN UTILITIES OR OTHER APPURTENANCES EXTEND BELOW THE GUIDEWAY, ADDITIONAL GRANTOR'S USE PROHIBITIONS MAY BE REQUIRED. COORDINATE WITH ROW ENGINEER.

KEY NOTES:

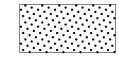
- OVERSIZE HAUL ROUTE MAY REQUIRE GREATER THAN 16.5'-0" DEPENDING ON THE AUTHORITY HAVING JURISDICTION.
- 2 IN NO EVENT MAY GRANTOR CONSTRUCT PERMANENT STRUCTURES OR STORE FLAMMABLE, EXPLOSIVE, OR HAZARDOUS MATERIALS WITHIN THE EASEMENT AREA. IN THE EVENT GRANTEE DISCOVERS SUCH ITEMS IN THE EASEMENT AREA, GRANTEE MAY IMMEDIATELY REMOVE SUCH ITEMS AT GRANTOR'S EXPENSE. NO OBSTRUCTIONS OF ANY KIND WHATSOEVER, OTHER THAN THOSE IDENTIFIED ABOVE IN THIS SECTION 2 WILL BE ALLOWED WITHIN FIVE FEET OF THE AERIAL GUIDEWAY COLUMNS. GRANTOR MAY NOT USE THE EASEMENT AREA FOR ANY PURPOSE IN THE AREA ABOVE THE AERIAL GUIDEWAY, OR THE AREA FIVE FEET BELOW THE BOTTOM OF THE AERIAL GUIDEWAY. VEHICLES CARRYING FLAMMABLE MATERIALS OTHER THAN WITHIN THE VEHICLE'S OWN FUEL TANK, MAY NOT PARK UNDER THE AERIAL GUIDEWAY. GRANTOR MAY OTHERWISE USE THE PROPERTY WITHIN THE EASEMENT AREA, SO LONG AS THE GRANTOR'S USE DOES NOT INTERFERE WITH GRANTEE'S USE OF THE EASEMENT AREA WITHOUT WRITTEN PERMISSION OF THE GRANTEE.

LEGEND:

GUIDEWAY EASEMENT (TRANSIT WAY / ST RIGHT-OF-WAY)



GRANTOR'S USE LIMITS



PERMANENT EASEMENT

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<u> </u>						DESIGNED BY:	
						DRAWN BY:	
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<u></u>						CHECKED BY:	
2 1	2/2024				2024 REVISED GUIDANCE DRAWINGS		
ğ o	8/2019				NEW - CIVIL DIRECTIVE AND STANDARD DWGS	APPROVED BY:	
No.	DATE	DSN	CHK	APP	REVISION		

SUBMITTED BY:

DATE:

REVIEWED BY:

DATE

SCALE:
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FILENAME:
GUI-REX102
CONTRACT No.:
RTA/LR DATE:
DATE:
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SOUND TRANSIT GUIDANCE DRAWINGS RIGHT OF WAY

PERMANENT EASEMENTS 2 OF 6 DRAWING No.:

GUI-REX102

SHEET No.:

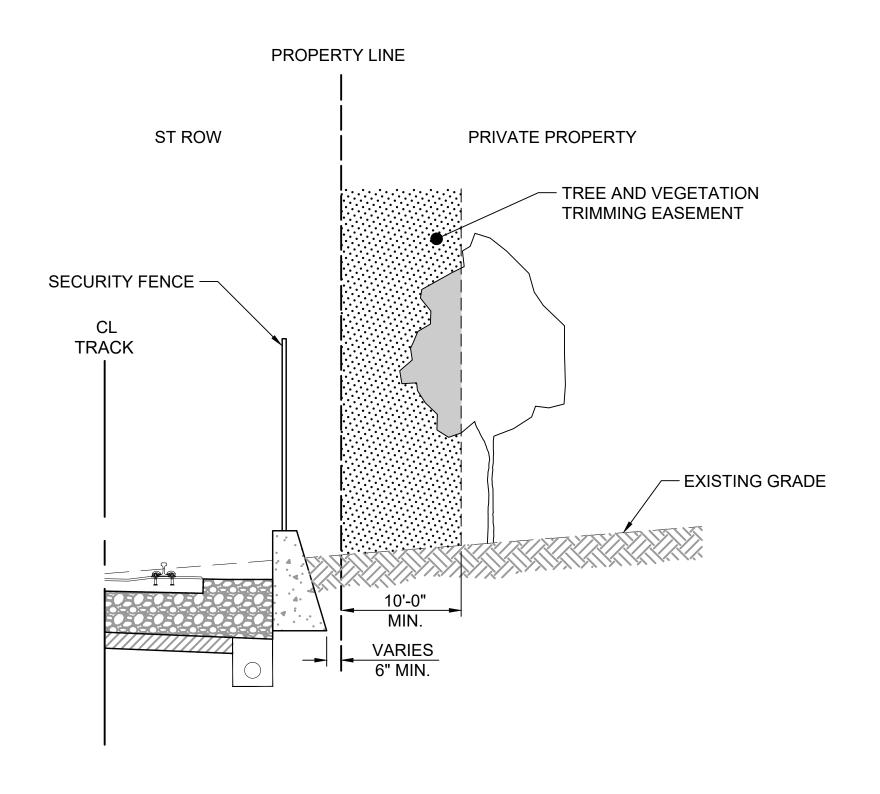
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- 1. THIS SECTION IS PROVIDED AS A GUIDE FOR ESTABLISHING MINIMUM RIGHT -OF-WAY LIMITS ONLY.
- 2. DIMENSIONS SHOWN ARE FOR GENERAL CONDITIONS AND SHALL BE MODIFIED WHERE ENGINEERING OR REAL ESTATE REQUIREMENTS DICTATE.

LEGEND:





TREE AND VEGETATION TRIMMING EASEMENT

(FEE TAKE / AT GRADE)

NTS

SECURITY FENCE

CL
TRACK

1
SLOPE EASEMENT

VARIES

1
VARIES

2'-0"
MIN.

FILL SLOPE EASEMENT

PROPERTY LINE

DESIGNED BY:

---- --- --- --- --- --- --- DRAWN BY:

---- --- --- --- --- --- --- DRAWN BY:

---- --- --- --- --- --- --- CHECKED BY:

1 2/2024 --- --- --- 2024 REVISED GUIDANCE DRAWINGS

0 8/2019 --- NEW - CIVIL DIRECTIVE AND STANDARD DWGS

APPROVED BY:

SUBMITTED BY:

DATE:

REVIEWED BY:

SCALE:
NTS
FILENAME:
GUI-REX1
CONTRACT No.:
RTA/LR DATE:
DATE:
DATE:

2/2024

SOUND TRANSIT
GUIDANCE DRAWINGS
RIGHT OF WAY

RIGHT OF WAY

PERMANENT EASEMENTS
3 OF 6

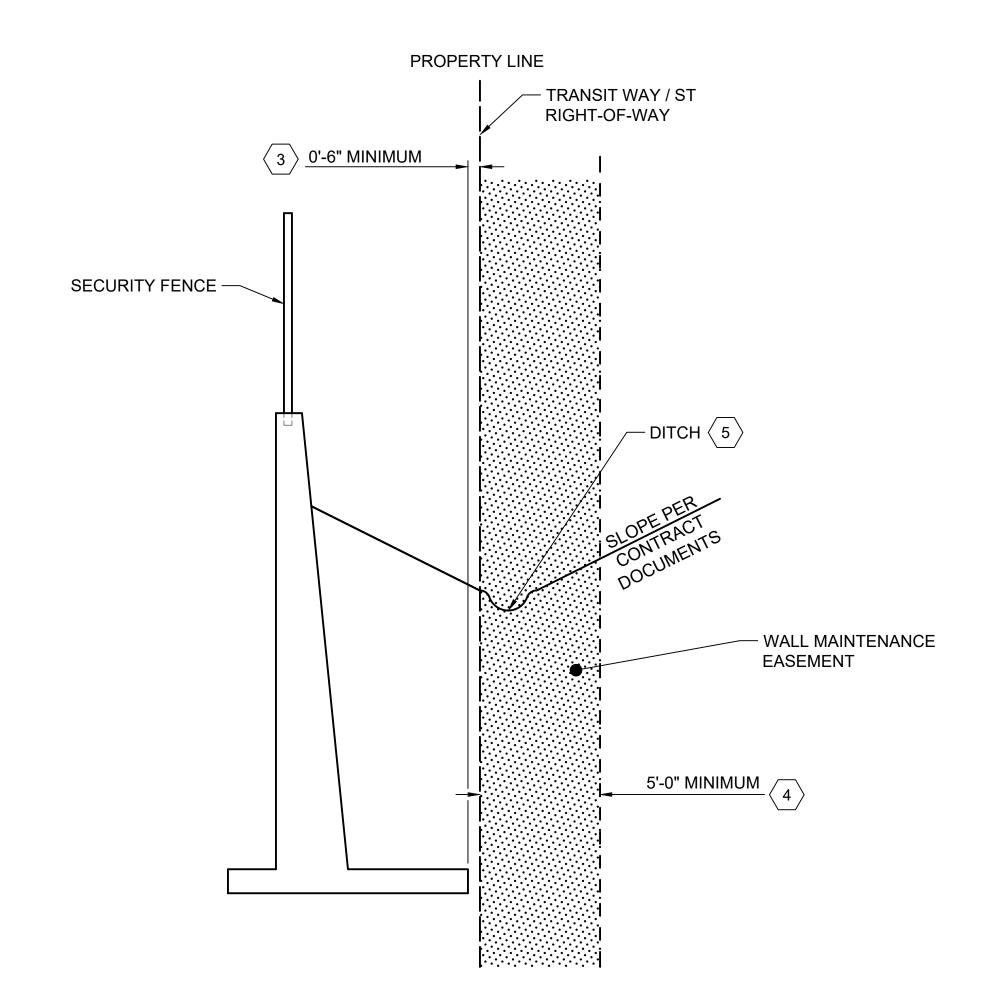
GUI-REX103

FACILITY ID:

SHEET No.: REV:

PROPERTY LINE TRANSIT WAY / ST RIGHT-OF-WAY DITCH 5 SECURITY FENCE DITCH 5 WALL AND MAINTENANCE EASEMENT 5'-0" MINIMUM 0'-6" MINIMUM 2

WALL MAINTENANCE EASMENT (NON-GUIDEWAY / RESIDENTIAL) NTS



WALL MAINTENANCE EASEMENT

(GUIDEWAY / COMMERCIAL) NTS

GENERAL NOTES:

- THESE SECTIONS ARE PROVIDED AS A GUIDE FOR ESTABLISHING MINIMUM RIGHT-OF-WAY LIMITS ONLY.
- 2. DIMENSIONS SHOWN ARE FOR GENERAL CONDITIONS AND SHALL BE MODIFIED WHERE ENGINEERING OR REAL ESTATE REQUIREMENTS DICTATE.

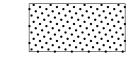
KEY NOTES:

- \langle 1 \rangle FOR DBB/ GCCM PROJECTS, ROW LIMIT SHALL START AT THE GREATER OF:
 - 2'-0" MINIMUM FROM FURTHEST EXPOSED POINT OF THE WALL

0'-6" MINIMUM BEYOND THE FURTHEST POINT OF THE WALL.
 FOR DB PROJECTS, ROW LIMIT SHALL START AT THE GREATER OF:

- 5' TO 8' MINIMUM FROM FURTHEST EXPOSED POINT OF THE WALL.
- 0'-6" MINIMUM BEYOND THE FURTHEST POINT OF THE WALL.
- 2 EASEMENT SHALL EXTEND THE GREATER OF:
 - 5'-0" MINIMUM FROM THE ST ROW LIMIT
 - 0'-6" MINIMUM BEYOND THE FURTHEST EDGE OF THE FOOTING
- $\langle 3 \rangle$ ROW LIMIT SHALL START AT:
 - 0'-6" MINIMUM BEYOND THE FURTHEST EDGE OF THE FOOTING
- $\langle 4 \rangle$ EASEMENT SHALL EXTEND:
 - 5'-0" MINIMUM FROM THE ROW LIMIT
- $\left\langle 5\right\rangle$ DITCH TO BE LOCATED IN THE EASEMENT AREA

LEGEND:



PERMANENT EASEMENT

03/20/24 | 11:54 AM | HARRISBK
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SUBMITTED BY:

DATE:

REVIEWED BY:

SoundTransit

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FILENAME:
GUI-REX104
CONTRACT No.:
RTA/LR -

SOUND TRANSIT GUIDANCE DRAWINGS RIGHT OF WAY

PERMANENT EASEMENTS 4 OF 6 DRAWING No.:

GUI-REX104

FACILITY ID:

SHEET No.:

GENERAL NOTES: 1. THESE SECTIONS ARE PROVIDED AS A GUIDE FOR ESTABLISHING MINIMUM RIGHT-OF-WAY LIMITS ONLY. 2. DIMENSIONS SHOWN ARE FOR GENERAL CONDITIONS AND SHALL BE MODIFIED WHERE ENGINEERING OR REAL ESTATE REQUIREMENTS DICTATE. 3. DESIGNERS TO OBTAIN PERMISSION FROM AHJ BEFORE FINALIZING DESIGN. LEGEND: SUBSURFACE ANCHOR EASEMENT FENCE OR RAILING BARRIER -PERMANENT EASEMENT FINISHED GRADE — PROPERTY LINE ST ROW PROPERTY LINE — - CEMENT CONCRETE FENCE OR **GUTTER OR** RAILING BARRIER TRENCH DRAIN — FINISHED GRADE TOP OF WALL PROPERTY LINE PRIVATE 10'-0" MIN PROPERTY ST ROW REINFORCEMENT 5'-0" MINIMUM WALL MAINTENANCE **EASEMENT** ANCHORS (TYP) - 5'-0" MINIMUM WALL MAINTENANCE **EASEMENT** SUBSURFACE **ANCHOR** EASEMENT /— PRIVATE PROPERTY FINISHED GRADE -0'-6" MINIMUM FOR DBB / GCCM PROJECTS 5'-8' FOR DB PROJECTS 0'-6" MINIMUM FOR DBB / GCCM PROJECTS - GROUND IMPROVEMENT. ST ROW TO 5'-8' FOR DB PROJECTS PROVIDE ADDITIONAL REQUIREMENTS IF GROUND IMPROVEMENT OR BENCH AND SLOPE SUPPORTING MSE WALL EXISTS **MSE WALL EASEMENT** SUBSURFACE ANCHORS EASEMENT DESIGNED BY: RAWING No.: **SOUND TRANSIT** NTS **GUI-REX105 GUIDANCE DRAWINGS** FILENAME: DRAWN BY: **RIGHT OF WAY** GUI-REX105 FACILITY ID: CHECKED BY: CONTRACT No.: SoundTransit PERMANENT EASEMENTS RTA/LR -2024 REVISED GUIDANCE DRAWINGS SHEET No.: 2/2024 5 OF 6 NEW - CIVIL DIRECTIVE AND STANDARD DWGS 8/2019 APPROVED BY: SUBMITTED BY: REVIEWED BY: 2/2024

GENERAL NOTES:

ENGINEER.

LEGEND:

- TUNNEL EASEMENT

1. THIS SECTION IS PROVIDED AS A GUIDE FOR

REAL ESTATE REQUIREMENTS DICTATE.

ESTABLISHING MINIMUM RIGHT-OF-WAY LIMITS ONLY.

2. DIMENSIONS SHOWN ARE FOR GENERAL CONDITIONS AND SHALL BE MODIFIED WHERE ENGINEERING OR

3. FOR STATION BOXES, CLEARANCES VARY. SEE ROW

PERMANENT EASEMENT

TUNNEL EASEMENT

DESIGNED BY: DRAWING No.: **SOUND TRANSIT GUI-REX106 GUIDANCE DRAWINGS** DRAWN BY: RIGHT OF WAY GUI-REX106 FACILITY ID: SOUNDTRANSIT CONTRACT N CHECKED BY: PERMANENT EASEMENTS 2024 REVISED GUIDANCE DRAWINGS 6 OF 6 NEW - CIVIL DIRECTIVE AND STANDARD DWGS SUBMITTED BY: APPROVED BY: REVIEWED BY:

GENERAL NOTES: 1. THESE SECTIONS ARE PROVIDED AS A GUIDE FOR ESTABLISHING MINIMUM RIGHT-OF-WAY LIMITS ONLY. 2. DIMENSIONS SHOWN ARE FOR GENERAL CONDITIONS AND SHALL BE MODIFIED WHERE ENGINEERING OR REAL ESTATE REQUIREMENTS DICTATE. 3. DESIGNER TO OBTAIN PERMISSION FROM AHJ BEFORE FINALIZING DESIGN. **KEY NOTES:** (1) ANCHORS CAN BE SEMI-PERMANENT FOR THE CITY OF SEATTLE REQUIREMENT LEGEND: SUBSURFACE ANCHOR EASEMENT CRANE SWING EASEMENT \triangle \triangle \triangle \triangle \triangle \triangle TEMPORARY EASEMENT — CRANE SWING PERIMETER _ STREET **RIGHT-OF-WAY** ST STRUCTURE - CRANE SWING **EASEMENT** CRANE BASE

TEMPORARY CRANE SWING EASEMENT

SUBSURFACE ANCHORS EASEMENT NTS

0'-6" MINIMUM FOR DBB / GCCM PROJECTS 5'-8' FOR DB PROJECTS

- CEMENT CONCRETE

— FINISHED GRADE

PRIVATE

PROPERTY

10'-0" MIN

GUTTER OR

PROPERTY

LINE

TRENCH DRAIN

FENCE OR

RAILING BARRIER -

TOP OF WALL

ST ROW

DESIGNED BY:

---- --- --- DRAWN BY:

---- --- --- DRAWN BY:

---- --- --- CHECKED BY:

1 2/2024 ---- --- 2024 REVISED GUIDANCE DRAWINGS

0 8/2019 ---- NEW - CIVIL DIRECTIVE AND STANDARD DWGS

APPROVED BY:

UNDERPINNING DETAIL

ST FACILITY PROPERTY LINE

EXISTING

BUILDING

VARIES

DATE: DATE: REVIEWED BY:

SCALE:
NTS
FILENAME:
GU
CONTRACT No.:
RTA/LR -

- SUBSURFACE

ANCHOR EASEMENT

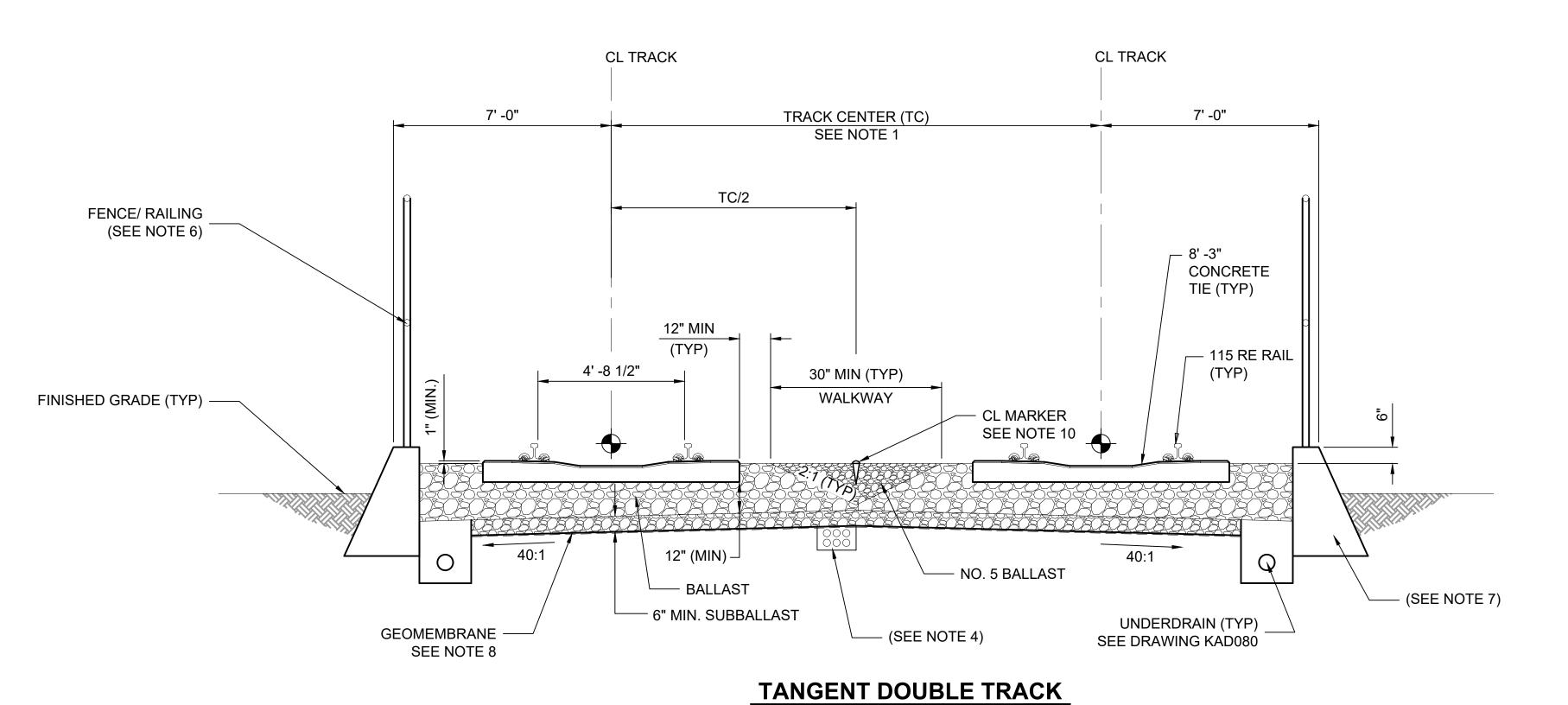
SOUND TRANSIT
GUIDANCE DRAWINGS
RIGHT OF WAY
TEMPORARY EASEMENTS

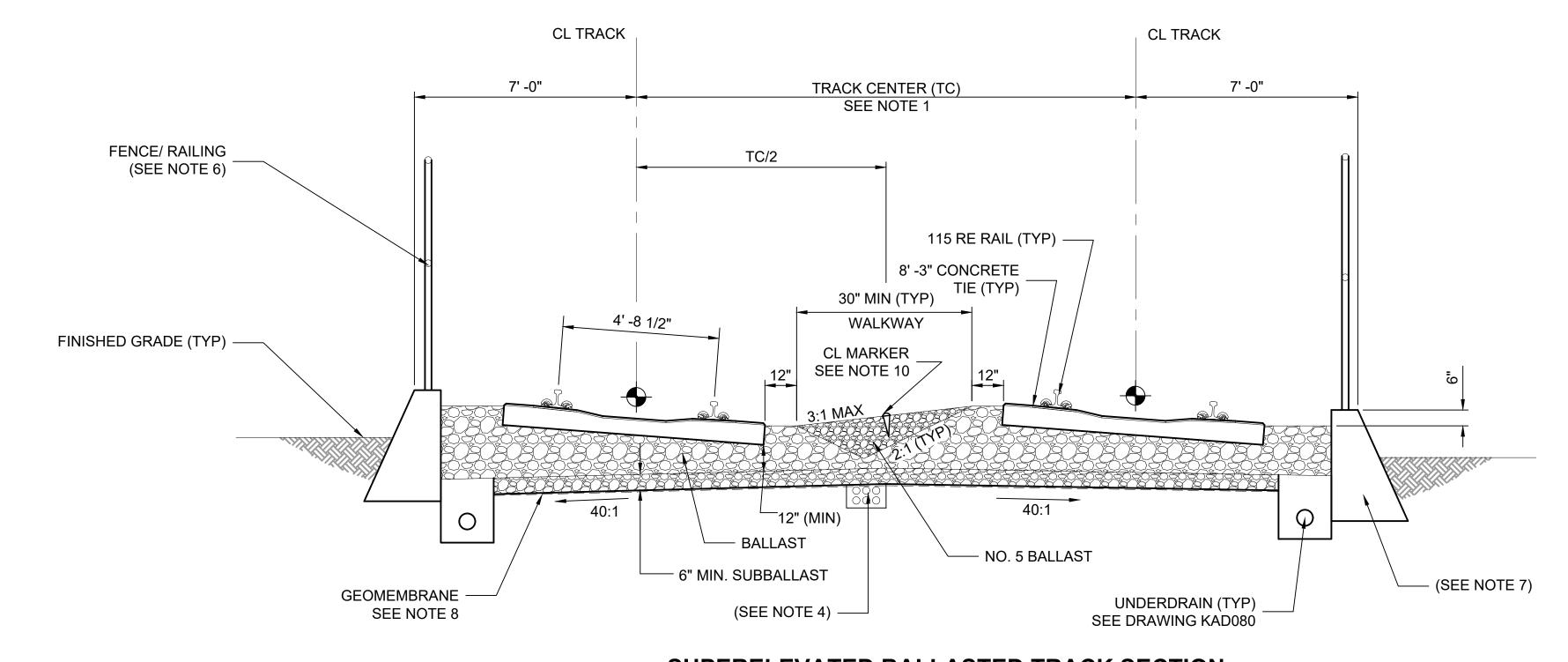
GUI-REX201

FACILITY ID:

SHEET No.: REV:

ABBREVIATI	ONS			SYMBOLS	GENERAL NOTES
HORIZONTAL ALIGNMENT		MISCELLANEOUS		LEFT HAND CURVE	1. FOR GENERAL CIVIL NOTES SEE GUI-CZN011.
HD AHEAD	APPROX A/R	APPROXIMATE AS REQUIRED		RIGHT HAND CURVE	2. STATIONS GIVEN FOR INSULATED JOINTS ARE TO THE CENTER OF A PAIR OF JOINTS, UNLESS NOTED
C CENTER OF CIRCULAR CURVE	AREMA	AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION	φ	RIGHT HAND CORVE	OTHERWISE. SEE TRACK CHARTS FOR LOCATIONS
CC CENTER OF CIRCULAR CURVE CS POINT OF CHANGE FROM CIRCULAR CURVE TO SPIRAL	BEG B.M.	BEGINNING BENCH MARK		POINT OF SWITCH	
DEGREE OF CIRCULAR CURVE, ARC DEFINITION	BRG	BEARING		TURNOUT SHOWING PITO	
TANGENT DISTANCE FROM TS OR ST TO PC OR PT OF THE EXTENDED CIRCULAR CURVE OF A SPIRALIZED CURVE	CL	CENTERLINE		SINGLE CROSSOVER	
s RADIAL DISTANCE FROM PI TO SPIRALIZED CURVE	CLR CONC	CLEAR, CLEARANCE CONCRETE		DOUBLE CROSSOVER	
C TOTAL LENGTH OF CIRCULAR CURVE S TOTAL LENGTH OF SPIRAL SC LENGTH OF COMPOUND SPIRAL (FROM CC4 TO CC2)	CWR	CONTINUOUS WELDED RAIL		DOUBLE CROSSOVER	
SC LENGTH OF COMPOUND SPIRAL (FROM CS1 TO SC2) S1 SUFFIX (1) AT THE SYMBOL DENOTES THE DATA FOR THE FIRST SPIRAL IN AN UNSYMMETRICAL SPIRALIZED CURVE	DIA DF	DIAMETER DIRECT FIXIATION		TRACK CROSSING (CIRCLE AT PI OF CENTERLINES)	
S2 SUFFIX (2) SAME AS ABOVE - SECOND SPIRAL ST TOTAL LENGTH OF COMPOUND SPIRAL (FROM SPO TO SC)	DOR DWG	DESIGNER OF RECORD DRAWING		BUMPING POST	
T. LONG TANGENT OF SPIRAL OFFSET FROM THE TANGENT TO THE PC OR PT OF THE EXTENDED CIRCULAR	E EA	EAST EACH			
CURVE OF A SPIRALIZED CURVE (THROW) POINT OF CHANGE FROM TANGENT TO CIRCULAR CURVE	EL EQ	ELEVATION EQUAL		DERAIL - POINT TOWARD TRAFFIC TO BE DERAILED	
POINT OF COMPOUND CIRCULAR CURVATURE POINT OF FROG	EGR	EMERGENCY GUARD RAIL	Δ	PI, PVI	
POINT OF INTERSECTION OF TWO TANGENTS POINT OF INTERSEPTION OF MAIN TANGENT WITH TANGENT THROUGH SC OR CS POINT POINT OF INTERSECTION OF TURNOUT	FT	FEET OR FOOT	ND 4000		
DB POINT OF BEGINNING DC POINT ON CIRCULAR CURVE	GALV GP	GALVANIZED GAUGE PLATE	NB 1002	CURVE NUMBER	
DE POINT OF ENDING DS POINT ON SPIRAL	G/R PL	GUARD RAIL PLATE	S 20 , STREET ,	TURNOUT NUMBER	
OT POINT ON TANGENT C POINT OF REVERSE CIRCULAR CURVES CS POINT OF REVERSE SPIRAL	HS HOF	HEEL OF SWITCH HEEL OF FROG	NAME	GRADE CROSSING ROAD	
POINT OF SWITCH POINT OF CHANGE FROM CIRCULAR CURVE TO TANGENT	ID	INSIDE DIAMETER INSULATED JOINT		STATION PLATFORM	
RADIUS OF CIRCULAR CURVE	INV	INVERT			
POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE POINT OF CHANGE FROM FIRST SPIRAL TO FIRST CIRCULAR CURVE	JT	JOINT		ROAD, RAILROAD, OR OTHER	
POINT OF CHANGE FROM COMPOUND SPIRAL TO SECOND CIRCULAR CURVE POINT OF CHANGE FROM ONE SPIRAL TO ANOTHER POINT OF CHANGE FROM SPIRAL TO TANGENT	L LB	LEFT POUND	—————	INSULATED RAIL JOINT - LEFT OR RIGHT RAIL	
T. SHORT TANGENT OF SPIRAL	LH	LEFT HAND		NON INOUT ATER ROLTER RAIL JOINT	
TANGENT DISTANCE FROM PC OR PT TO PI POINT OF CHANGE FROM TANGENT TO SPIRAL	MAX MIN	MAXIMUM MINIMUM		NON INSULATED BOLTED RAIL JOINT	
TANGENT DISTANCE FROM TS OR ST TO PI DESIGN VELOCITY IN MILES PER HOUR	MON MSL	MONUMENT MEAN SEA LEVEL		WHEEL DETECTOR BLOCKOUT	
TANGENT DISTANCE FROM TS TO SC OR ST TO CS	N NIC	NORTH NOT IN CONTRACT	<u> </u>	WELDED JOINT	
TANGENT OFFSET AT SC OR CS	No. NTS	NUMBER NOT TO SCALE		WELDED JOINT	
TOTAL CENTRAL ANGLE OF SPIRAL AND CIRCULAR CURVES CENTRAL ANGLE OF CIRCULAR CURVE		1.61 1.6 66/122		STATION EQUATION	
SUFFIX (1) AT THE SYMBOL DENOTES DATA FOR THE FIRST CIRCULAR CURVE OF A COMPOUND CURVE	OC OD	ON CENTER OUTSIDE DIAMETER	RA		
SUFFIX (2) SAME AS ABOVE - SECOND CIRCULAR CURVE CENTRAL ANGLE OF SPIRAL OR SPIRAL ANGLE	PF POL	POINT OF FROG	—O—	RAIL ANCHOR ASSEMBLY	
S CENTIVAL ANGLE OF SETIMAL ON SETIMAL ANGLE	PGL PO	PROFILE GRADE LINE POWER OPERATED		STANDARD RAIL	
	R	RADIUS, RIGHT		EMERGENCY GUARDRAIL	
	REF REINF	REFERENCE REINFORCE, REINFORCING, REINFORCEMENT		EMERGENOT GOARDINALE	
VERTICAL ALIGNMENT	REQD RH	REQUIRED RIGHT HAND		HIGH STRENGTH RAIL	
EL ELEVATION	S	SOUTH			
Ea ACTUAL TRACK SUPERELEVATION IN INCHES EU UNBALANCED TRACK SUPERELEVATION IN INCHES	STA STD	STATION STANDARD		RESTRAINING RAIL - INSIDE RAIL	
IPT HIGH POINT VC LENGTH OF VERTICAL CURVE (PVC TO PVT) PT LOW POINT	SW SS	SWITCH SPRING SWITCH		RESTRAINING RAIL - BOTH RAILS	
10 MIDDLE ORDINATE	T/F	TOE OF FROG TOP OF GROUNDLINE			
OVC POINT ON VERTICAL CURVE OVT POINT ON VERTICAL TANGENT VC POINT OF VERTICAL CURVE	T/G TO T/P	TURNOUT		PRECURVED RAIL	
VCC POINT OF VERTICAL COMPOUND CURVE VI POINT OF VERTICAL INTERSECTION OF TWO VERTICAL TANGENTS	TOR	TOP OF PAVEMENT TOP OF RAIL TRACK		STANDARD RAIL	
PVRC POINT OF REVERSE VERTICAL CURVE PVT POINT OF VERTICAL TANGENT	TRK TYP	TRACK TYPICAL			
C VERTICAL CURVE	UIC	UNION INTERNATIONALE DES CHEMINS DE FER (INTERNATIONAL UNION OF RAILWAYS CODE)			
	VAR	VARIABLE			
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8/2019 REVISED - CIVIL DIRECTIVE AND STANDARD DWGS				T SOUNDIKANSII RTA/L	/LR - ABBREVIATIONS, SYMBOLS & GENERAL NOTES SHEET No.:
6/2013 NEW - CIVIL DIRECTIVE AND STANDARD DWGS	APPROVED BY:	SUBMITTED BY: DAT	E: REVIEWED BY:	DATE: DATE: 2/2024	



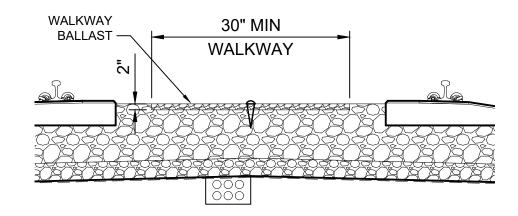


SUPERELEVATED BALLASTED TRACK SECTION

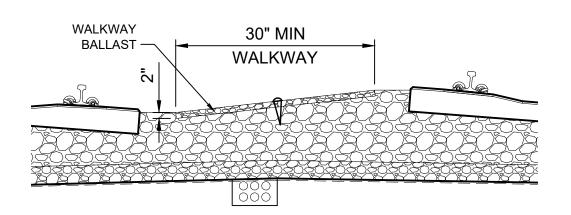
NTS

GENERAL NOTES:

- 1. SEE DRAWING GUI-KAX061 FOR TRACK CENTER SPACING REQUIREMENTS.
- 2. AT DESIGNATED WALKWAY, WALKWAY BALLAST SHALL BE PLACED MINIMUM OF 12" FROM END OF CONCRETE TIE.
- 3. 12" BALLAST SHOULDER MINIMUM.
- 4. DUCTBANK/ CONDUIT LOCATION VARIES. SEE STANDARD SYSTEM PLANS AND CONTRACT DRAWINGS FOR DETAILS.
- 5. FOR CONCRETE TIE DETAILS SEE STD-KAD050.
- 6. FOR FENCE AND RAILING SEE CONTRACT DRAWING FOR TYPE AND HEIGHT.
- 7. FOR BALLAST CURB AND WALLS DETAILS SEE STANDARD PLANS AND CONTRACT DRAWINGS.
- 8. SEE CONTRACT DRAWINGS FOR LIMITS OF GEOMEMBRANE.
- 9. FOR WALKWAY AND CROSSING DETAILS SEE GUIDANCE DRAWING STD-KAD066 AND STD-KAD070.
- 10. YELLOW CENTERLINE WALKWAY MARKER EQUALLY SPACED BETWEEN OCS POLES. MAXIMUM SPACING IS 50 FEET BETWEEN MARKERS.
- 11.NO. 5 BALLAST IS REQUIRED WITHIN THE LIMITS OF WALKWAY. WHERE NO WALKWAY IS PRESENT, USE NO. 4 BALLAST.



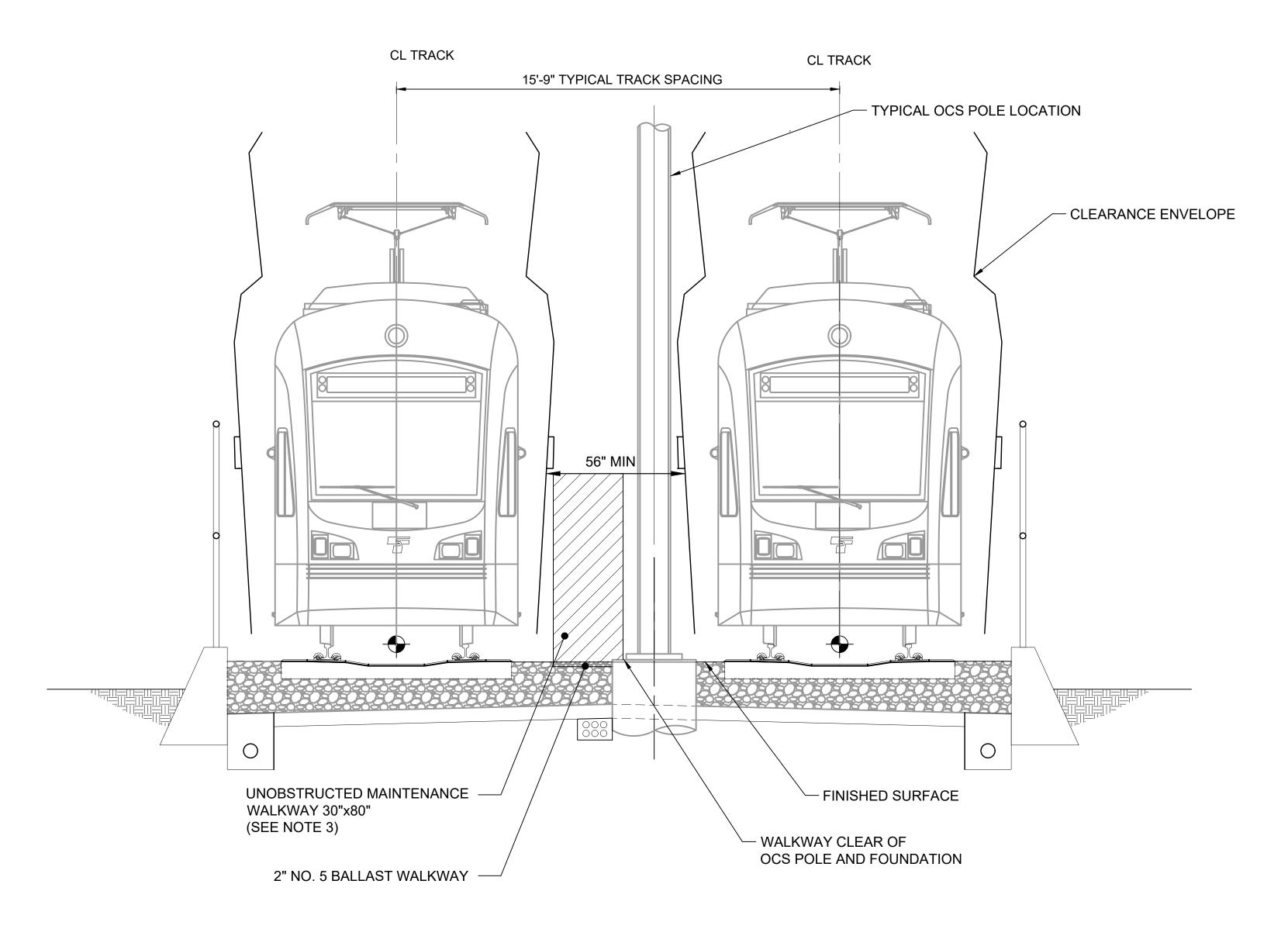
ALTERNATE TANGENT DOUBLE TRACK WALKWAY NTS



ALTERNATE SUPERELEVATED BALLASTED TRACK SECTION

NTS

		$\Gamma_{\rm m}$	SOUND TRANSIT GUIDANCE DRAWINGS	GUI-KAX060
1 HARRIS	2/2024	GUI-KAX060	TRACKWORK	FACILITY ID:
1 1	8/2019	8/2019 REVISED - CIVIL DIRECTIVE AND STANDARD DWGS	BALLASTED DOUBLE MAIN TRACK TYPICAL SECTIONS	SHEET No.: REV:
SU.S No.	6/2013 DATE	6/2013 NEW - CIVIL, ARCH SYSTEMS GUIDANCE DWGS APPROVED BY: DATE:		2



GENERAL NOTES:

- THE TYPICAL MAINLINE TRACK SPACING IS 15'-9". TRACK SPACING MAY VARY DEPENDING UPON PROJECT SPECIFIC CONDITIONS. THE DESIGNER OF RECORD SHALL DEMONSTRATE THE FOLLOWING MINIMUM CONDITIONS ARE MET.
 - THE MAINTENANCE WALKWAY AND OBSTRUCTIONS SHALL NOT INTRUDE INTO THE CLEARANCE ENVELOPE.
 - THE MINIMUM DIMENSION BETWEEN LRV CLEARANCE ENVELOPES, AS MEASURED AT 80" ABOVE THE FINISHED SURFACE, SHALL BE 56 INCHES.
- 2. TYPICAL SECTION DIMENSION AND CLEARANCE REQUIREMENTS APPLY TO ALL TRACK TYPES: BALLASTED, EMBEDDED AND DIRECT FIXATION.
- 3. EMERGENCY EGRESS LOCATION SHALL COINCIDE WITH THE MAINTENANCE WALKWAY. THE MAINTENANCE WALKWAY MUST MEET THE MINIMUM REQUIREMENTS FOR EMERGENCY EGRESS AS DEFINED IN THE SOUND TRANSIT REQUIREMENTS MANUAL.

LIGHT RAIL GUIDEWAY SECTION

DESIGNED BY: RAWING No.: **SOUND TRANSIT GUI-KAX061 GUIDANCE DRAWINGS** FILENAME: DRAWN BY: TRACKWORK GUI-KAX061 FACILITY ID: 2/2024 2024 REVISED GUIDANCE DRAWINGS CHECKED BY: SoundTransit CONTRACT No.: TYPICAL GUIDEWAY SECTIONS 8/2019 REVISED - CIVIL DIRECTIVE AND STANDARD DWGS SHEET No.: APPROVED BY: NEW - CIVIL DIRECTIVE AND STANDARD DWGS SUBMITTED BY: 6/2013 REVIEWED BY: 2/2024

GENERAL NOTES: 1. SEE CONTRACT DRAWINGS FOR WALL TYPE, LOCATION, AND DETAILS. 2. THE FIRST LAYER OF MSE SOIL REINFORCEMENT SHALL BE PLACED BELOW THE TRACK DRAINAGE. 17' -0" CONCRETE TIE — CONCRETE TIE -BALLAST -- WALL DRAIN **FINISHED** BALLAST -SUBBALLAST -PER CONTRACT DRAWING GRADE 2' -0" 2' -0" SUBBALLAST (MIN) 3' -4"(MIN) DITCH TYP **CONCRETE TIE** - FINISHED GRADE TRACK UNDERDRAIN TRACK UNDERDRAIN -SEE DWG GUI-KAD080 SEE DWG GUI-KAD080 TYPE A: BALLAST CURB TYPE 1 / - BALLAST - DRAINAGE DITCH - SUBBALLAST TYPE E CONCRETE TIE BALLAST - CONCRETE TIE - SUBBALLAST - BALLAST CONCRETE TIE SUBBALLAST - BALLAST - SUBBALLAST TRACK UNDERDRAIN SEE DWG GUI-KAD080 - SEE NOTE 2 - TRACK UNDERDRAIN SEE DWG GUI-KAD080 FINISHED GRADE FINISHED GRADE TRACK UNDERDRAIN - WALL DRAIN SEE DWG GUI-KAD080 PER CONTRACT DRAWING WALL DRAINPER CONTRACT DRAWINGS TYPE D: MSE WALL TYPE F: CIP FILL WALL 6 DESIGNED BY: RAWING No.:

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DATE:

REVIEWED BY:

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FILENAME:
GUI-KAX065
CONTRACT No.:
RTA/LR -

2/2024

SOUND TRANSIT GUIDANCE DRAWINGS TRACKWORK

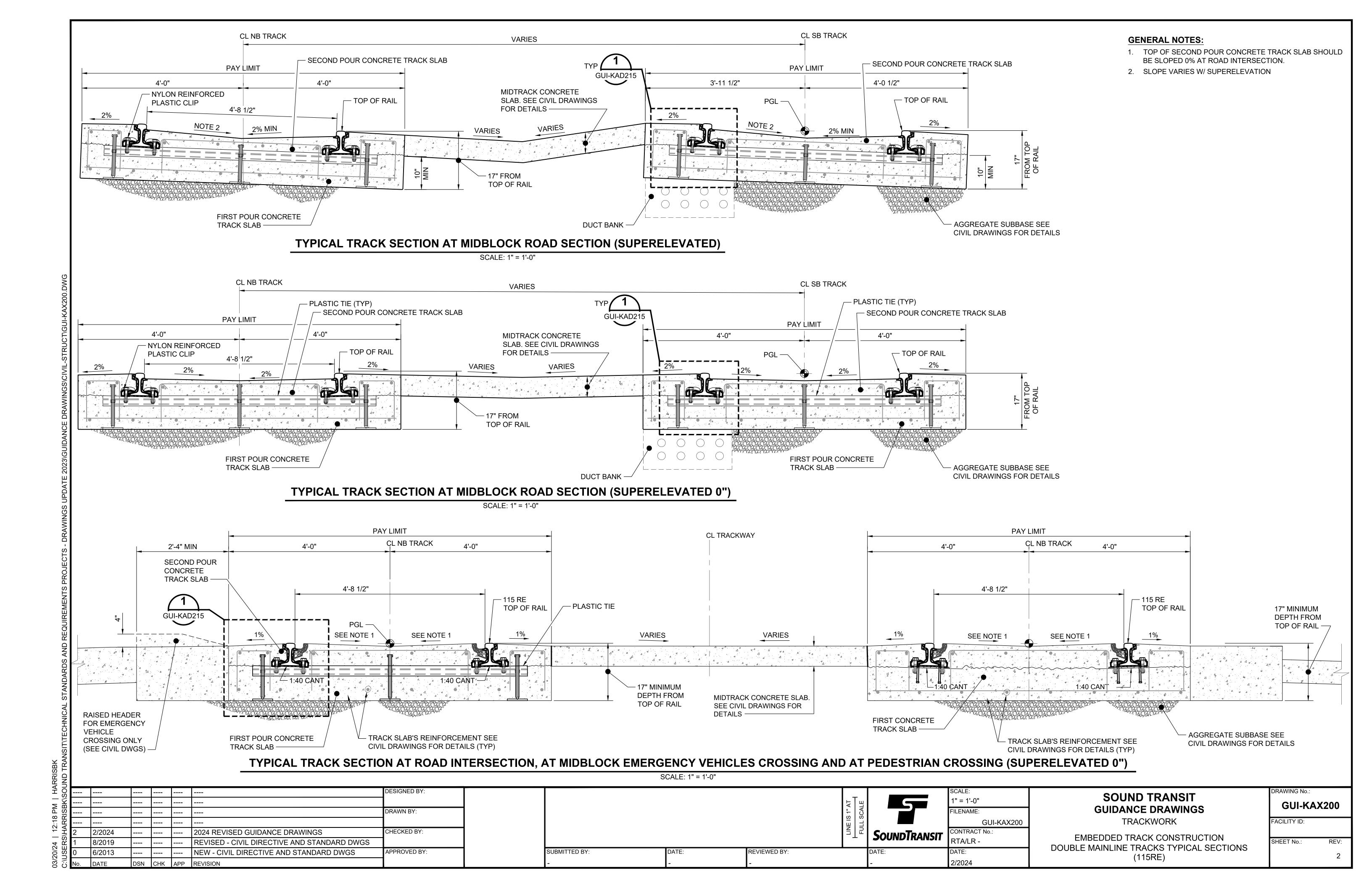
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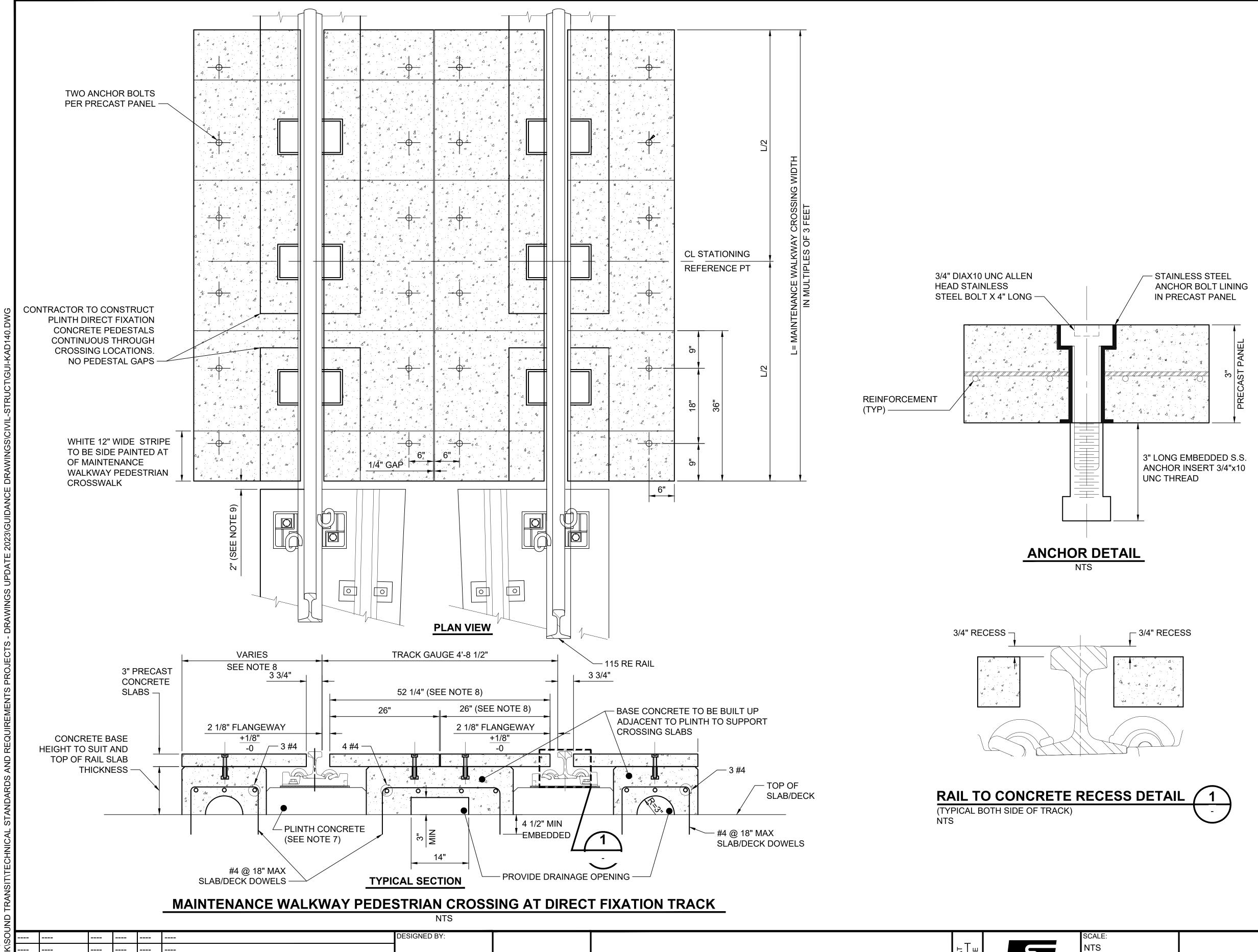
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BALLASTED TRACK TYPICAL SECTION DETAILS

ET No.: REV

GUI-KAX065





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DRAWN BY:

CHECKED BY:

APPROVED BY:

2024 REVISED GUIDANCE DRAWINGS

REVISED - CIVIL DIRECTIVE AND STANDARD DWGS

NEW - CIVIL, ARCH, SYSTEMS GUIDANCE DWGS

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SOUND TRANSIT GUIDANCE DRAWINGS

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REVIEWED BY:

CONTRACT No.:

GUI-KAD140

GENERAL NOTES:

OTHER CABLES.

STD-KAD120 TO STD-KAD128.

1. FASTENER SPACING 30" ON TANGENT STATION TRACK.

SEGMENTS SHALL BE 4, 5 OR 6 FASTENER LENGTHS.

OTHER GAPS IN PLINTH SHALL BE LOCATED AS REQUIRED FOR

STRUCTURAL JOINTS, DRAINAGE AND PASSAGE OF SIGNAL OR

MAINTENANCE WALKWAY PEDESTRIAN CROSSING LOCATION.

CONTRACTOR (UNIFORM LL=100PSF). SURFACE FINISH SHALL

6. PRECAST CONCRETE PANELS SHALL BE DESIGNED BY THE

MATCH FINISH AND COLOR OF STATION WALKWAY AREA.

INSTALLATION OF RESTRAINING RAILS BETWEEN RUNNING RAILS. FIELD PANEL SURFACE AREA VARIES DEPENDING ON

CROSSING INSTALLATION BETWEEN TRACKS. FOR LOCATION

EMERGENCY GAURD RAIL MUST BE INTERRUPTED 2" FROM THE

7. SEE DIRECT FIXATION TRACK INSTALLATION DRAWING

8. CENTER PANEL SURFACE AREA VARIES DEPENDING ON

LOCATION OF MAINTENANCE WALKWAY PEDESTRIAN

AND LIMITS OF MAINTENANCE WALKWAY PEDESTRIAN

ENDS OF THE PEDESTRIAN CROSSING PANEL.

CROSSING INSTALLATION SEE TRACK CHART DRAWINGS.

3. PLINTH SHALL NOT OVERLAP ANY STRUCTURAL JOINTS.

2. PLINTH CONCRETE SHALL BE PLACED IN SEGMENTS.

5. PLINTH GAPS SHALL NOT BE LOCATED WITHIN THE

TRACKWORK

DIRECT FIXATION TRACK CONSTRUCTION MAINTENANCE WALKWAY PEDESTRIAN CROSSING PRECAST CONCRETE PANEL

GUI-KAD140 FACILITY ID:

RAWING No.:

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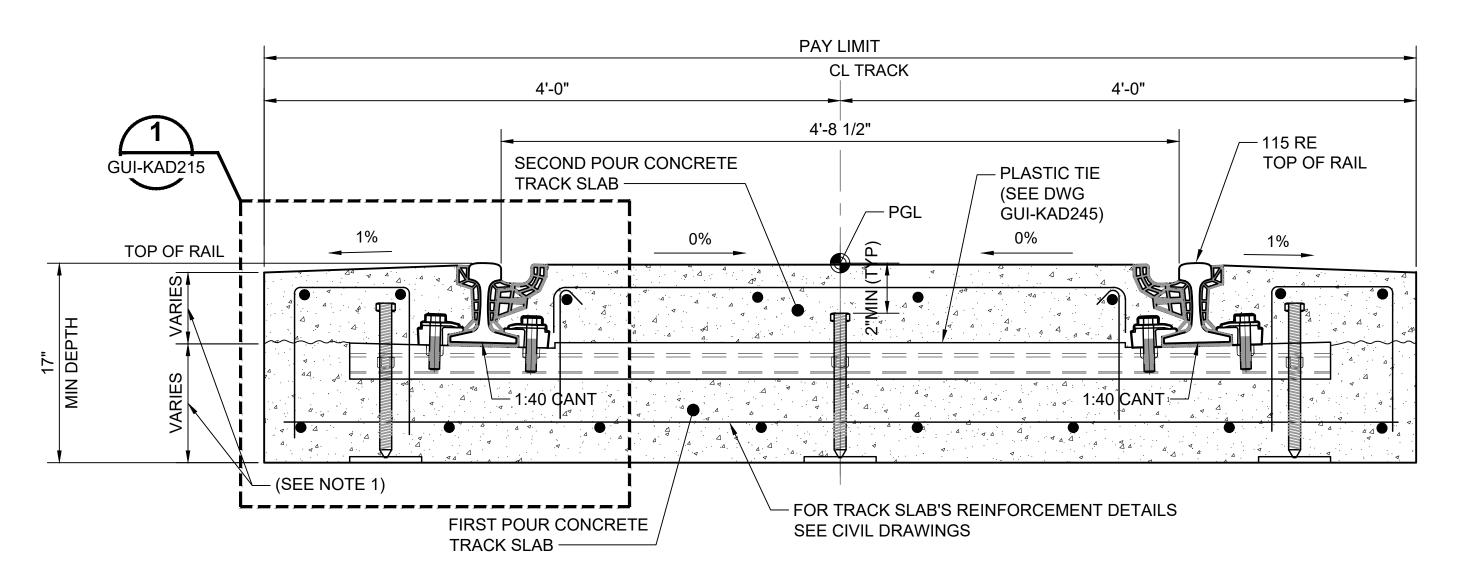
8'-0" TRACK SLAB

4'-8 1/2"

	BILL OF MATERIAL							
ITEM	DESCRIPTION	QUANTITY						
1	115 RE RAIL	AS REQUIRED						
2	115 RE RAIL BOOT	AS REQUIRED						
3	RUBBER FLANGEWAY FORMER	AS REQUIRED						
4	CONCRETE SLAB INCLUDING REINFORCING STEEL (1ST AND 2ND POUR)	AS REQUIRED						
5	ANCHOR PLATES (SEE DWG GUI-KAD245)	4 OR 2 BETWEEN BEAMS						
6	PLASTIC TIE (SEE DWG GUI-KAD245)	10' CTRS (OR LESS)						
7	PLASTIC CLIPS COMPLETE WITH BOLTS, STEEL WASHER AND PLASTIC SHEET COVER	4/BEAM, 2/ANCHOR PLATE						
8	BINDER CLIPS	AS REQUIRED						

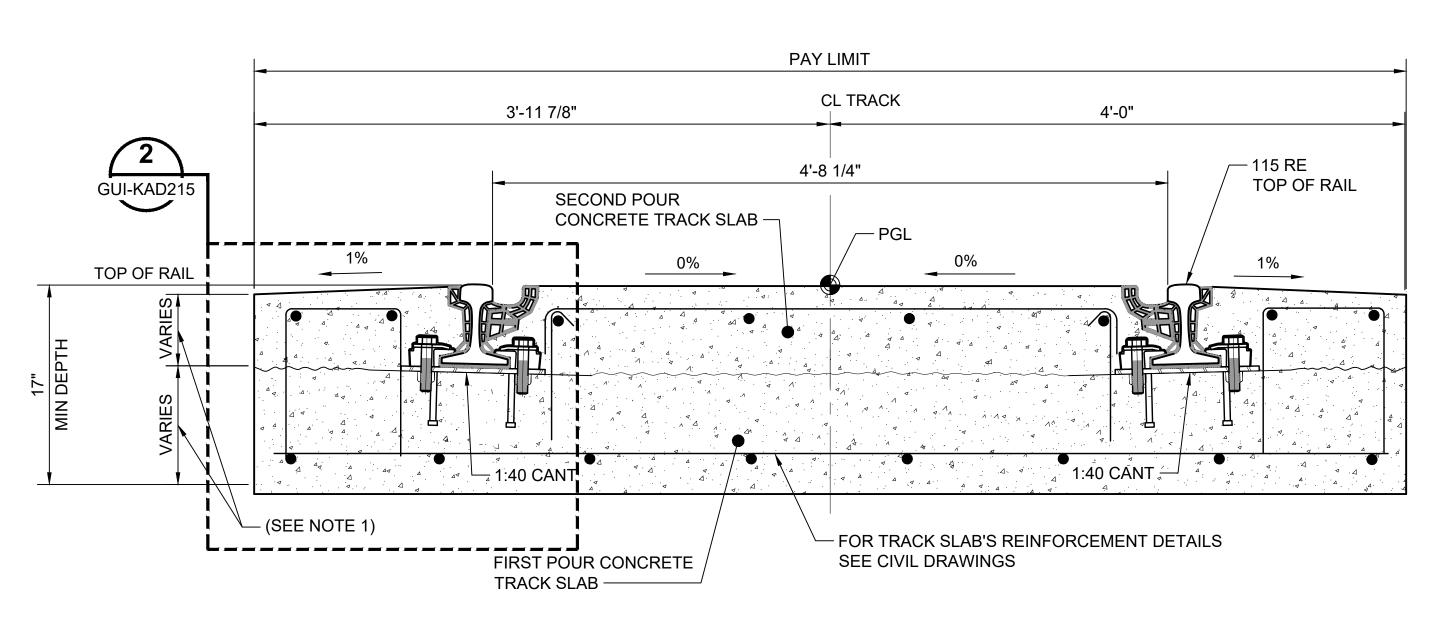
GENERAL NOTE:

 FOR TRACK SLAB CONSTRUCTION GENERAL NOTES SEE DWG GUI-KAD220.



TYPICAL SECTION AT ROAD INTERSECTION

SCALE: 1 1/2" = 1'-0"



TYPICAL SECTION AT ROAD INTERSECTION

SCALE: 1 1/2" = 1'-0"

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DATE:	REVIEWED BY:		DATE:	DATE:
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SUBMITTED BY:

SOUND TRANSIT GUIDANCE DRAWINGS TRACKWORK

EMBEDDED TRACK CONSTRUCTION
TYPICAL TRACK SECTIONS ROAD INTERSECTIONS
(115RE)

DRAWING No
GUI-KAD210
FACILITY ID:

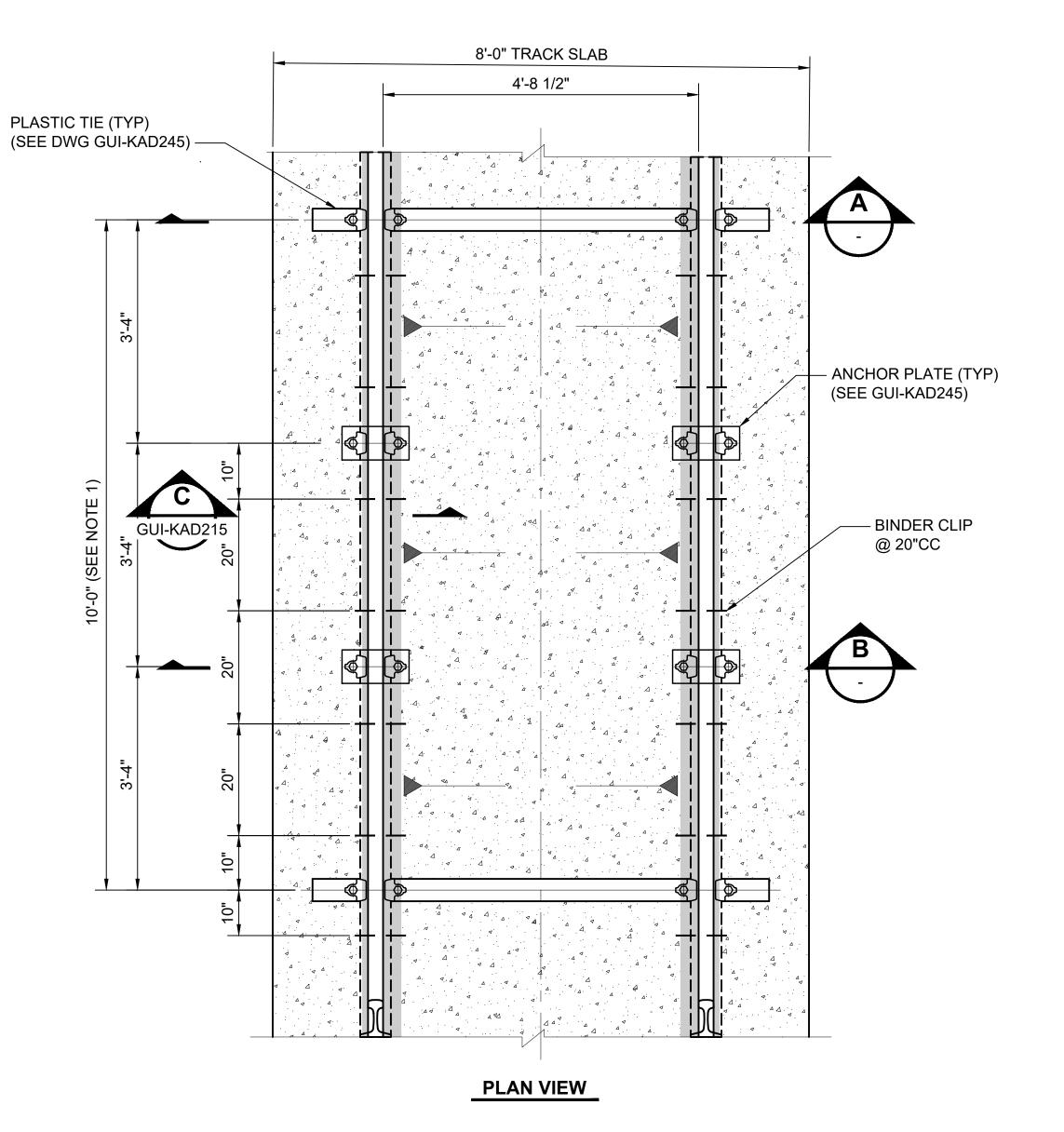
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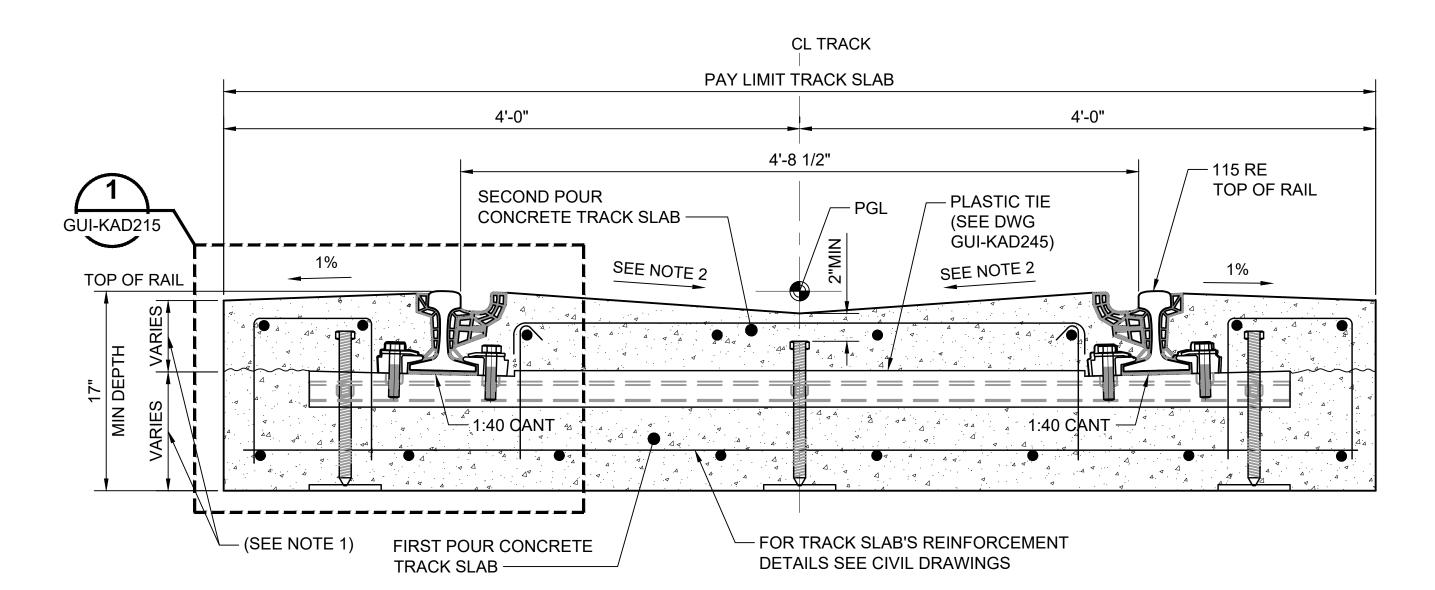
GENERAL NOTES:

- 1. FOR TRACK SLAB CONSTRUCTION GENERAL NOTES SEE DWG GUI-KAD220.
- 2. TOP OF SECOND POUR CONCRETE TRACK SLAB CROSS-SLOPE PER CIVIL DRAWING.

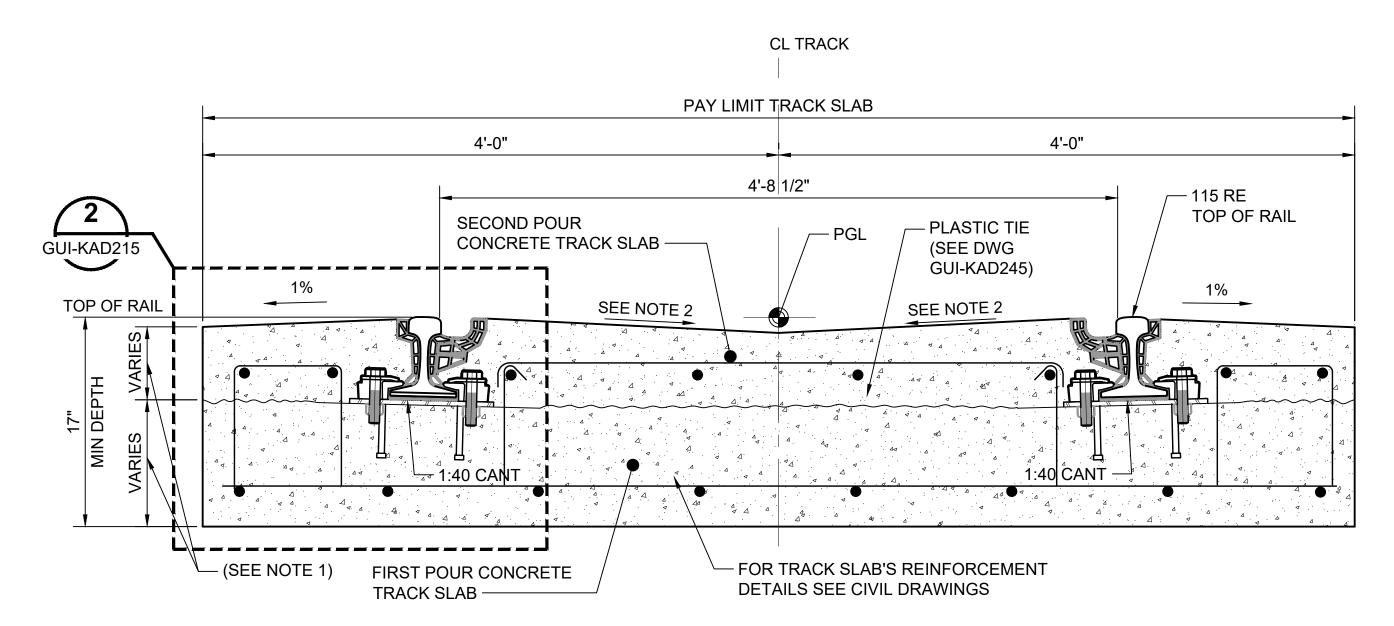


115 RE EMBEDDED TRACK INSTALLATION AT **EMERGENCY VEHICLES CROSSING AND AT PEDESTRIAN CROSSING** SCALE: 3/4" = 1'-0"

BILL OF MATERIAL ITEM **DESCRIPTION QUANTITY** 115 RE RAIL AS REQUIRED 115 RE RAIL BOOT AS REQUIRED RUBBER FLANGEWAY FORMER AS REQUIRED CONCRETE SLAB INCLUDING REINFORCING STEEL (1ST AS REQUIRED AND 2ND POUR) ANCHOR PLATES (SEE DWG GUI-KAD245) 4 OR 2 BETWEEN BEAMS PLASTIC TIE (SEE DWG GUI-KAD245) 10' CTRS (OR LESS) 4/BEAM, 2/ANCHOR PLATE PLASTIC CLIPS W/ STEEL WASHER BINDER CLIPS AS REQUIRED







TYPICAL SECTION - TANGENT TRACK AT ANCHOR PLATES SCALE: 1 1/2" = 1'-0"

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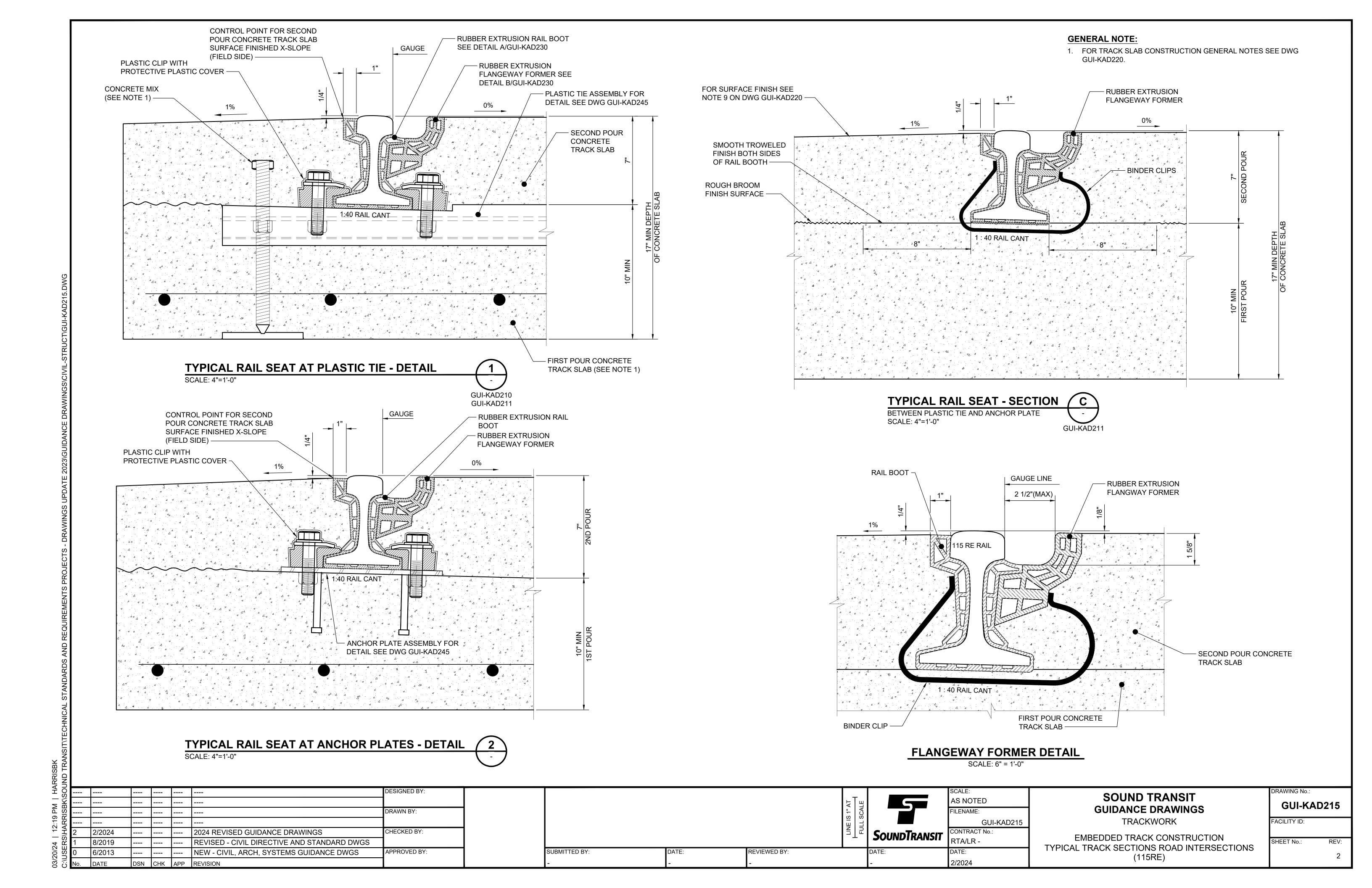
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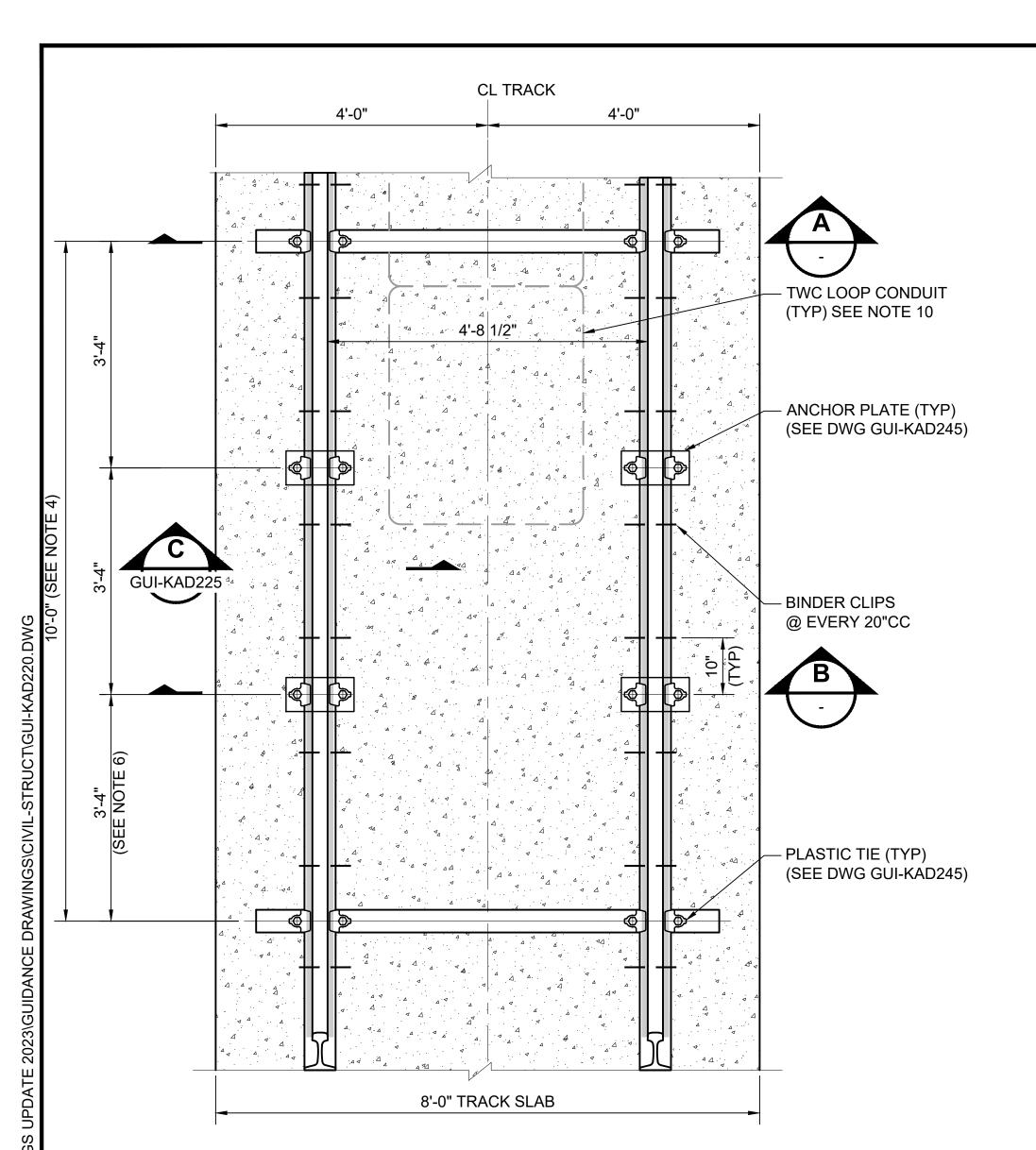
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SOUND TRANSIT
GUIDANCE DRAWINGS
TRACKWORK

EMBEDDED TRACK CONSTRUCTION TYPICAL TRACK SECTION EMERGENCY VEHICLES & PEDESTRIAN CROSSINGS (115RE)

DRAWING No.:	•
GUI-KAD211	
FACILITY ID:	





PLAN VIEW

115 RE EMBEDDED TRACK INSTALLATION MID-BLOCK ROAD SECTION

SCALE: 3/4" = 1'-0"

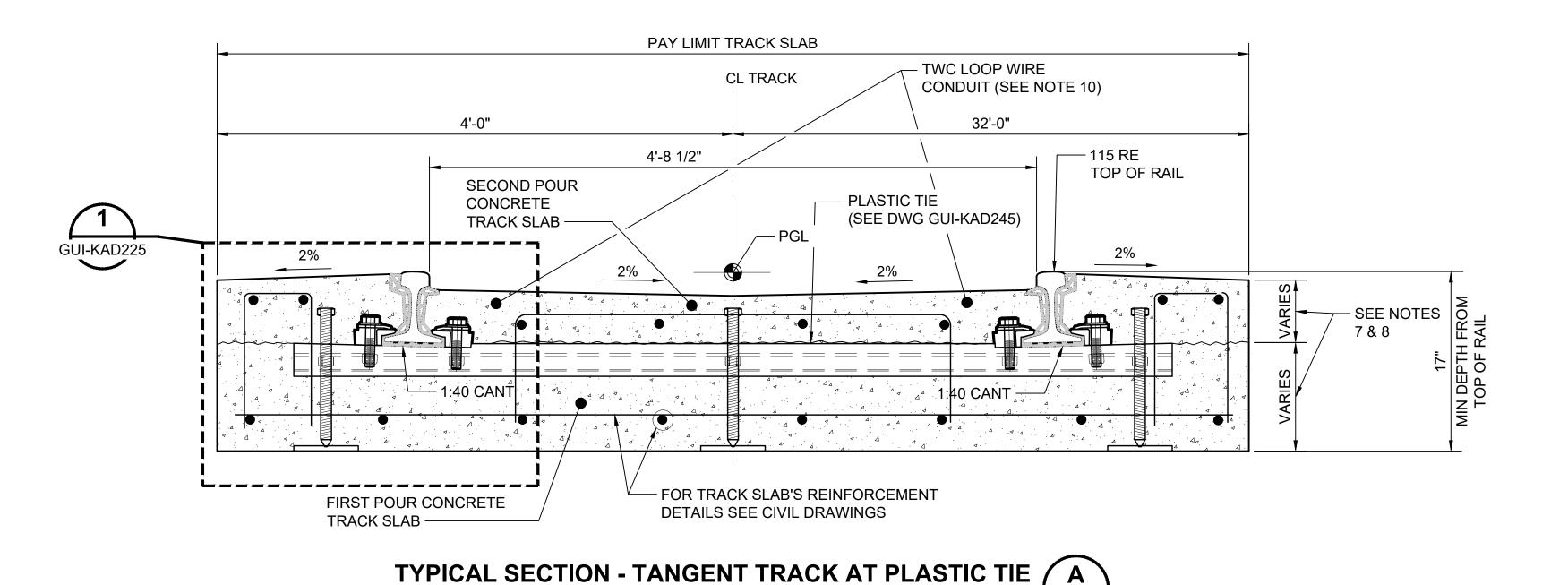
BILL OF MATERIAL						
ITEM	DESCRIPTION	QUANTITY				
1	115 RE RAIL	AS REQUIRED				
2	115 RE RAIL BOOT	AS REQUIRED				
3	CONCRETE SLAB INCLUDING REINFORCING STEEL (1ST AND 2ND POUR)	AS REQUIRED				
4	ANCHOR PLATES (SEE DWG GUI-KAD245)	4 OR 2 BETWEEN TIES (SEE NOTE 6)				
5	PLASTIC TIE (SEE DWG GUI-KAD245)	10' CTRS (OR LESS) (SEE NOTE 4)				
6	PLASTIC CLIP COMPLETE W/ BOLTS STEEL WASHER AND PLASTIC SHEET COVER	4/BEAM, 2/ANCHOR PLATE				
7	BINDER CLIPS	@ EVERY 20" CC				

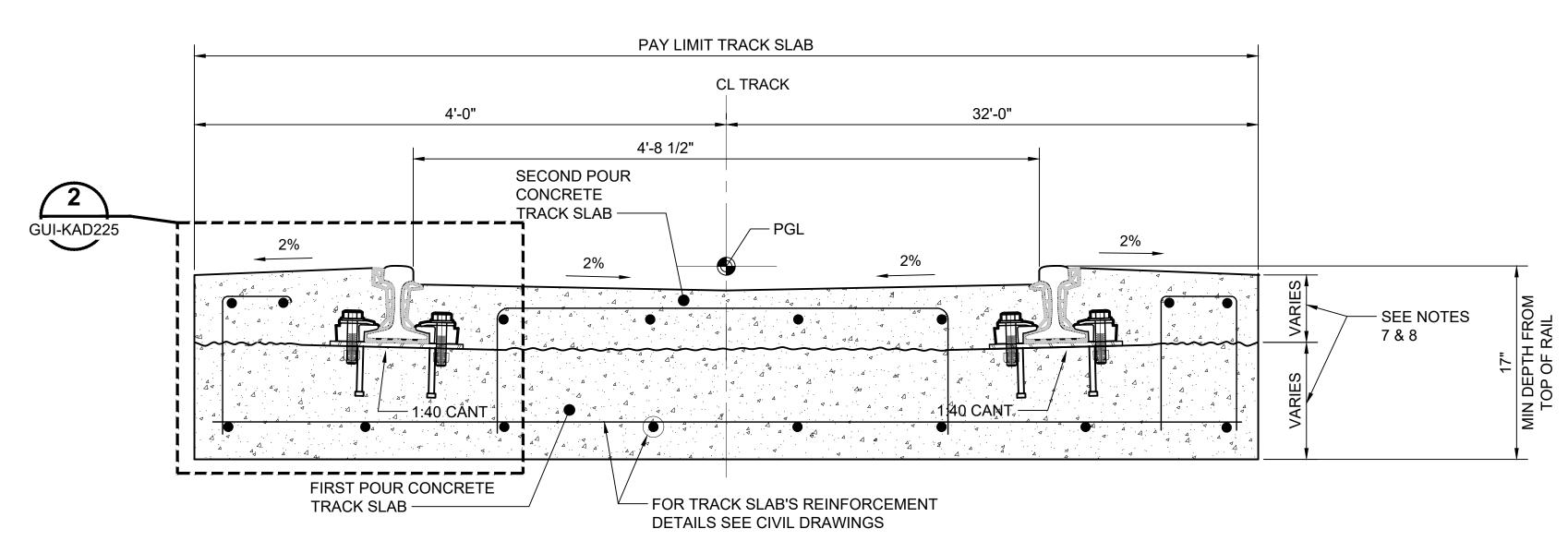
GENERAL NOTES:

- 1. CONTROL POINTS FOR PROFILE GRADE IS SET TO TOP OF LOW RAIL ELEVATION.
- 2. RAIL WELDS SHALL NOT BE MADE LESS THAN 3" FROM THE EDGE OF ANCHOR PLATE OR PLASTIC BEAM.
- 3. CONCRETE MIX SHALL BE 5000 PSI. REINFORCING SHALL BE GRADE 60 ASTM A615 DEFORMED BARS.
- 4. PLASTIC TIES ARE TO BE SPACED AT 10'-0" O.C. IN TANGENT AND FOR CURVES > 500' RADIUS. SPACING SHALL BE 5'-0" O.C. BEGINNING 10' PRIOR TO TS AND ENDING 10' AFTER ST FOR CURVES ≤ 500.
- 5. GRADING TRANSITION OF INFILL CONCRETE AT CROSSWALKS FOR SURFACE FLATS TO VALLEY PROFILE SHALL BE MADE OVER A DISTANCE OF 5'-0" OR TO THE DRAIN WHICHEVER IS CLOSEST.

SCALE: 1 1/2" = 1'-0"

- 6. TWO PAIRS OF ANCHOR PLATES ARE TO BE SPACED (3.33') BETWEEN PLASTIC TIES IN TANGENT TRACK AND FOR CURVES GREATER THEN 500' RADIUS. FOR CURVED TRACKS WITH RADIUS LESS THAN OR EQUAL TO 500' RADIUS, SPACE ONE PAIR OF ANCHOR PLATES BETWEEN PLASTIC TIES.
- 7. FIRST POUR CONCRETE BASE SLAB SHALL BE AT TOP OF PLASTIC TIE AND SLIGHTLY RAISED TO BOTTOM OF RAIL BASE BOOT BETWEEN THE PLASTIC TIES TO LOCK THE RAIL IN PLACE.
- FIRST POUR CONCRETE BASE SLAB TO BE ROUGH BROOM FINISHED EXCEPT FOR SMOOTH TROWEL FINISH (8" WIDE) EITHER SIDE OF RAIL BOOT.
- 9. SECOND POUR CONCRETE TOP SLAB TO BE STAMPED OR COLORED AND SKID RESISTANT FINISH, FOR DETAILS SEE URBAN DESIGN DRAWINGS.
- 10. FOR LOCATION OF CONDUITS, STUB UP AND BLOCKOUTS FOR SYSTEM CONNECTIONS TO RAIL AND FOR TWC LOOP WIRES SEE DUCTBANK/CONDUIT, REQUIREMENTS DRAWINGS.
- 11. REINFORCING STEEL IN THE TRACK SLAB SHALL BE ELECTRICALLY BONDED AS INDICATED IN THE CORROSION CONTROL DRAWINGS.





TYPICAL SECTION - TANGENT TRACK AT ANCHOR PLATES SCALE: 1 1/2" = 1'-0"

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						DRAWN BY:
2	2/2024				2024 REVISED GUIDANCE DRAWINGS	CHECKED BY:
1	8/2019				REVISED - CIVIL DIRECTIVE AND STANDARD DWGS	
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No.	DATE	DSN	CHK	APP	REVISION	

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DATE:	DATE:	
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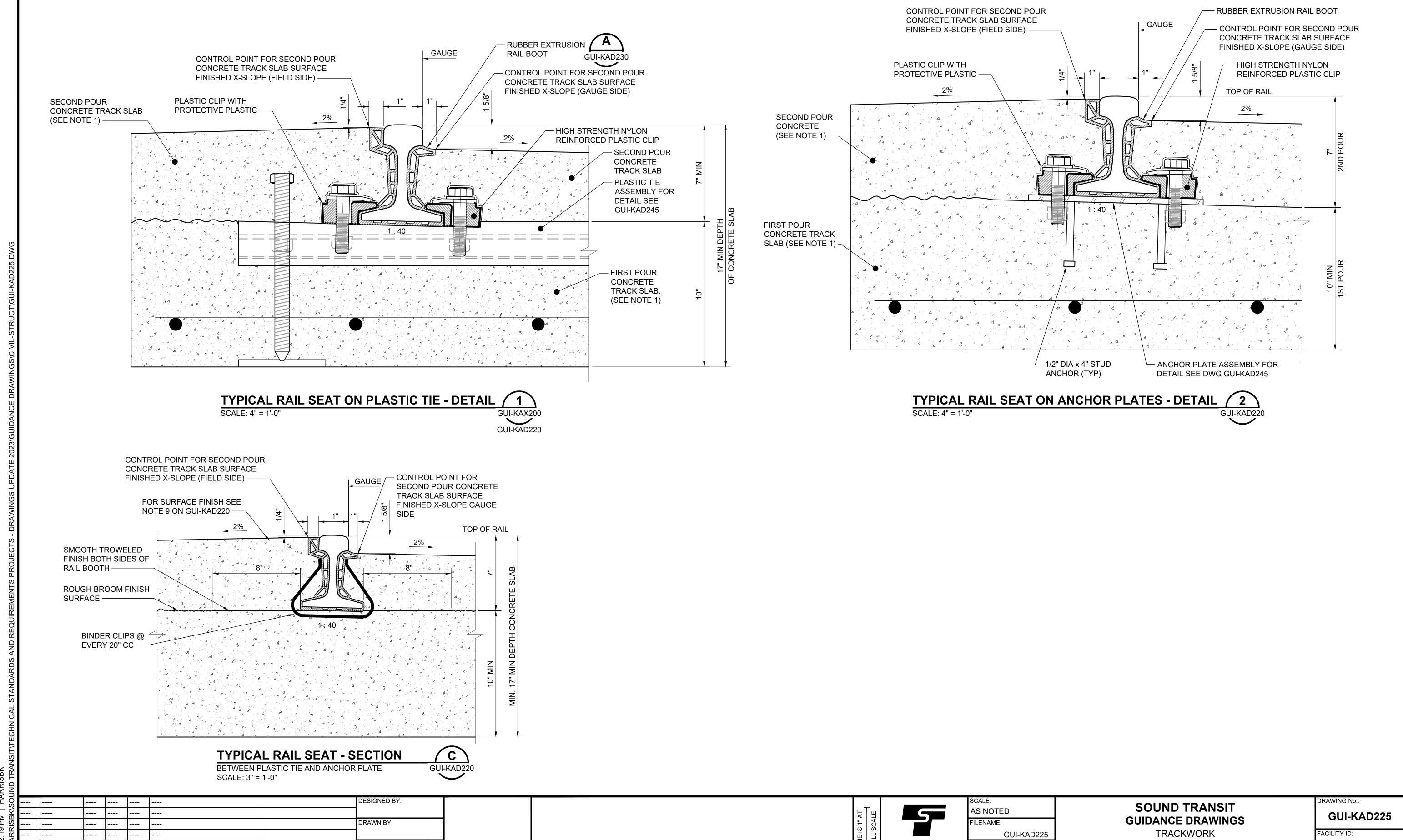
SOUND TRANSIT GUIDANCE DRAWINGS

TRACKWORK

EMBEDDED TRACK CONSTRUCTION
TYPICAL TRACK SECTIONS MIDBLOCK ROAD SECTION
(115RE)

GUI-KAD220
FACILITY ID:

RAWING No.:



2/2024

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6/2013

2024 REVISED GUIDANCE DRAWINGS

REVISED - CIVIL DIRECTIVE AND STANDARD DWGS

NEW - CIVIL, ARCH, SYSTEMS GUIDANCE DWGS

CHECKED BY:

APPROVED BY:

SUBMITTED BY:

SHEET No.:

EMBEDDED TRACK CONSTRUCTION

RAIL FIXATION DETAILS

(115RE)

GENERAL NOTE:

CONTRACT No.:

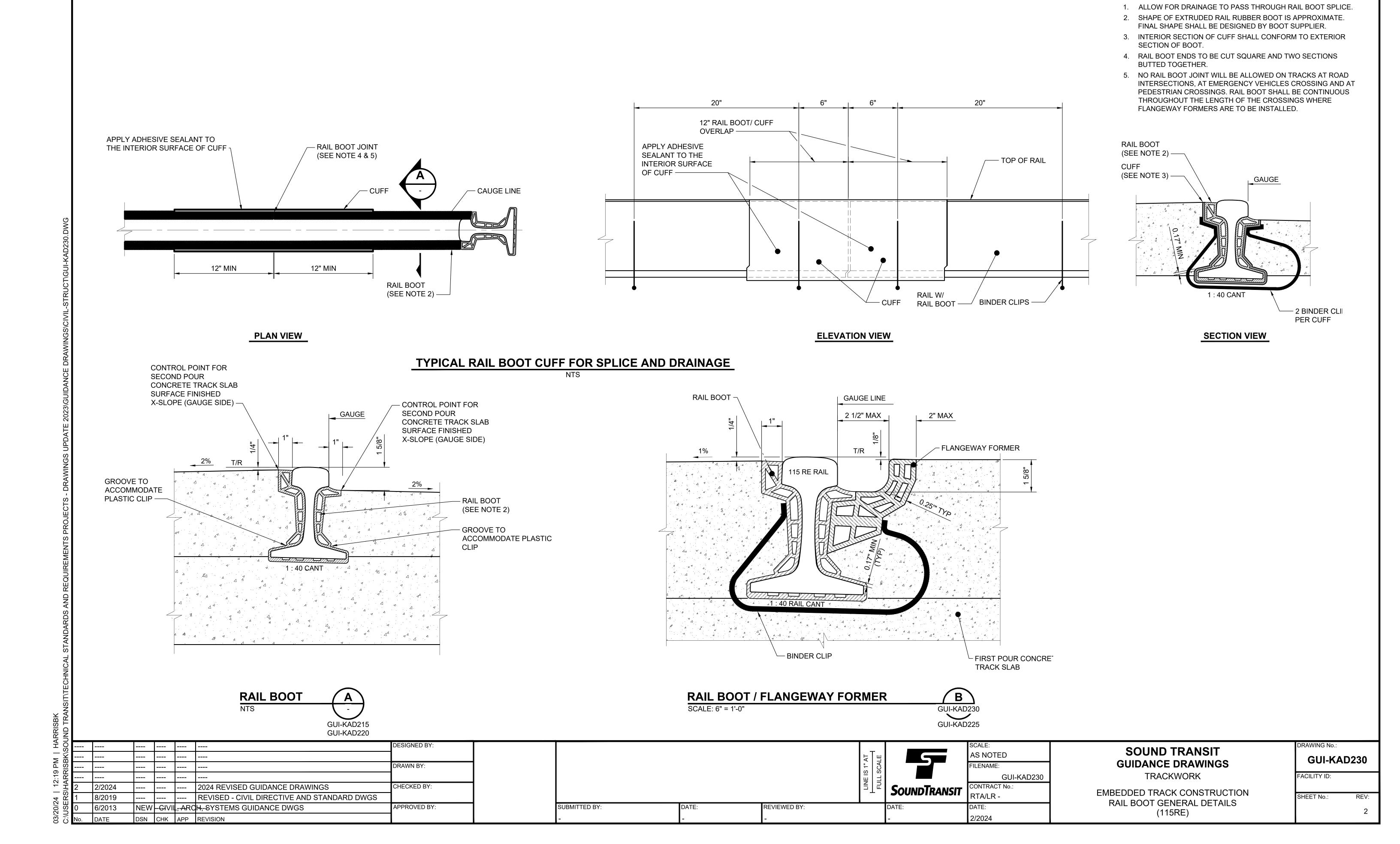
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2/2024

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REVIEWED BY:

1. FOR TRACK SLAB CONSTRUCTION GENERAL NOTES SEE DWG GUI-KAD220.



GENERAL NOTES:

	BILL OF MATERIAL						
ITEM	DESCRIPTION	QUANTITY					
1	115 RE TEE RAIL	AS REQUIRED					
2	FIRST POUR CONCRETE SLAB	AS REQUIRED					
3	SECOND POUR CONCRETE CEMENTITIOUS GROUT	AS REQUIRED					
4	THIRD POUR CONCRETE PAVEMENT INFILL	AS REQUIRED					
5	ANCHOR PLATES (3/4"x6"x12")	AS REQUIRED					
6	RAIL CLIPS	AS REQUIRED					
7	PROTECTIVE PLASTIC CAP	AS REQUIRED					
8	EPOXY GROUT	AS REQUIRED					
9	3/4" ANCHOR BOLT COMPLETE	AS REQUIRED					

4'-0"

GENERAL NOTES:

4'-0"

CONCRETE FORMED

FLANGEWAY —

- 1. CONTROL POINTS FOR PROFILE GRADE IS SET TO TOP OF LOW RAIL ELEVATION.
- 2. RAIL WELDS SHALL NOT BE MADE LESS THAN 3" FROM THE EDGE OF ANCHOR PLATE.
- 3. GRADING TRANSITION OF INFILL CONCRETE AT CROSSWALKS FOR SURFACE FLATS TO VALLEY PROFILE SHALL BE MADE OVER A DISTANCE OF 5'-0" OR TO THE DRAIN -WHICHEVER IS CLOSEST.
- 4. ANCHOR PLATES ARE TO BE SPACED AT EVERY 3'-4" C.C.

THIRD POUR

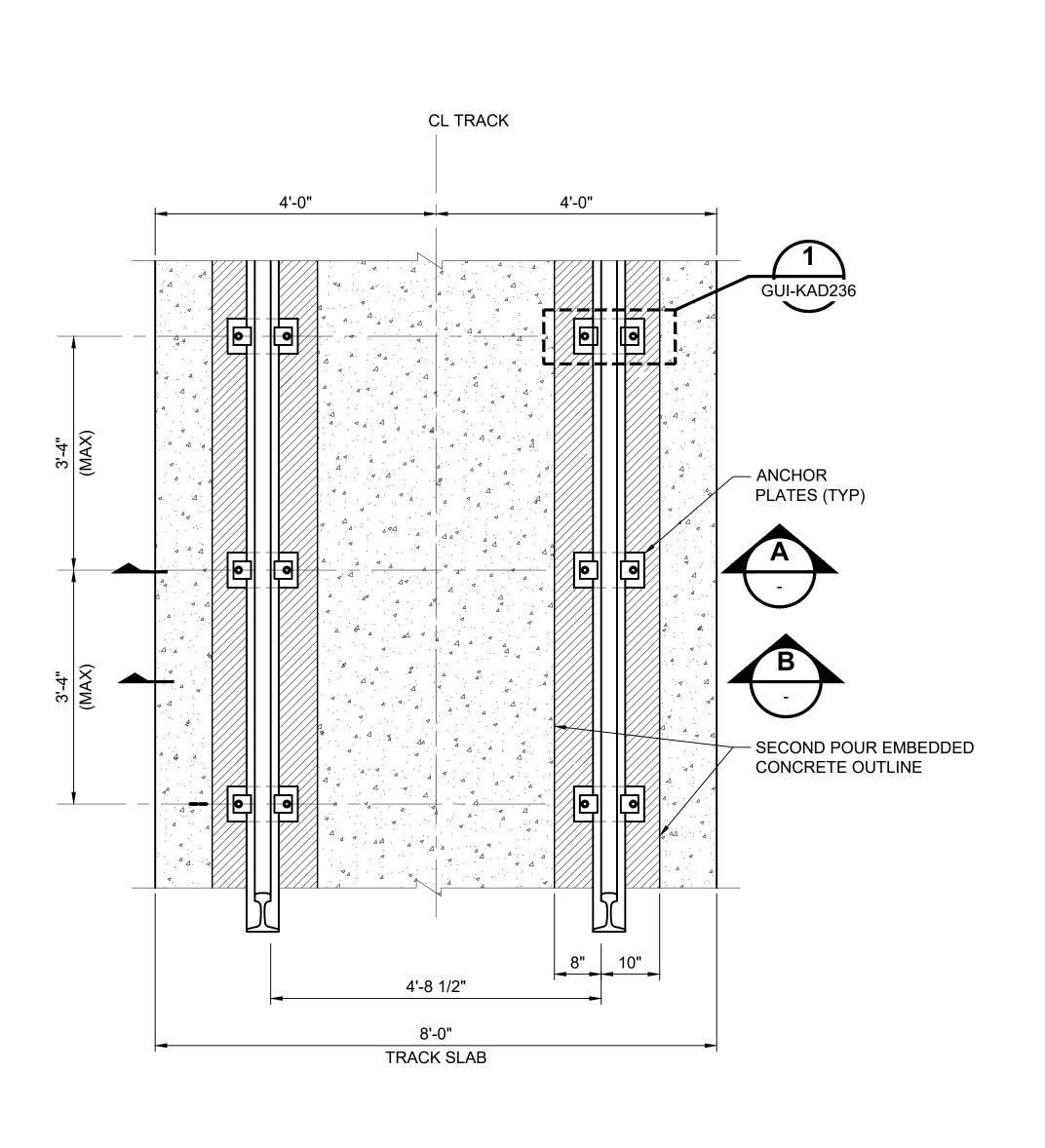
CONCRETE

PAVEMENT

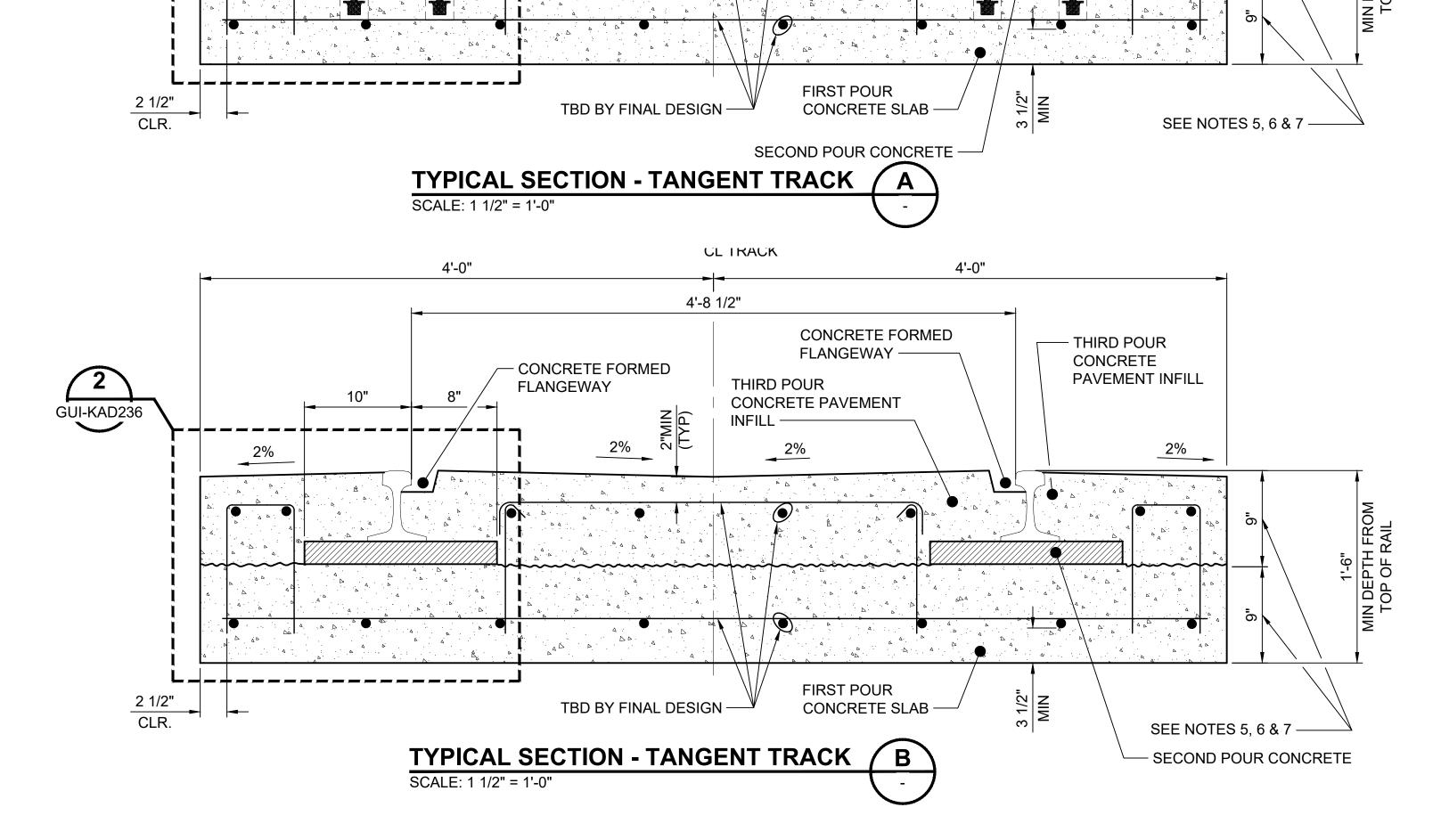
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INFILL

- 5. FIRST POUR CONCRETE SHALL BE 9" THICK, SECOND POUR CONCRETE SHALL BE AT TOP OF ANCHOR PLATES, AND SHALL BE JUST UNDER BASE OF RAIL AT LOCATION BETWEEN ANCHOR PLATES.
- 6. FIRST POUR CONCRETE BASE SLAB TO BE BROOM FINISHED EXCEPT FOR SMOOTH TROWEL FINISH (8" WIDE) EITHER SIDE OF THE RAIL.
- 7. THIRD POUR CONCRETE TOP SLAB FINISHED TO BE DETERMINED BY FINAL DESIGN.
- 8. FOR LOCATION OF CONDUITS, STUB UP AND BLOCK OUT FOR SYSTEM CONNECTIONS TO RAIL, SEE DUCTBANK/CONDUITS REQUIREMENT DRAWINGS.



NON-INSULATED TRACK INSTALLATION PLAN VIEW SCALE: 3/4" = 1'-0"



CL TRACK

THIRD POUR

2%

CONCRETE PAVEMENT

4'-8 1/2"

- CONCRETE FORMED

FLANGEWAY

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						DRAWN BY:
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1	8/2019				REVISED - CIVIL DIRECTIVE AND STANDARD DWGS	
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GUI-KAD236

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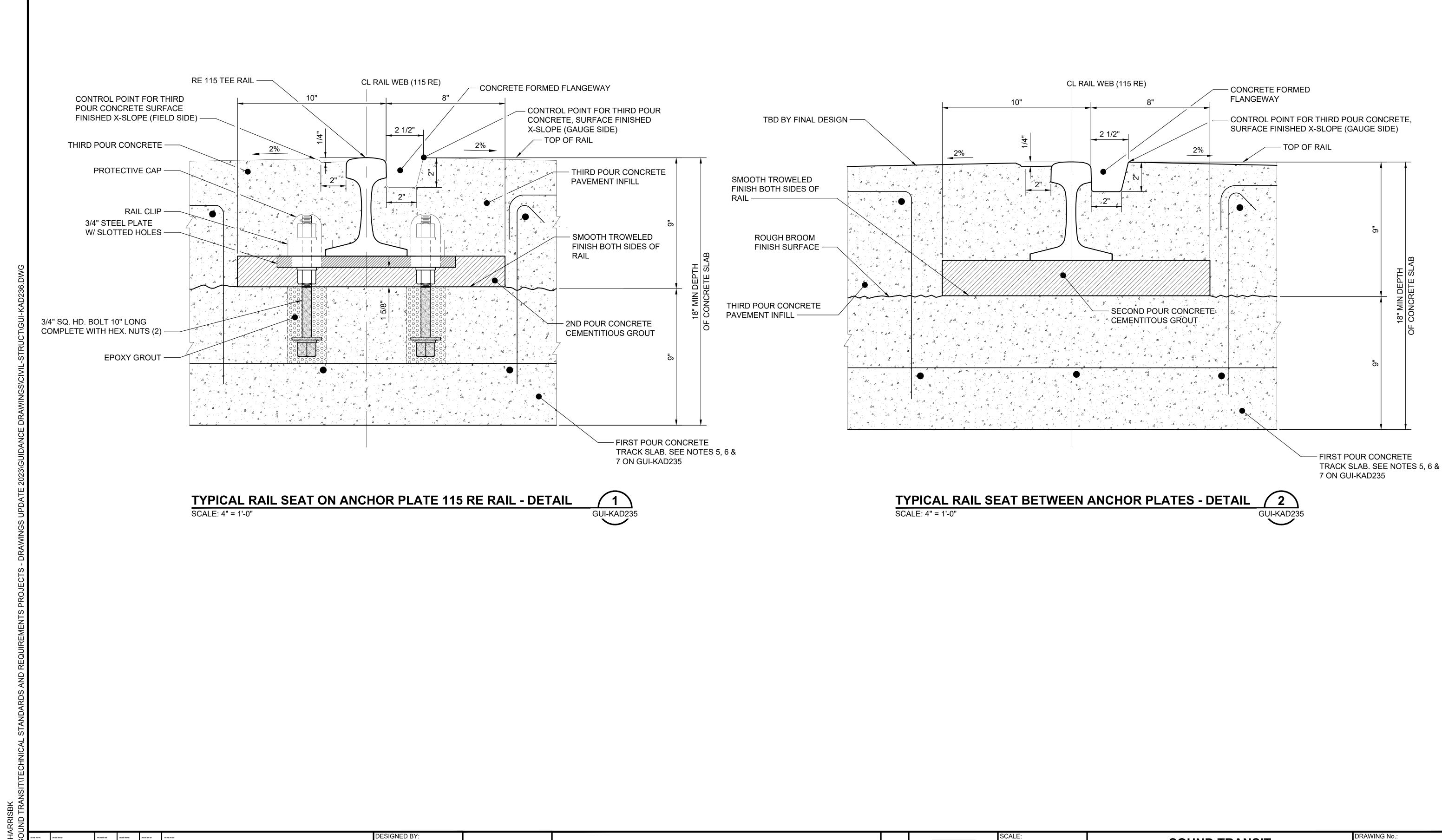
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SOUND TRANSIT GUIDANCE DRAWINGS TRACKWORK

RAWING No.: **GUI-KAD235** FACILITY ID:

EMBEDDED TRACK CONSTRUCTION TYPICAL NON-INSULATED TRACK RAIL FIXATION DETAIL



DRAWN BY:

CHECKED BY:

APPROVED BY:

SUBMITTED BY:

2024 REVISED GUIDANCE DRAWINGS

REVISED - CIVIL DIRECTIVE AND STANDARD DWGS

NEW - CIVIL, ARCH, SYSTEMS GUIDANCE DWGS

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EMBEDDED TRACK CONSTRUCTION TYPICAL NON-INSULATED TRACK RAIL FIXATION DETAIL

SOUND TRANSIT

GUIDANCE DRAWINGS

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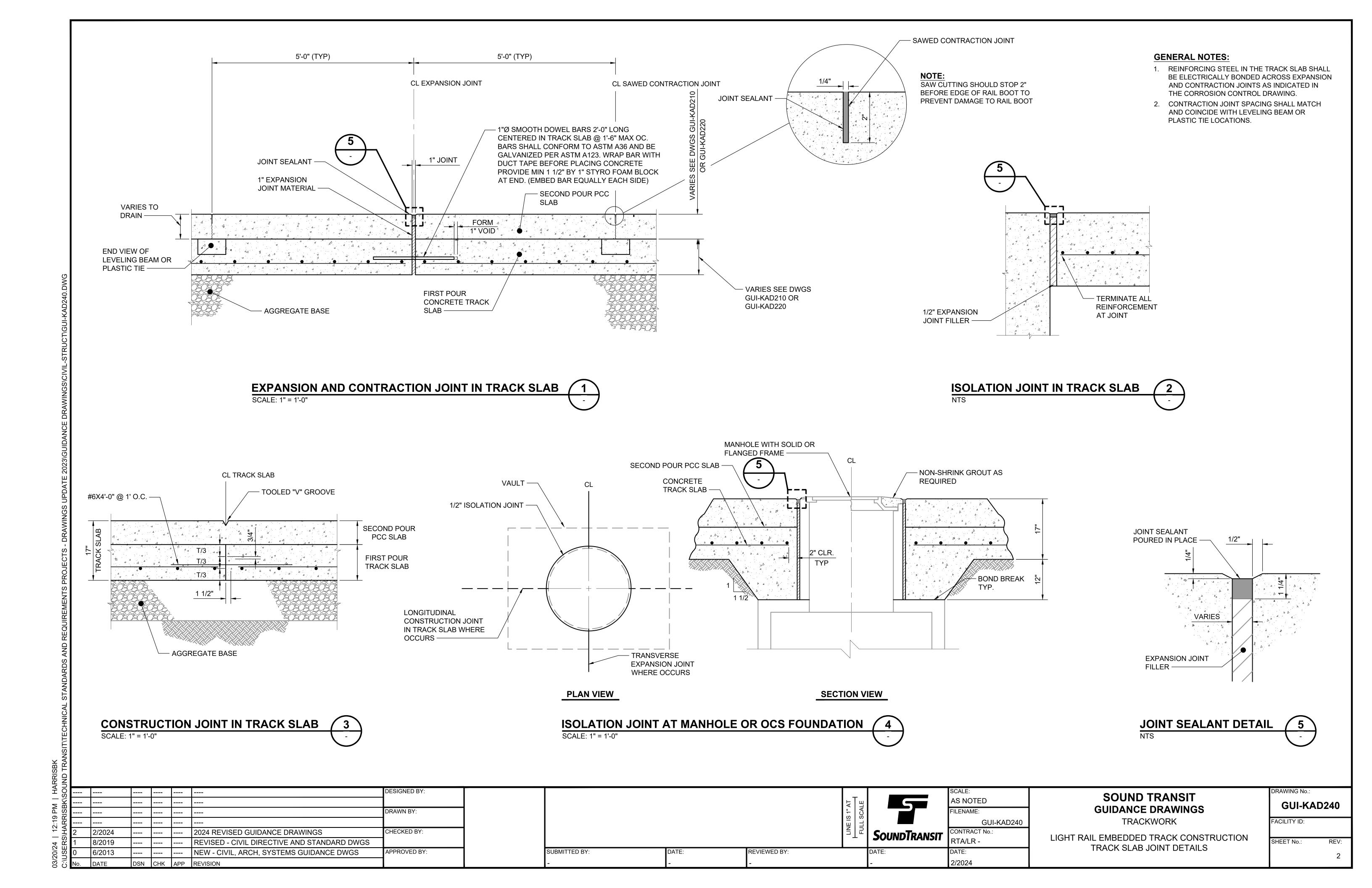
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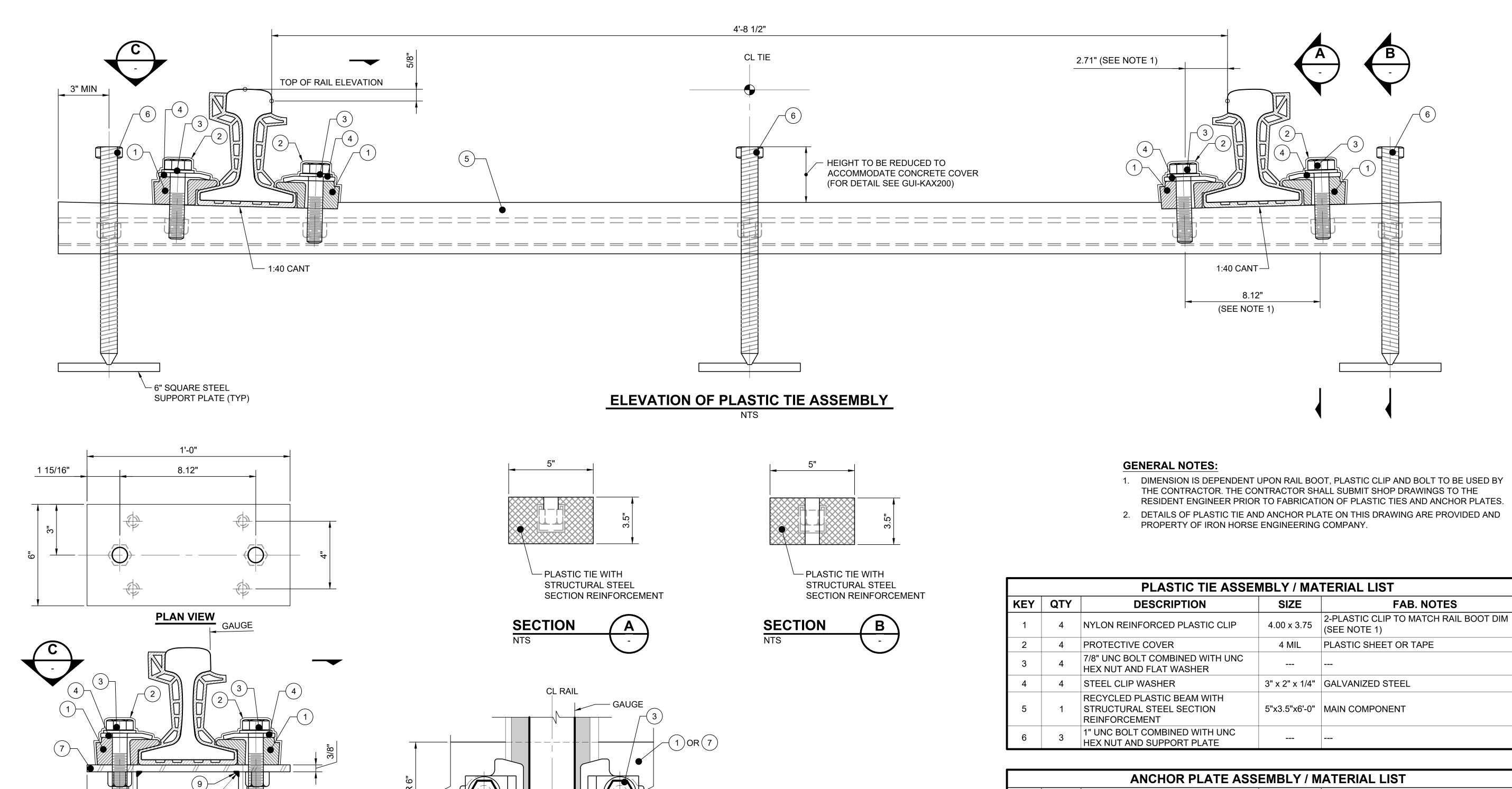
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GUI-KAD236

GUI-KAD236

FACILITY ID:





ANCHOR PLATE ASSEMBLY / MATERIAL LIST						
KEY	QTY	DESCRIPTION	SIZE	FAB. NOTES		
1	2	NYLON REINFORCED PLASTIC CLIP	4.00 x 3.75	2-PLASTIC CLIP TO MATCH RAIL BOOT DIM (SEE NOTE 1)		
2	2	PROTECTIVE COVER	4 MIL	PLASTIC SHEET OR TAPE		
3	2	7/8" UNC BOLT COMBINED WITH UNC HEX NUT AND FLAT WASHER				
4	2	STEEL CLIP WASHER	3" x 2" x 1/4"	GALVANIZED STEEL		
7	1	3/8" STEEL PLATE	6" x 12"	DRILL HOLES PER PLAN		
8	4	1/2" DIA STUD	0'-4"	WELDED TO UNDERSIDE OF PLATE		
9	LOT	WELD				

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9 P		-				DRAWN BY:					S 1' SC,		FILENAME:			
12:19 PI		-											GUI-KAD245	TRACKWORK	FACILITY ID:	
1 K	2/20	2024			- 2024 REVISED GUIDANCE DRAWINGS	CHECKED BY:						SOUNDTRANSIT	CONTRACT No.:	EMBEDDED TRACK CONSTRUCTION		
42 RRS	8/20	2019			REVISED - CIVIL DIRECTIVE AND STANDARD DWGS								RTA/LR -	PLASTIC BEAM AND ANCHOR PLATE ASSEMBLY	SHEET No.:	REV:
20/2 JSE	6/20	2013			NEW - CIVIL, ARCH, SYSTEMS GUIDANCE DWGS	APPROVED BY:]	SUBMITTED BY:	DATE:	REVIEWED BY:		DATE:	DATE:	(115RE)	1	2
03/; C:\(o. DAT	TE	DSN	CHK APP	P REVISION			-	-	-		-	2/2024	(TISINE)		

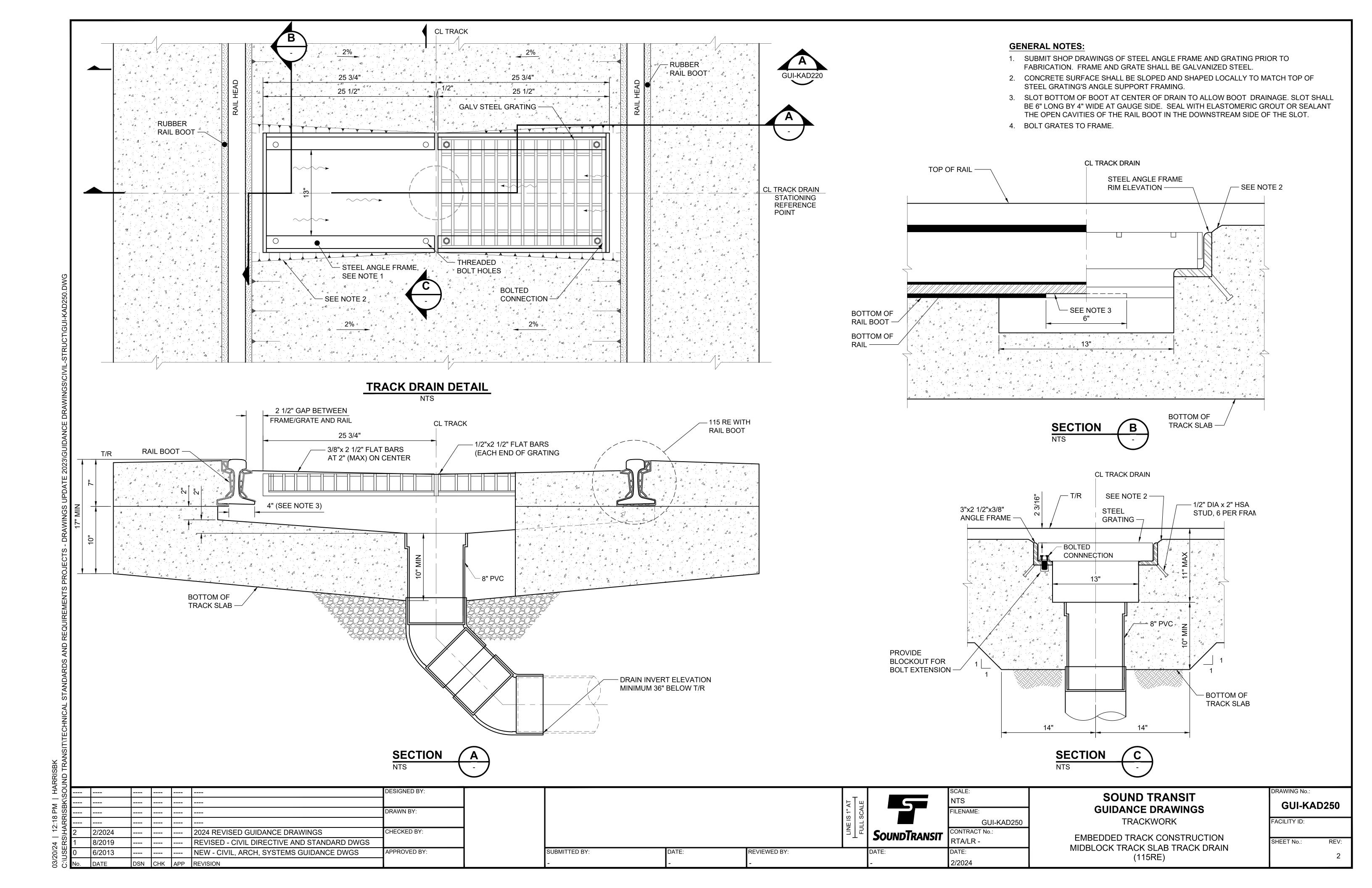
SECTION

2 11/16"

6 1/2"

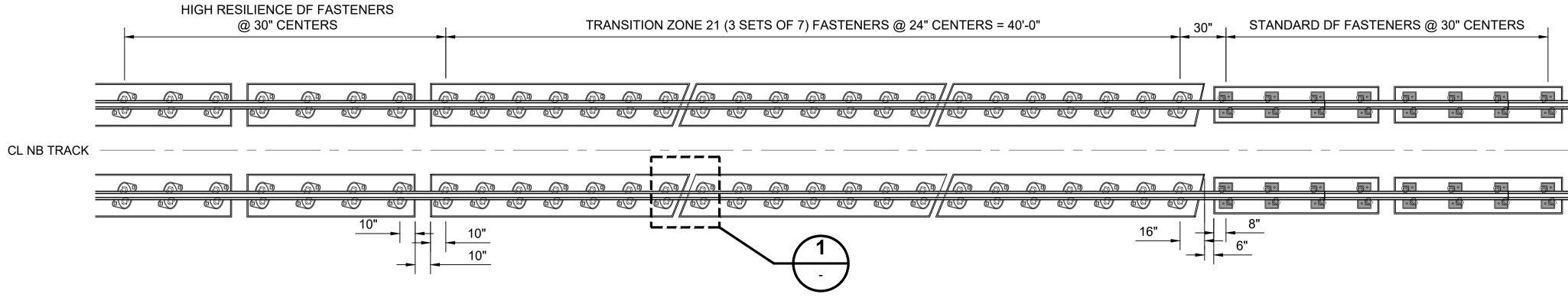
ELEVATION VIEW

ANCHOR PLATE

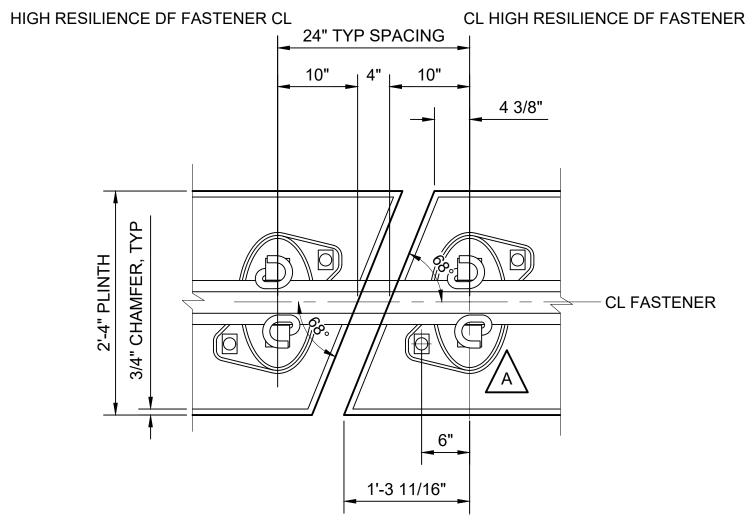


GENERAL NOTE:

1. FOR DF TRACKS UNDER HIGH RESILIENT FASTENER AND STANDARD FASTENER SEE DWGS STD-KAD100 AND STD-KAD102.



TRANSITION PLAN FROM HIGH RESILIENCE FASTENER DF TRACK TO STANDARD FASTENER DF TRACK



TRANSITION ZONE PLINTH GAP

SCALE: 1" = 1'-0"

						DESIGNED BY:
						DRAWN BY:
						CHECKED BY:
1	2/2024				2024 REVISED GUIDANCE DRAWINGS	
0	8/2019				NEW - CIVIL DIRECTIVE AND STANDARD DWGS	APPROVED BY:
No.	DATE	DSN	СНК	APP	REVISION	

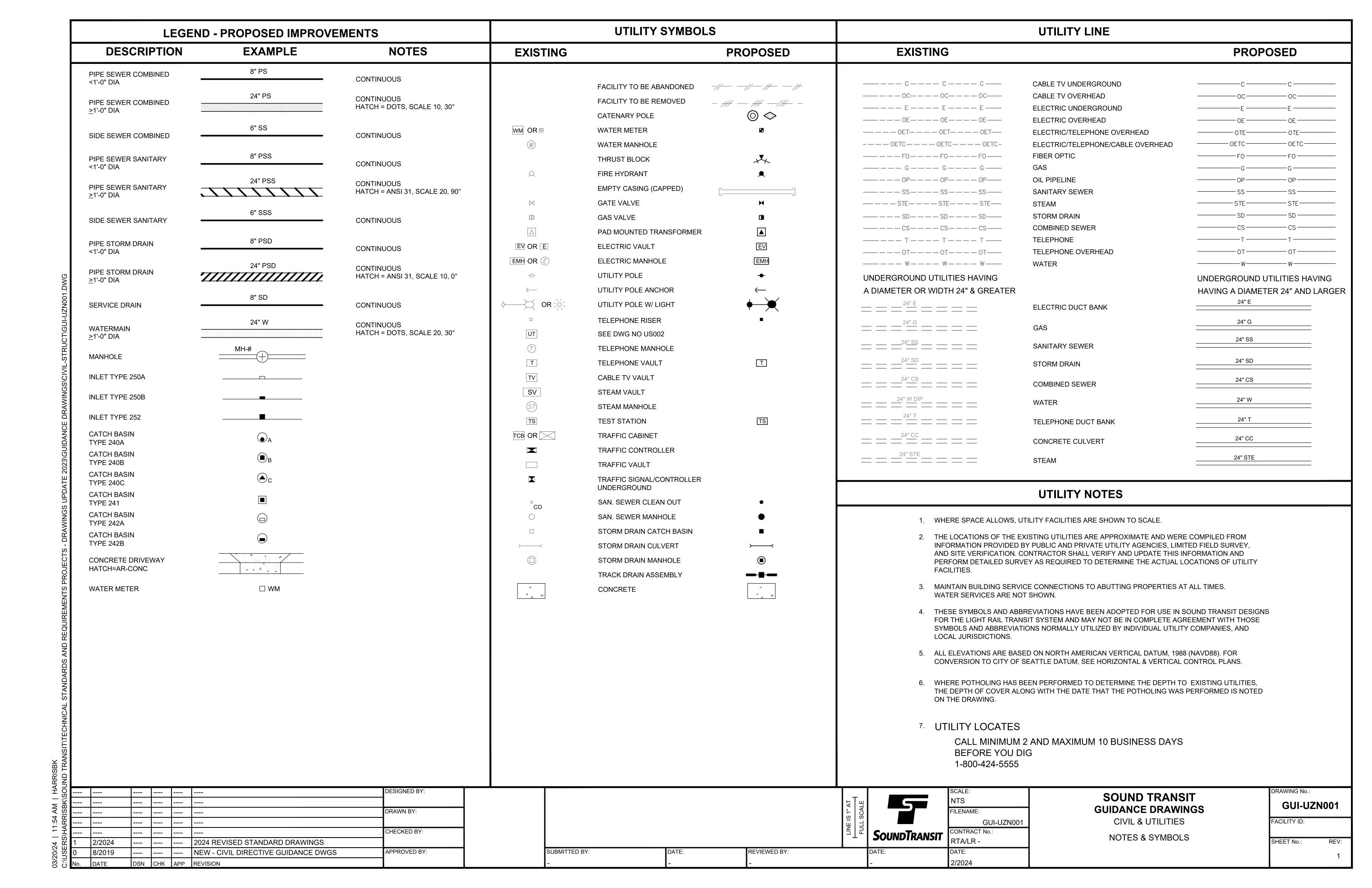
			LINE IS 1" AT FULL SCALE	
SUBMITTED BY:	DATE:	REVIEWED BY:		DA

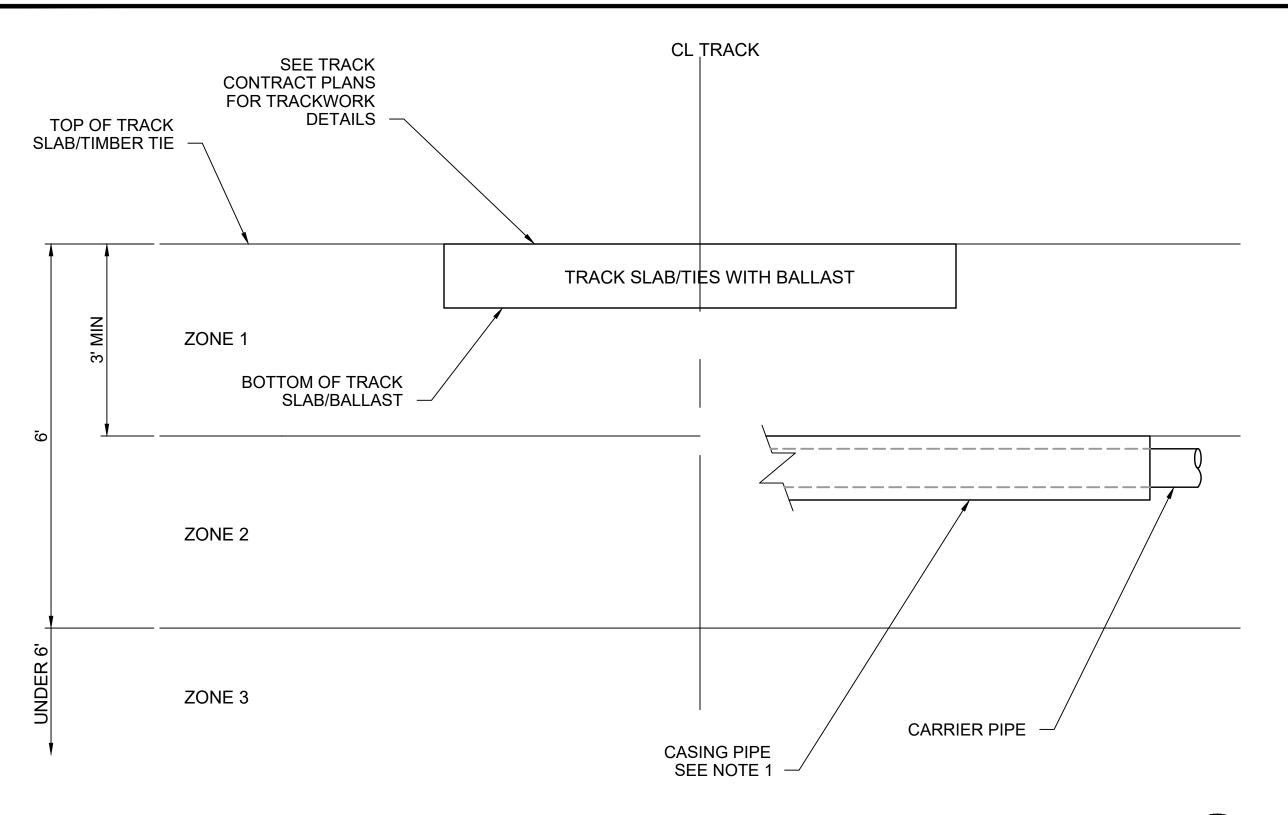
AS NOTED GUI-KAD427 SOUNDTRANSIT CONTRACT No.: RTA/LR -

SOUND TRANSIT GUIDANCE DRAWINGS TRACKWORK

TRANSITION SLAB
HIGH RESILIENT FASTENER DIRECT FIXATION
TRACK TO STANDARD DIRECT FIXATION TRACK

RAWING No.: **GUI-KAD427** FACILITY ID:



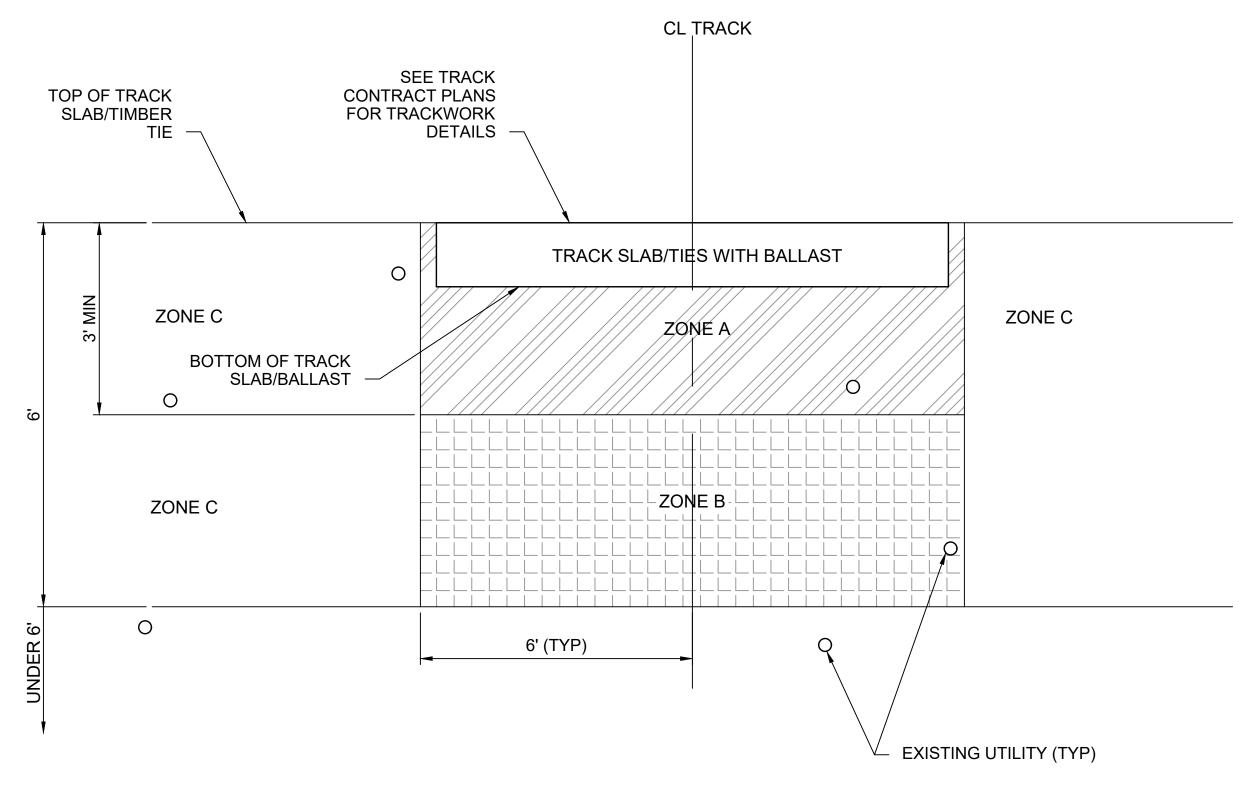


NOTES:

1. STRUCTURAL PROTECTION MAY INCLUDE INSTALLATION OF PIPE CASING OR CONCRETE COVER

ZONE	PREFERRED CONFIGURATION
1	RELOCATE UTILITY (PREFERRED) OR PROVIDE STRUCTURAL PROTECTION (SEE NOTE 1)
2	RELOCATE UTILITY OR PROVIDE STRUCTURAL PROTECTION (SEE NOTE 1)
3	NO MODIFICATION REQUIRED UNLESS SPECIAL CONCERN DUE TO AGE, CONDITION, REPLACEMENT FREQUENCY, ACCESS, OR RISK.

UTILITY MAIN - TRANSVERSE CROSSING (SINGLE TRACK CONFIGURATION SHOWN) 1



ZONE	PREFERRED CONFIGURATION
А	RELOCATE UTILITY (PREFERRED) OR PROVIDE STRUCTURAL PROTECTION. (SEE NOTE 1)
В	RELOCATE UTILITY OR PROVIDE STRUCTURAL PROTECTION (SEE NOTE 1)
С	NO MODIFICATION REQUIRED UNLESS SPECIAL CONCERN DUE TO AGE, CONDITION, REPLACEMENT FREQUENCY, ACCESS, OR RISK.

REVIEWED BY:

UTILITY MAIN - PARALLEL (SINGLE TRACK CONFIGURATION SHOWN) 2

2024 NEW GUIDANCE DRAWING

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

SUBMITTED BY:	DATE:

SoundTransit

FILENAME: CONTRACT No.:

GUI-UCD101

SOUND TRANSIT GUIDANCE DRAWINGS CIVIL & UTILITIES

RAWING No.: **GUI-UCD101** FACILITY ID:

TYPICAL UNDERGROUND UTILITY CONFIGURATION GUIDANCE

SHEET No.: