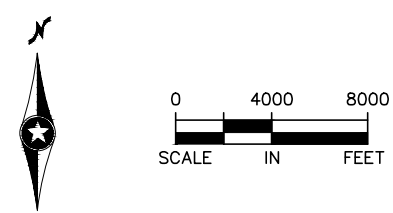
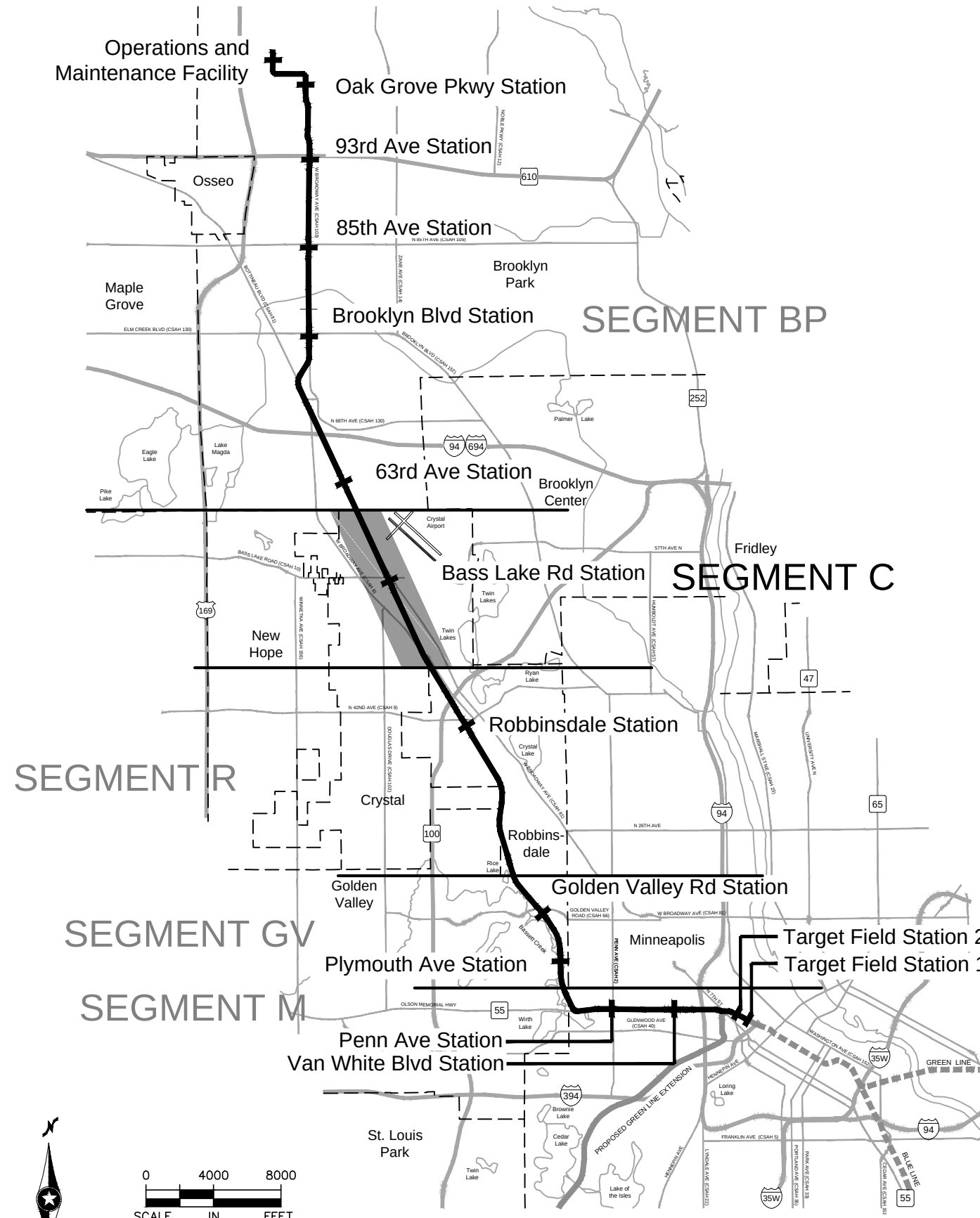


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SEGMENT C

EXISTING CONDITIONS/TRACK/CIVIL

MUNICIPAL CONSENT (12/15/2015)

MN STATE STATUTE 473.3994

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TOPOGRAPHIC SYMBOLS			
	CATCH BASIN		COMMUNICATION STRUCTURE
	STORM MANHOLE		TELEPHONE STRUCTURE
	FLARED END SECTION		TELEPHONE MANHOLE
	BOX CULVERT INVERT		FIBER OPTIC MANHOLE
	SANITARY MANHOLE		UTILITY POLE
	SANITARY CLEANOUT		UTILITY POLE W/LIGHT
	WATER MANHOLE		GUY WIRE
	WATER GATE VALVE MANHOLE		SHRUB
	WATER VALVE		TREE (DECIDUOUS)
	WATER METER		TREE (CONIFEROUS)
	CORP STOP		CAMERA
	HYDRANT		MONITOR WELL
	ELECTRIC METER		BOLLARD
	ELECTRIC TRANSFORMER		SIGN
	ELECTRIC PANEL		MAILBOX
	ELECTRIC MANHOLE		FLAG POLE
	ELECTRIC BOX		UNIDENTIFIED STRUCTURE
	ELECTRIC VAULT		EXISTING DIRECTIONAL LANE USE
	GAS VALVE		EXISTING SIGNALIZED INTERSECTION
	GAS METER		SURVEY CONTROL STATION
	TRAFFIC SIGNAL POLE		POWER TOWER
	LIGHT POLE		GATE ARM
	HAND HOLE (STRUCTURE)		RAIL SIGNAL FLASHER
	CABLE TELEVISION		

SURVEY NOTES

1. THE HORIZONTAL DATUM OF THIS MAP IS BASED ON THE HENNEPIN COUNTY COORDINATE SYSTEM WHICH IS RELATED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM NAD83 (2007 ADJUSTMENT) SOUTH ZONE.
2. THE VERTICAL DATUM OF THIS MAP IS NAVD 88.
3. THE PLANIMETRIC FEATURES SHOWN ON THIS MAP ARE AS PREPARED BY AERO--METRIC, INC. FROM AERIAL DATA AND IMAGERY COLLECTED IN SPRING 2008 AND OCTOBER 2010, AS SUPPLEMENTED BY FIELD SURVEYS COMPLETED BY SAMBATEK.

EXISTING LINETYPES			
	P-OH	P-OH	OVERHEAD ELECTRIC
	P-UG	P-UG	UNDERGROUND ELECTRIC
	T-OH	T-OH	OVERHEAD TELEPHONE
	TEL	TEL	UNDERGROUND TELEPHONE
	COM-OH	COM-OH	OVERHEAD COMMUNICATION
	COM-UG	COM-UG	UNDERGROUND COMMUNICATION
	CABLE-OH		OVERHEAD CABLE TELEVISION
	CATV	CATV	UNDERGROUND CABLE TELEVISION
	FIB-OPT		UNDERGROUND FIBER OPTIC
	FUEL-UG	FUEL-UG	UNDERGROUND FUEL
	GAS-UG	GAS-UG	UNDERGROUND GAS
	GAS(AB.)	GAS(AB.)	ABANDONED UTILITY
	I	I	WATER
			SANITARY SEWER
			SANITARY FORCE MAIN
			STORM SEWER
			LARGE CULVERT
			EDGE OF PAVEMENT
			CURB AND GUTTER
	x	x	FENCE
			GUARDRAIL
			WALK
			BUILDING
			RETAINING WALL
			BRIDGE
			RIGHT-OF-WAY
			PROPERTY LINE
			FREIGHT RAIL
			CENTERLINE OF TRAIL
			VEGETATION
			WATER BODY

TRACK/CIVIL LINETYPES	
	ROADWAY CL
	TRACK CL
	CONCRETE CURB AND GUTTER
	BIKE LANE
	SIDEWALK/TRAIL
	DRIVEWAY
	BRIDGE
	SAWCUT
	BALLAST CURB
	RETAINING WALL
	CROSSWALK
	MEDIAN NOSE

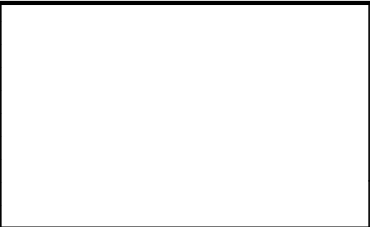
CIVIL SYMBOLS	
	ACCESSIBLE PEDESTRIAN CURB RAMP (DESIGN VARIES)
	PROPOSED SIGNALIZED INTERSECTION
	PROPOSED DIRECTIONAL LANE USE
	HANDICAP PARKING STALL
	BIKE LANE
	TACTILE WARNING STRIP

TRACK SYMBOLS	
	AUTOMATIC GATE
	RAIL TURNOUT
	RAIL CROSSOVER (DOUBLE)
	RAIL CROSSOVER (SINGLE)
	POINT OF SWITCH (PS)
	RAILROAD CURVE NUMBER

ABBREVIATIONS			
AD	ALGEBRAIC DIFFERENCE	OCS	OVERHEAD CONTACT SYSTEM
AVE	AVENUE	OH	OVERHEAD
BGN	BEGIN	OMH	OLSON MEMORIAL HIGHWAY
BIT	BITUMINOUS	PC	POINT OF CURVE
BVCE	BEGINNING VERTICAL CURVE ELEVATION	PGL	PROFILE GRADE LINE
BVCS	BEGINNING VERTICAL CURVE STATION	PITO	POINT OF INTERSECTION TURNOUT
BLVD	BOULEVARD	PKWY	PARKWAY
BNSF	BNSF RAILWAY	POT	POINT ON TANGENT
BRT	BUS RAPID TRANSIT	PROP	PROPOSED
C&G	CURB AND GUTTER	PS	POINT OF SWITCH
CL	CENTERLINE	PT	POINT OF TANGENT
CONC	CONCRETE	PVI	POINT OF VERTICAL INTERSECTION
CP	CANADIAN PACIFIC	R	RADIUS (FEET)
CR	COUNTY ROAD	r	RATE OF CHANGE VERTICAL CURVE
CS	CURVE TO SPIRAL	RD	ROAD
CSAH	COUNTY STATE AID HIGHWAY	RH	RIGHT HAND
CT	COURT	ROW	RIGHT OF WAY
DF	DIRECT FIXATION	S	SOUTH
DR	DRIVE	SB	SOUTHBOUND
Ea	ACTUAL SUPERELEVATION (INCHES)	SC	SPIRAL TO CURVE
EB	EAST BOUND	SIG-COMM	SIGNAL COMMUNICATION
ELEV	ELEVATION	S/P	STOCKPILE
Eu	UNBALANCED SUPERELEVATION (INCHES)	SPI	SPIRAL POINT OF INTERSECTION
EVCE	ENDING VERTICAL CURVE ELEVATION	ST	STREET
EVCS	ENDING VERTICAL CURVE STATION	ST	SPIRAL TO TANGENT
EX	EXISTING	STA	STATION
HCRRRA	HENNEPIN COUNTY REGIONAL RAILROAD AUTHORITY	SWLRT	SOUTHWEST LRT
HWL	HIGH WATER LINE	TERR	TERRACE
LH	LEFT HAND	TH	TRUNK HIGHWAY
LN	LANE	TOR	TOP OF RAIL
Ls	SPIRAL LENGTH (FEET)	TPSS	TRACTION POWER SUBSTATION
MIN	MINIMUM	TRK	TRACK
MPLS	CITY OF MINNEAPOLIS	TS	TANGENT TO SPIRAL
MPRB	MINNEAPOLIS PARK AND RECREATION BOARD	TWRP	THEODORE WIRTH REGIONAL PARK
N	NORTH	TYP	TYPICAL
NB	NORTHBOUND	UG	UNDERGROUND
NHCC	NORTH HENNEPIN COMMUNITY COLLEGE	Vd	DESIGN VELOCITY (MPH)
NO	NUMBER	WB	WEST BOUND
NWL	NORMAL WATER LINE	100-YR	WATER ELEVATION DURING 100-YEAR EVENT

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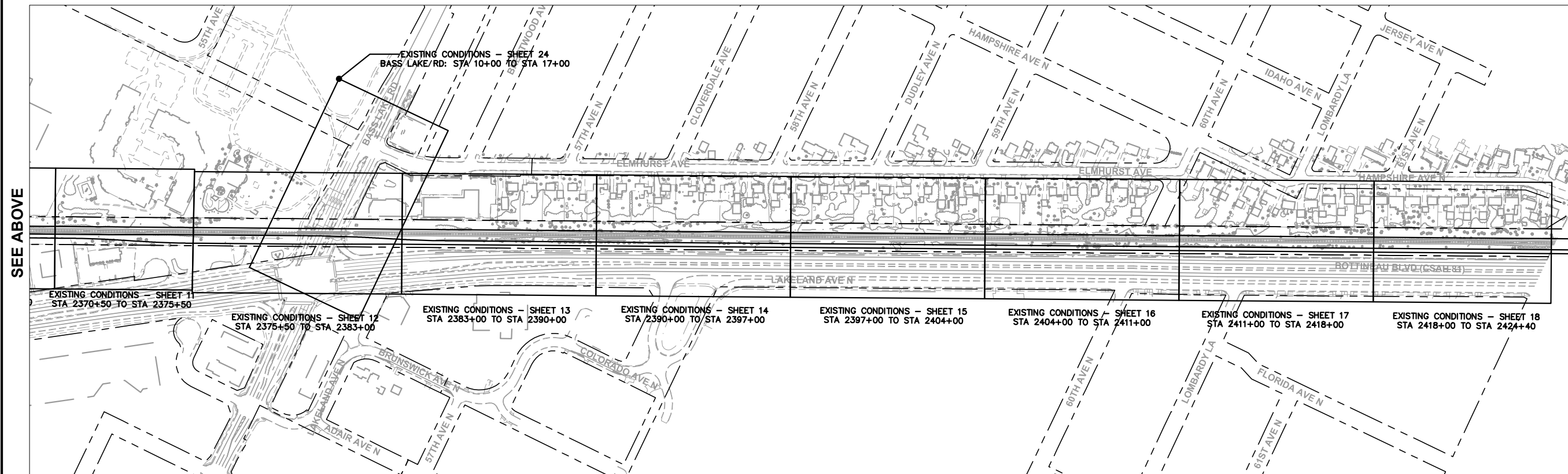
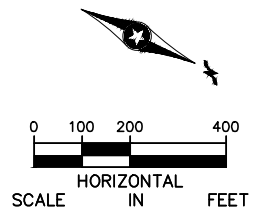
METROPOLITAN COUNCIL

SEGMENT C
GENERAL
LEGEND AND ABBREVIATIONS

DISCIPLINE: GENERAL SHEET NAME: C-GEN-NTS-001

SHEET

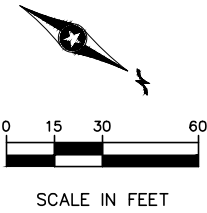
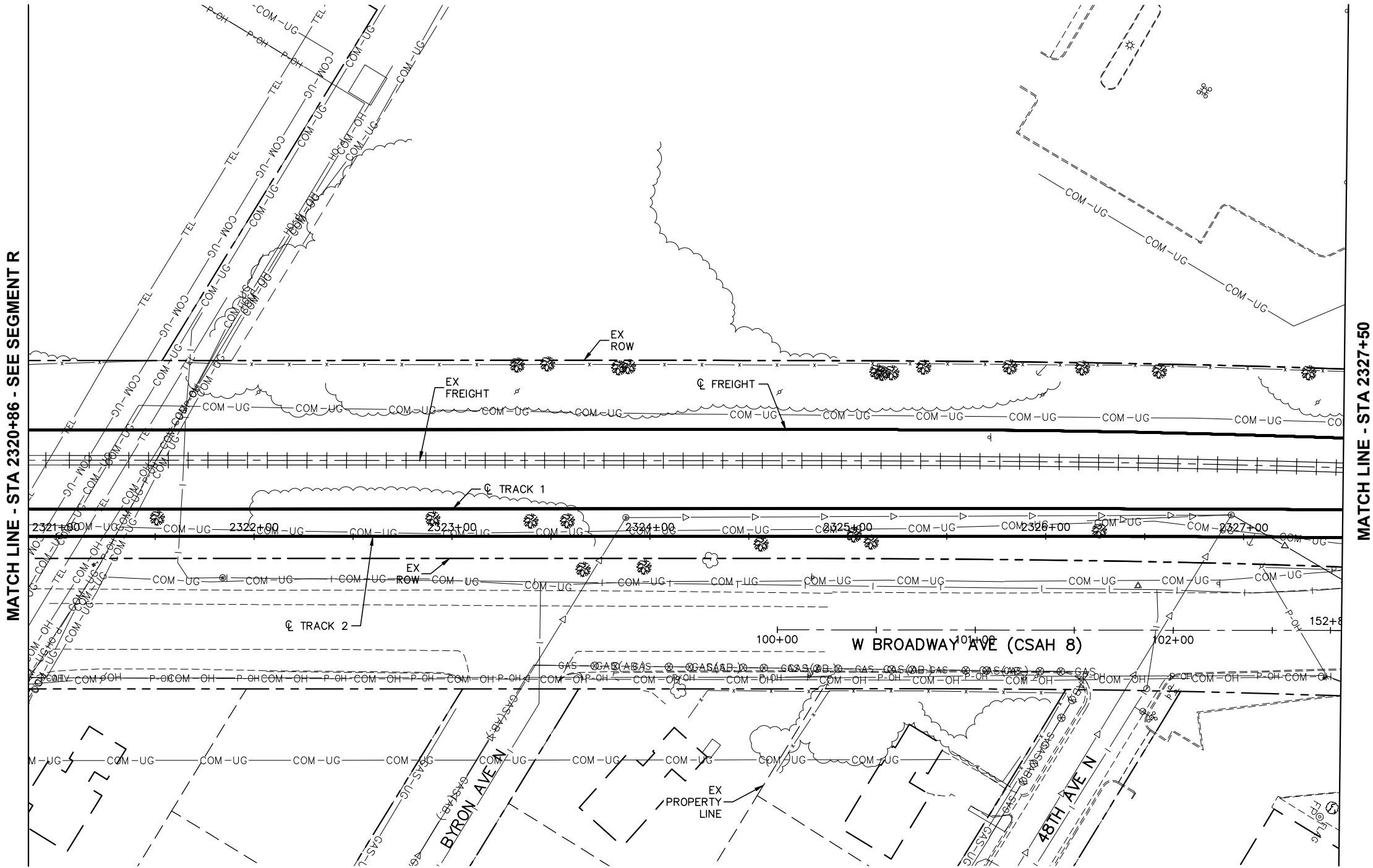
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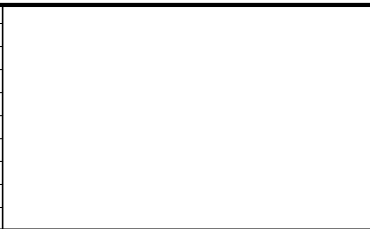
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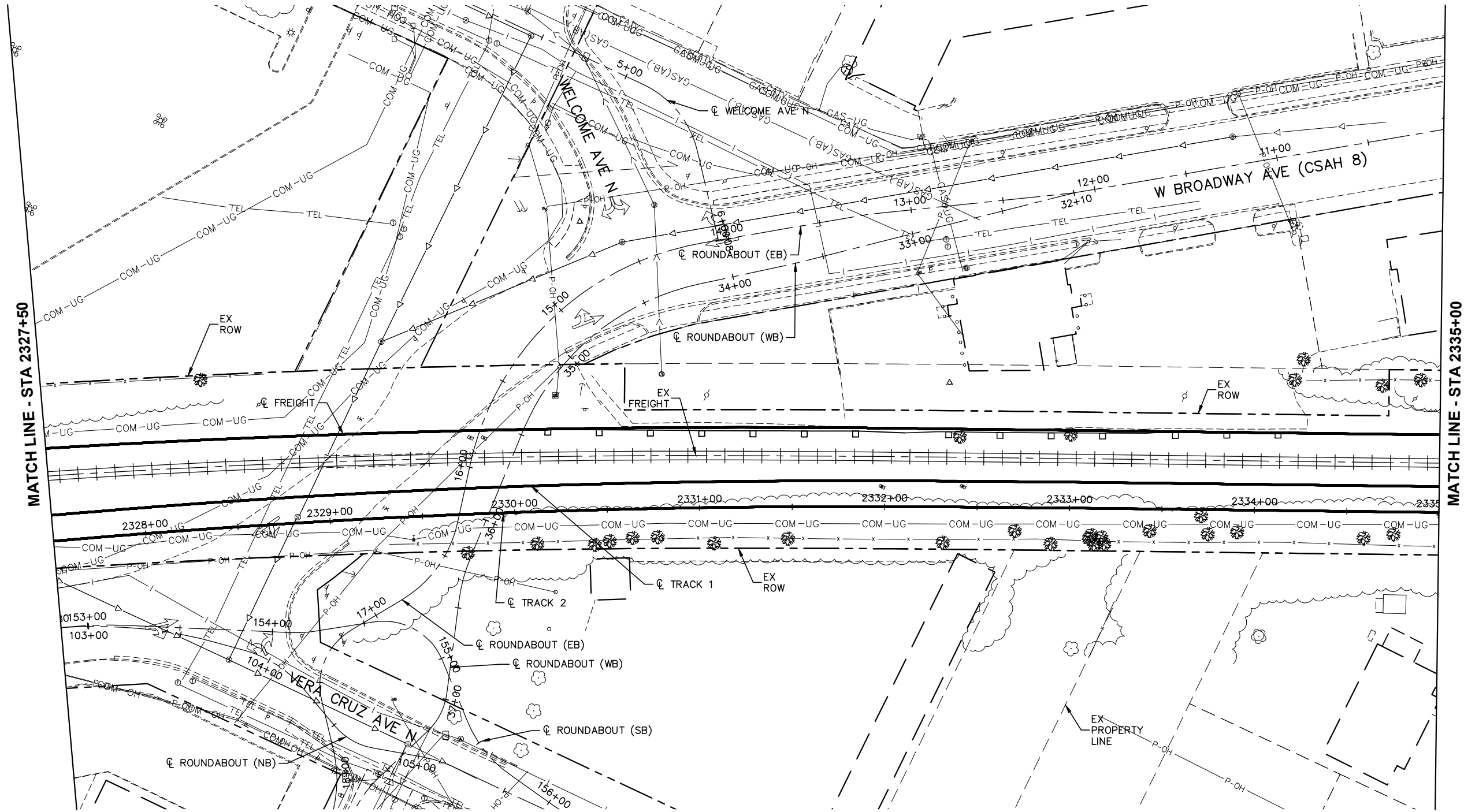
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EXISTING CONDITIONS
STA 2320+86 TO STA 2327+50

DISCIPLINE: SURVEY

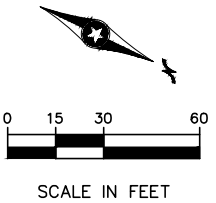
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MATCH LINE - STA 2335+00



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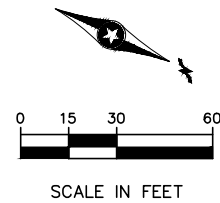
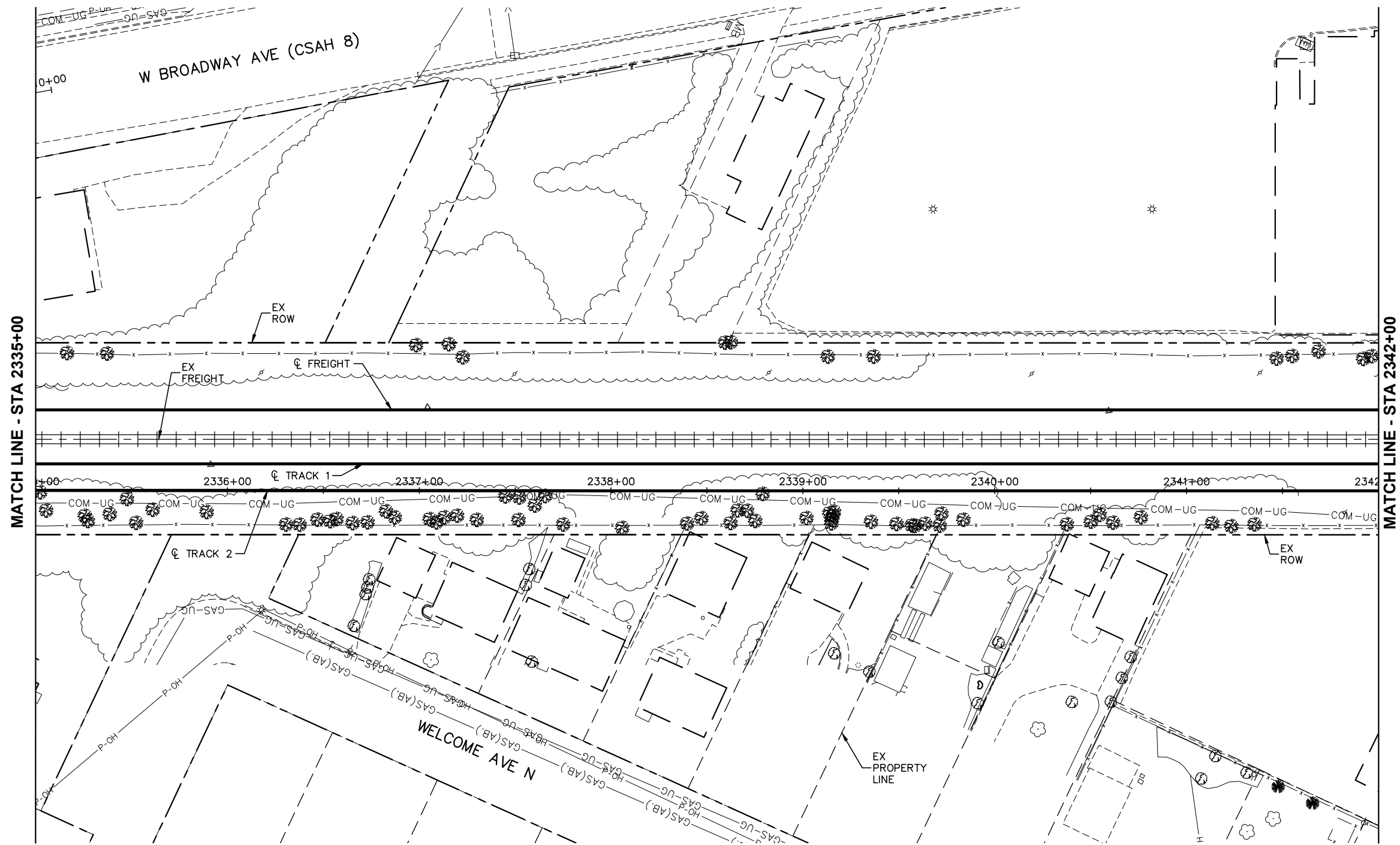
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DISCIPLINE:
SURVEY

SHEET NAME:
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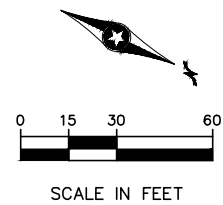
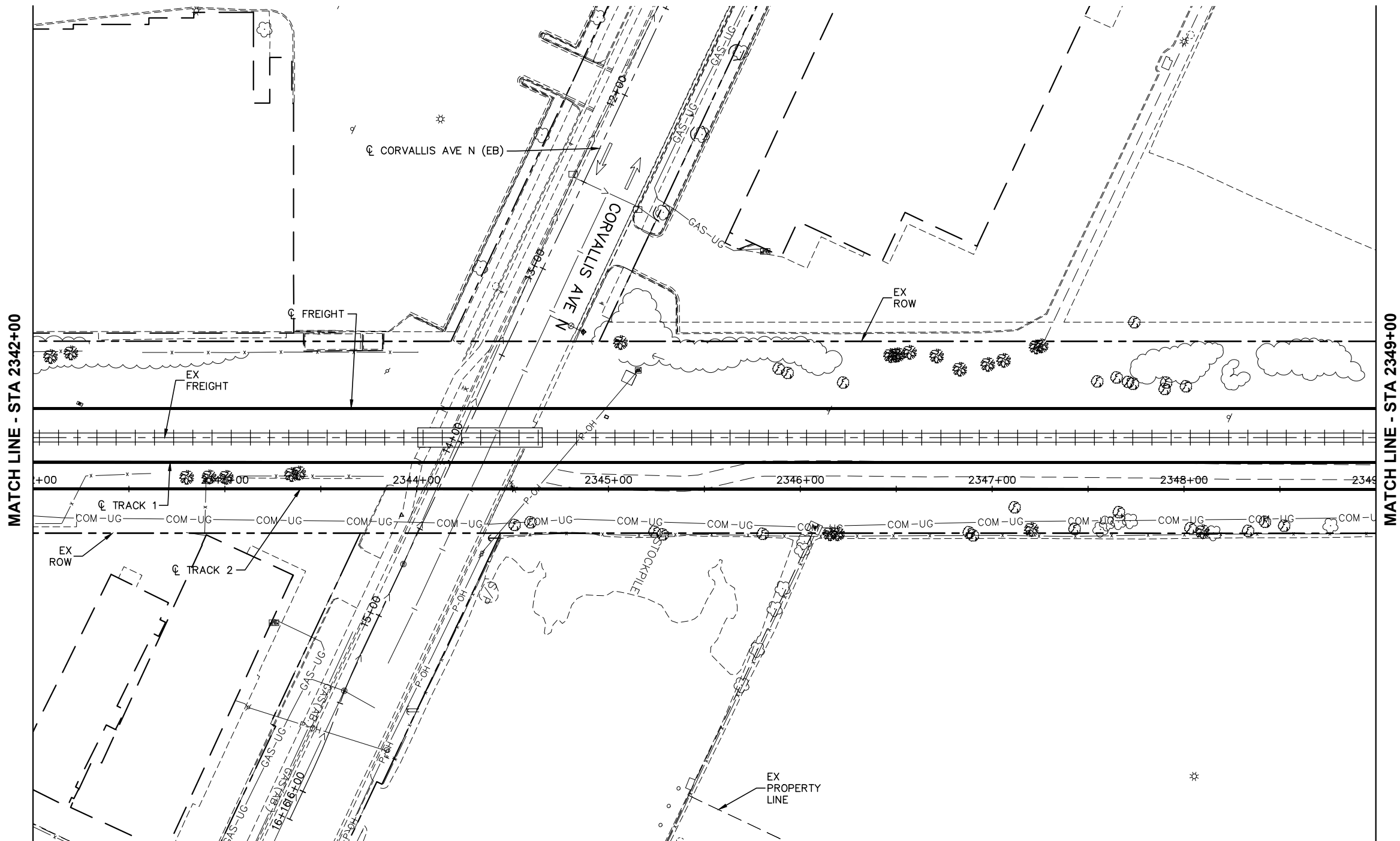
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RAIL CORRIDOR
EXISTING CONDITIONS
STA 2335+00 TO STA 2342+00**

DISCIPLINE: SURVEY

SHEET NAME: C-EXCON-PLN-003

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SEGMENT C
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2342+00 TO STA 2349+00

DISCIPLINE: SURVEY

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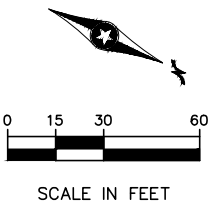
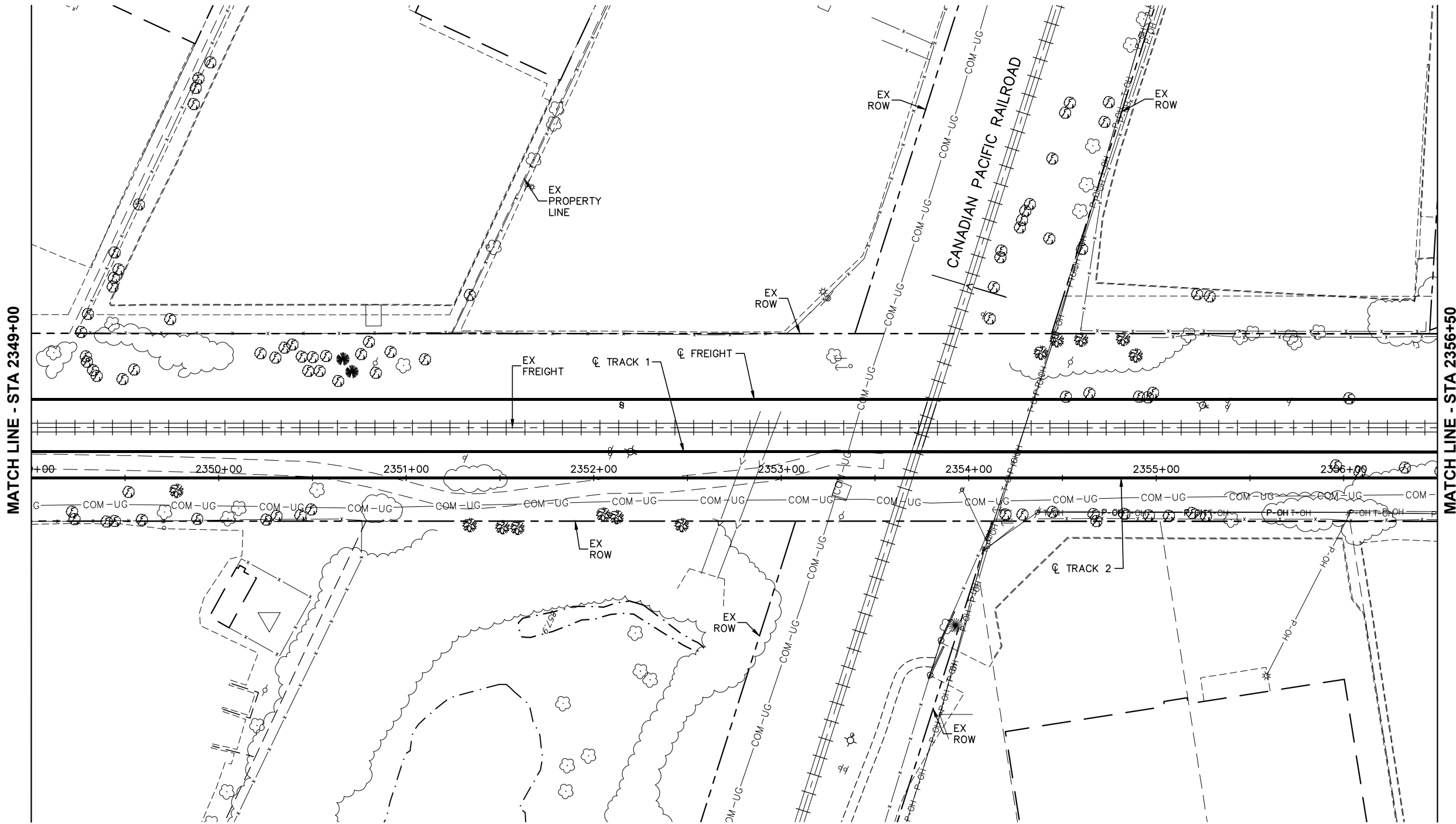
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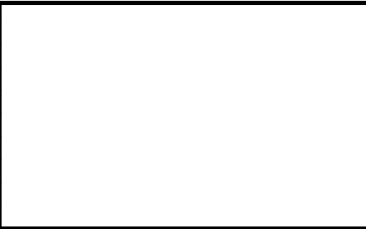
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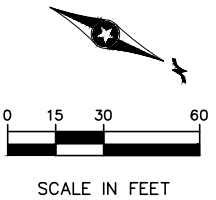
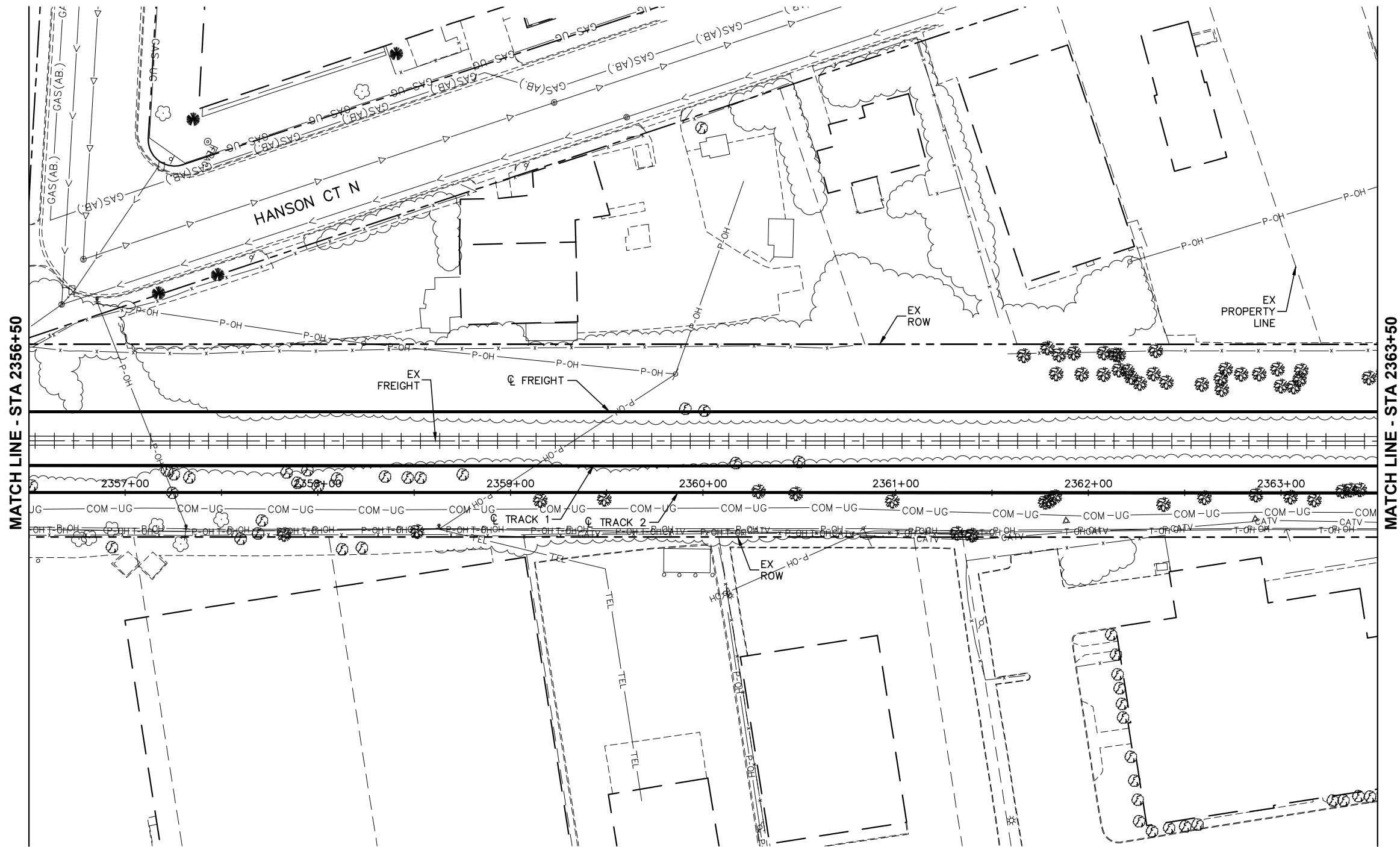
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STA 2349+00 TO STA 2356+50**

DISCIPLINE: **SURVEY**

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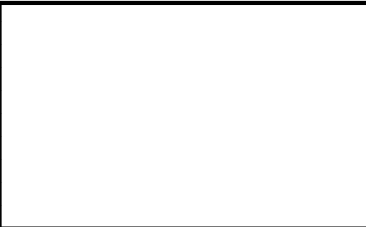
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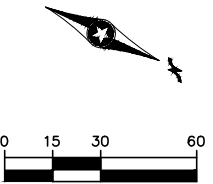
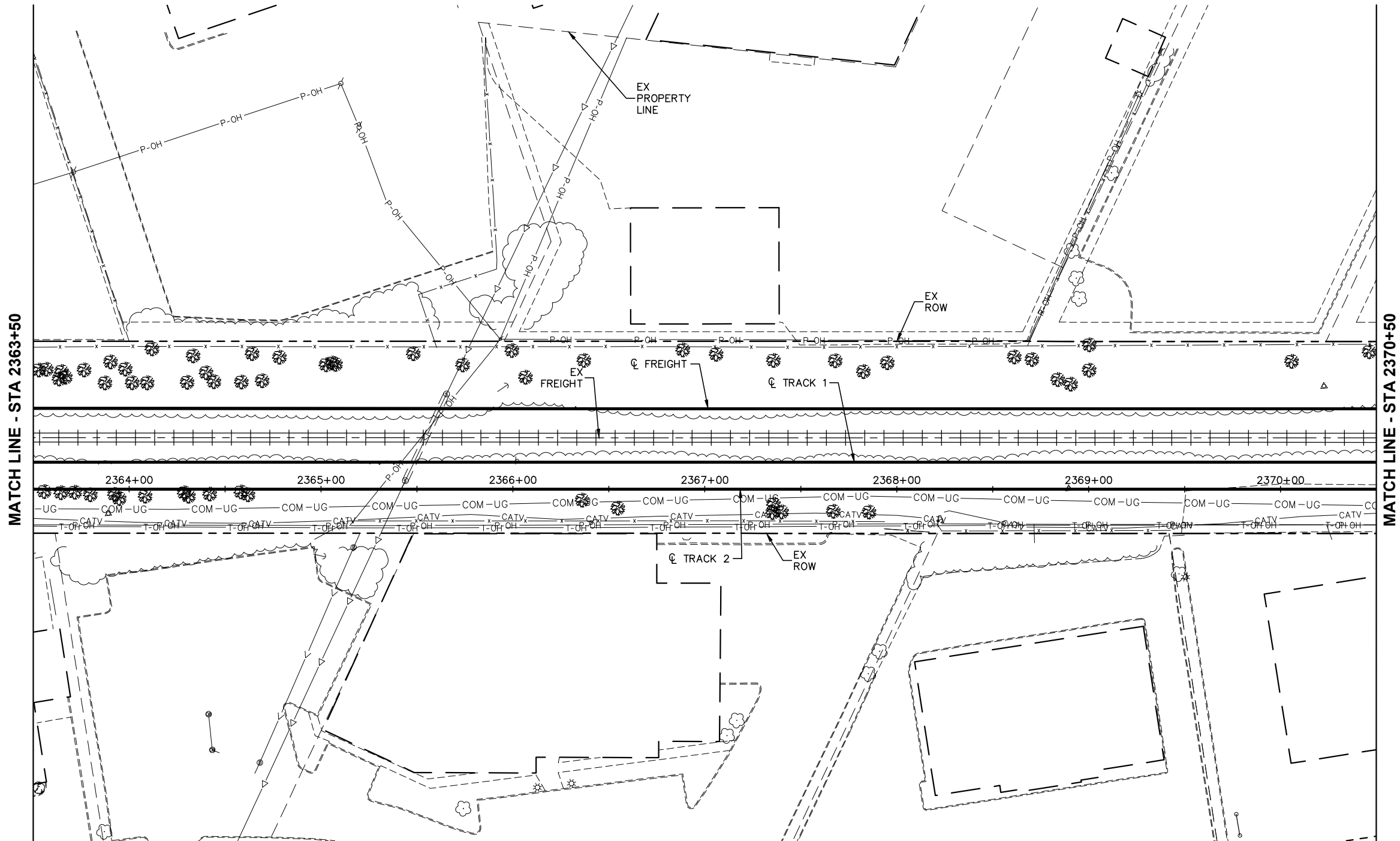
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RAIL CORRIDOR
EXISTING CONDITIONS
STA 2356+50 TO STA 2363+50

DISCIPLINE: SURVEY

SHEET NAME: C-EXCON-PLN-006

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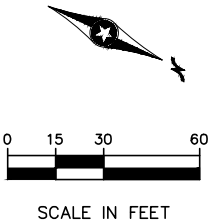
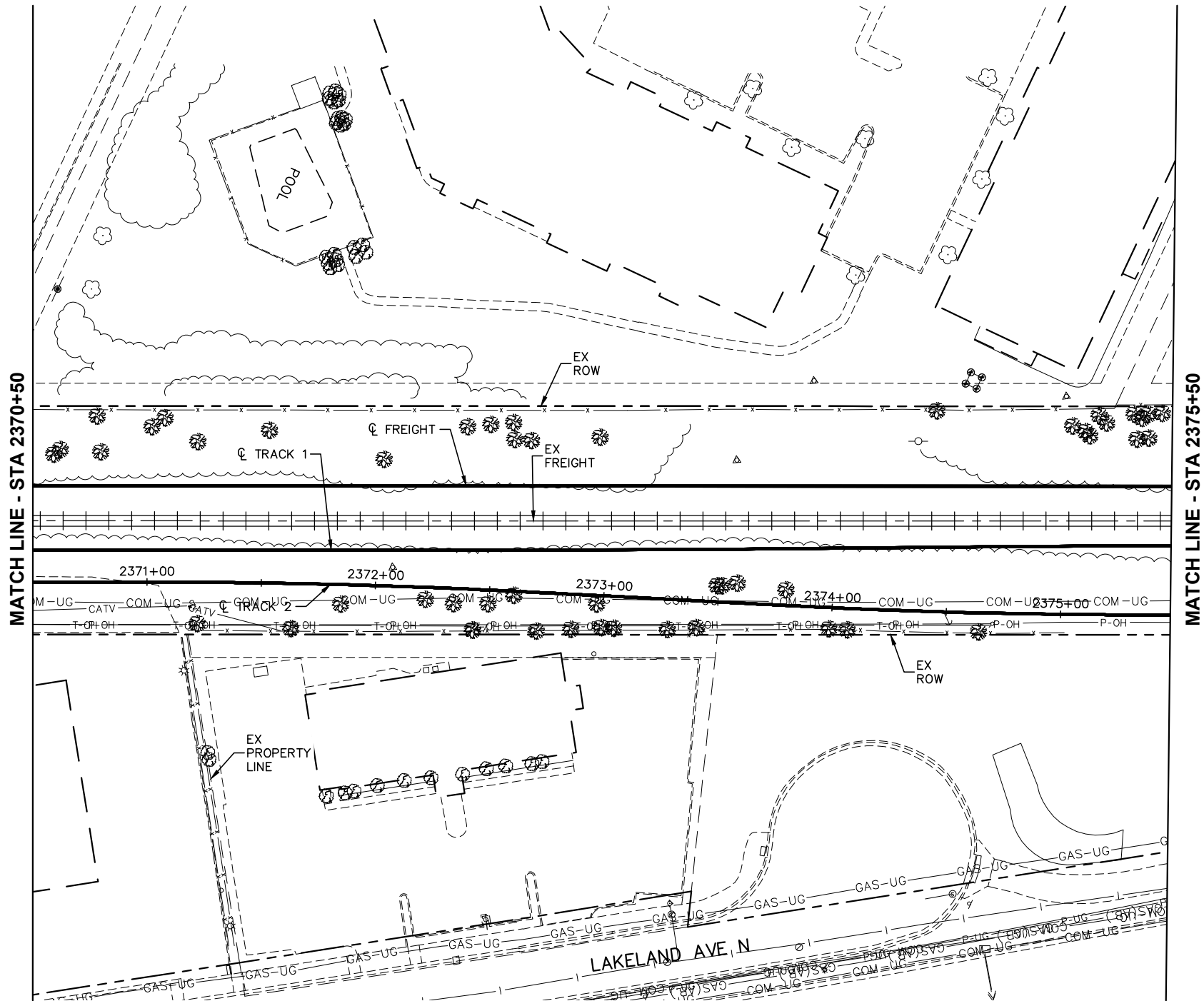
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EXISTING CONDITIONS
STA 2363+50 TO STA 2370+50

DISCIPLINE: SURVEY

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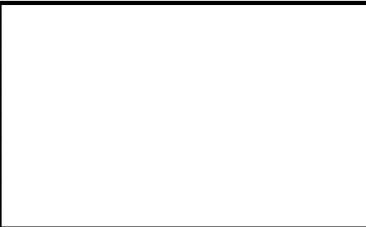
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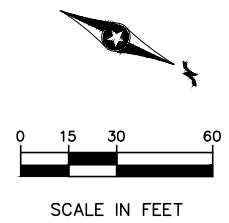
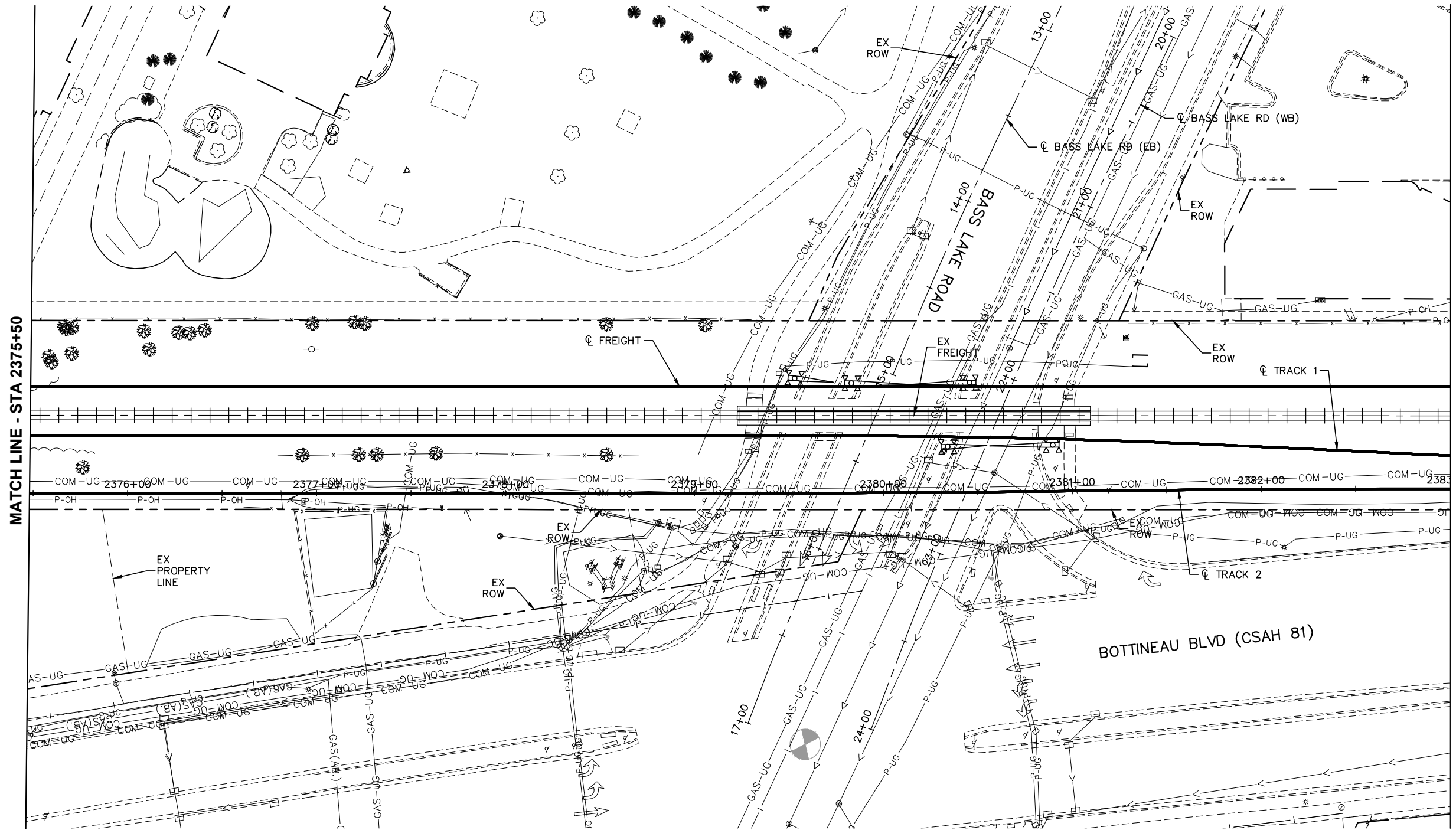
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RAIL CORRIDOR
EXISTING CONDNTIONS
STA 2370+50 TO STA 2375+50

DISCIPLINE: SURVEY

SHEET NAME: C-EXCON-PLN-008

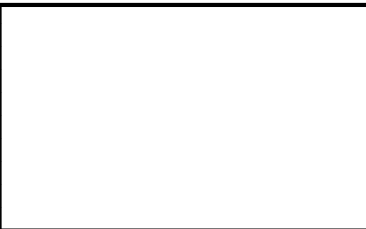
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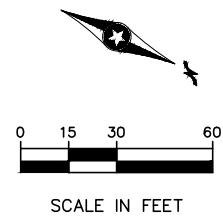
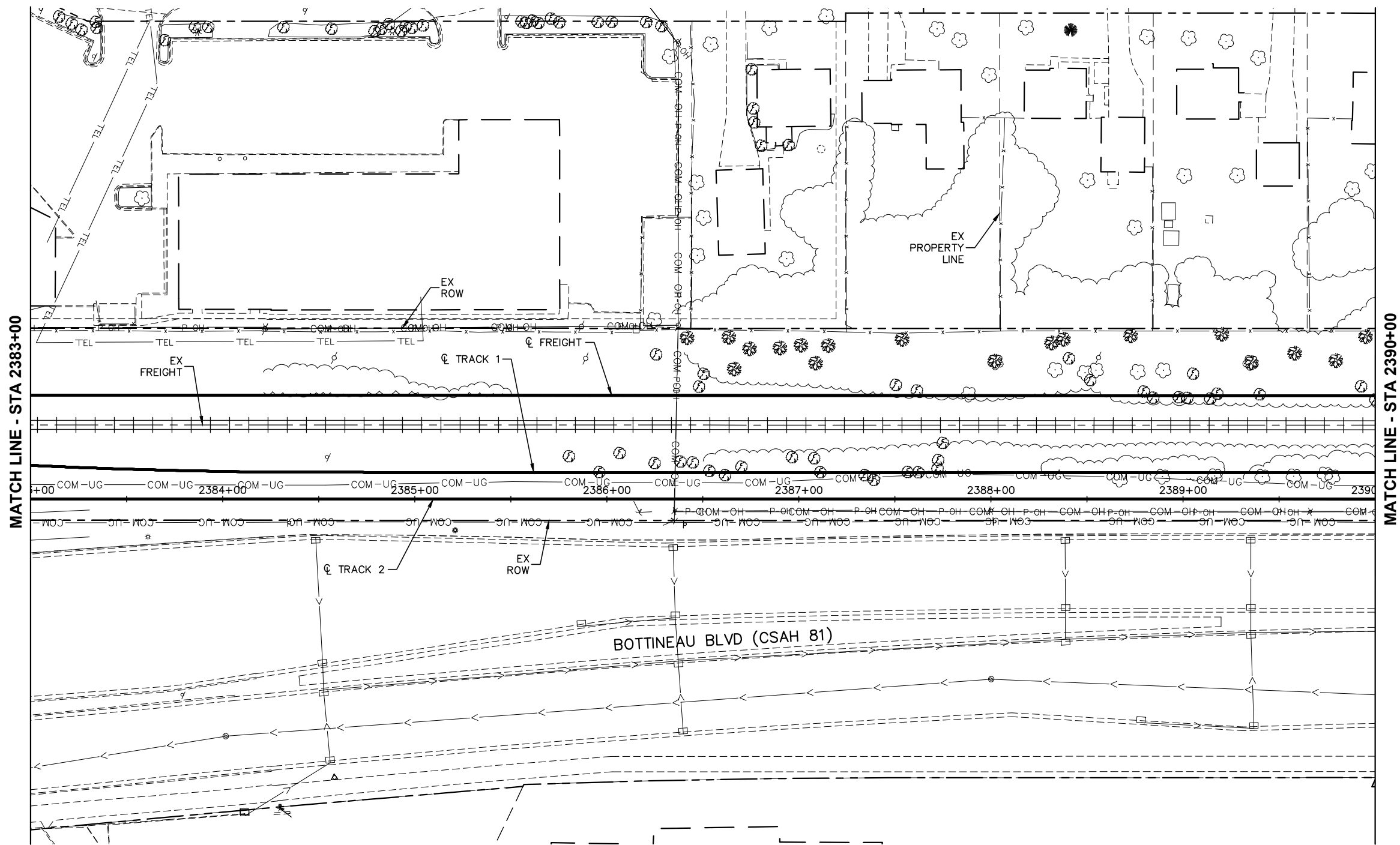


**SEGMENT C
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2375+50 TO STA 2383+00**

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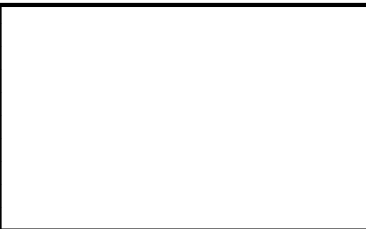
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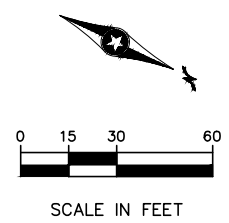
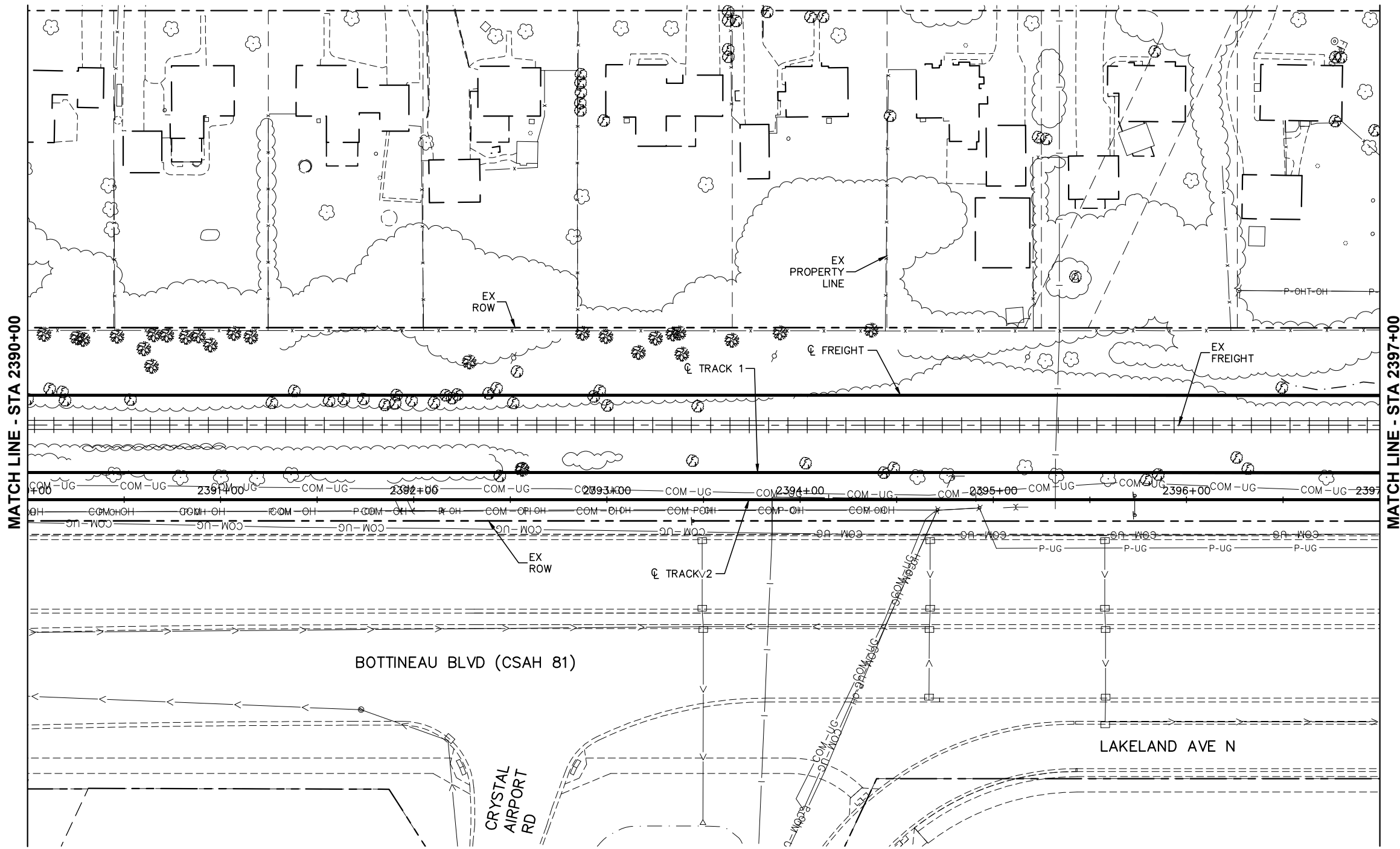
MUNICIPAL CONSENT

SEGMENT C
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2383+00 TO STA 2390+00

DISCIPLINE: SURVEY
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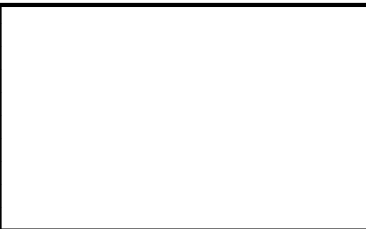
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SEGMENT C
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2390+00 TO STA 2397+00

DISCIPLINE: SURVEY

SHEET NAME: C-EXCON-PLN-011

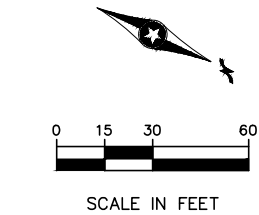
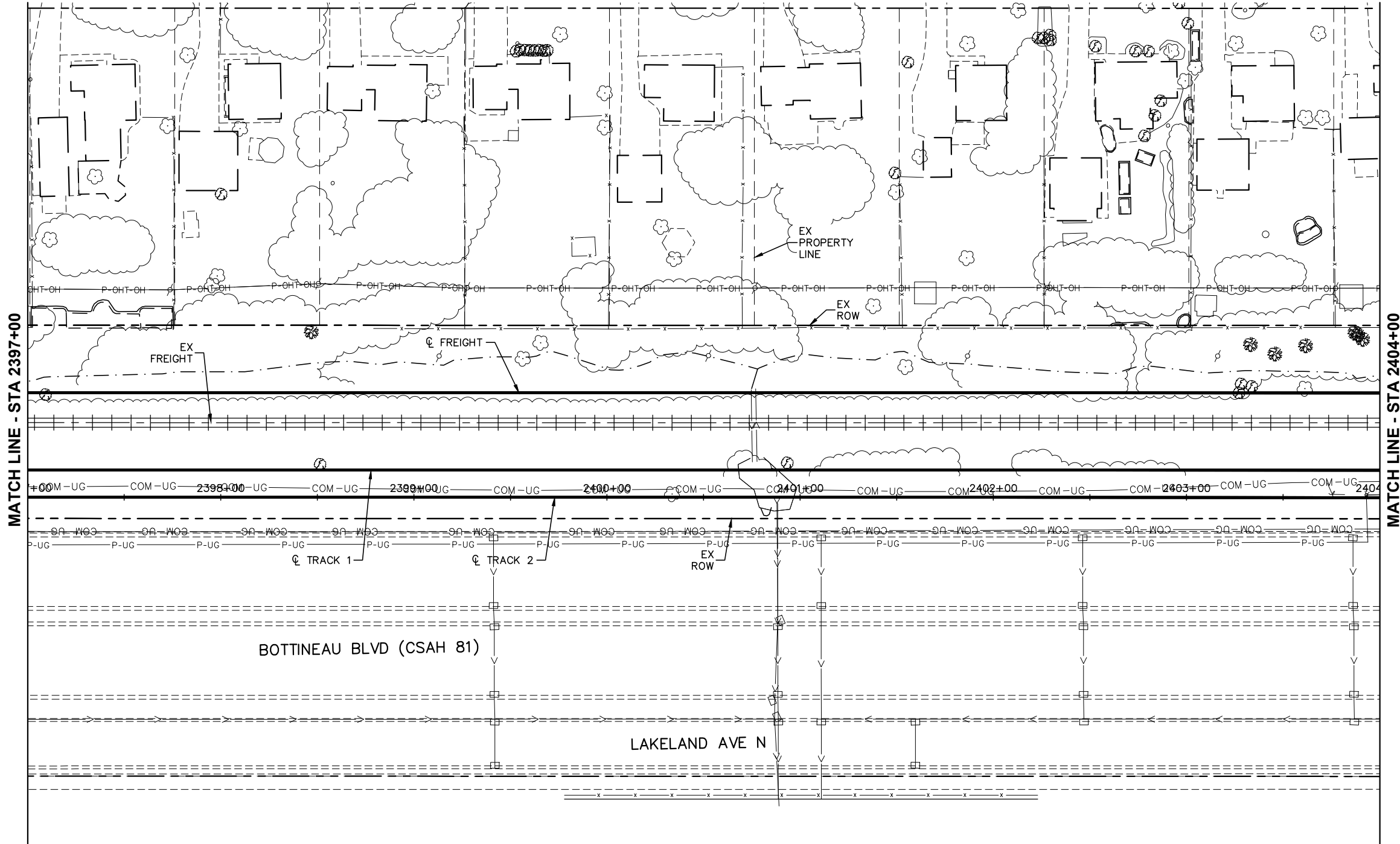
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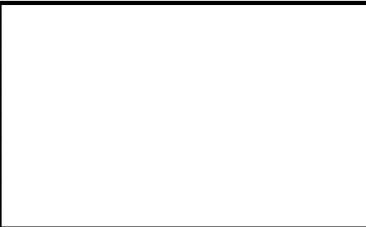
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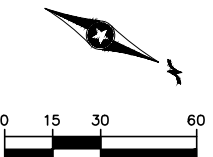
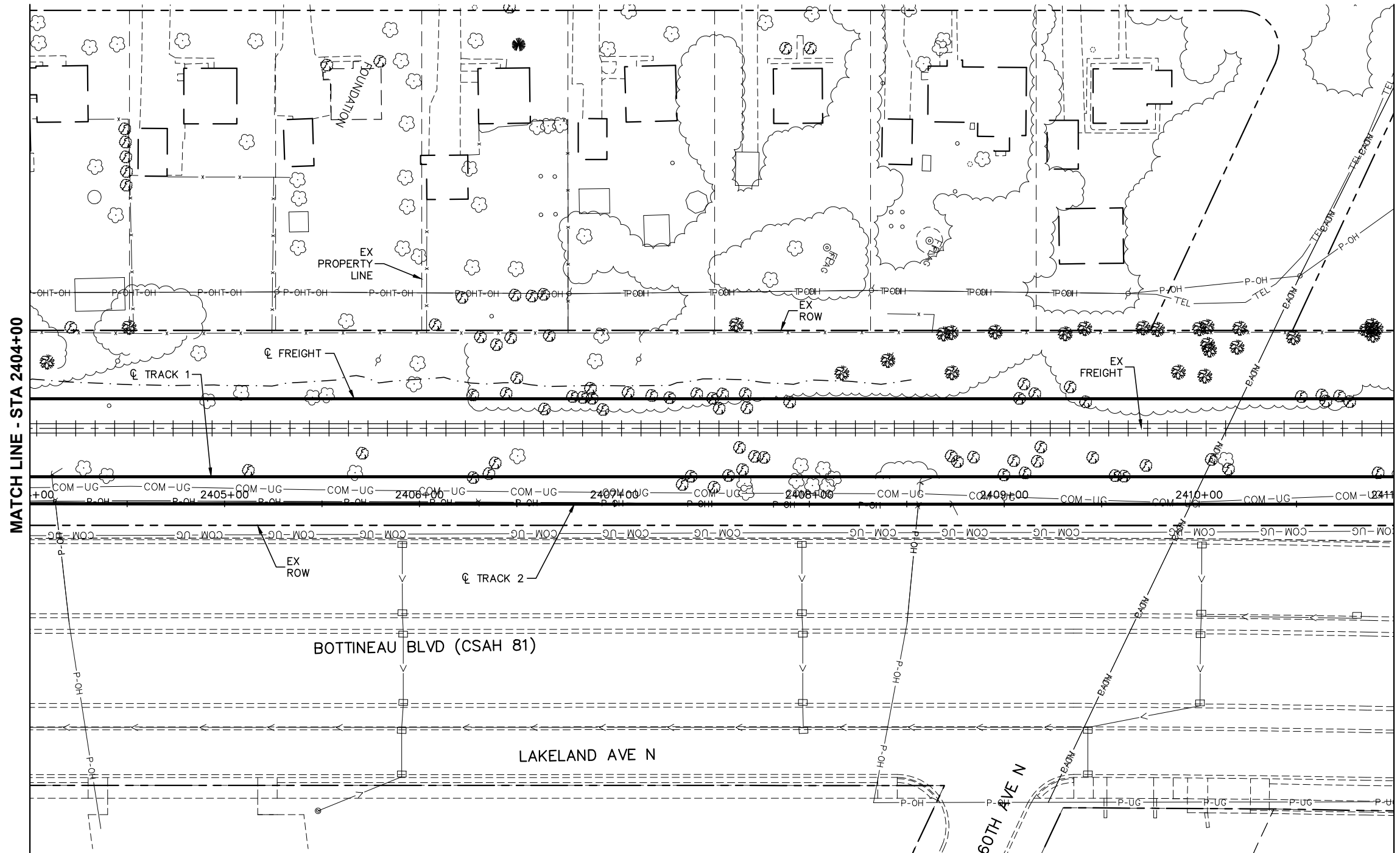
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RAIL CORRIDOR
EXISTING CONDITIONS
STA 2397+00 TO STA 2404+00**

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C-EXCON-PLN-012

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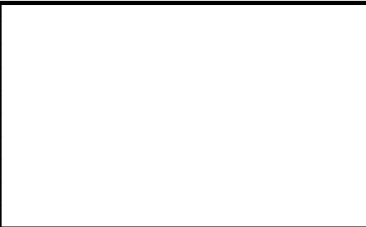
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SCALE IN FEET

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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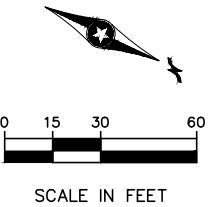
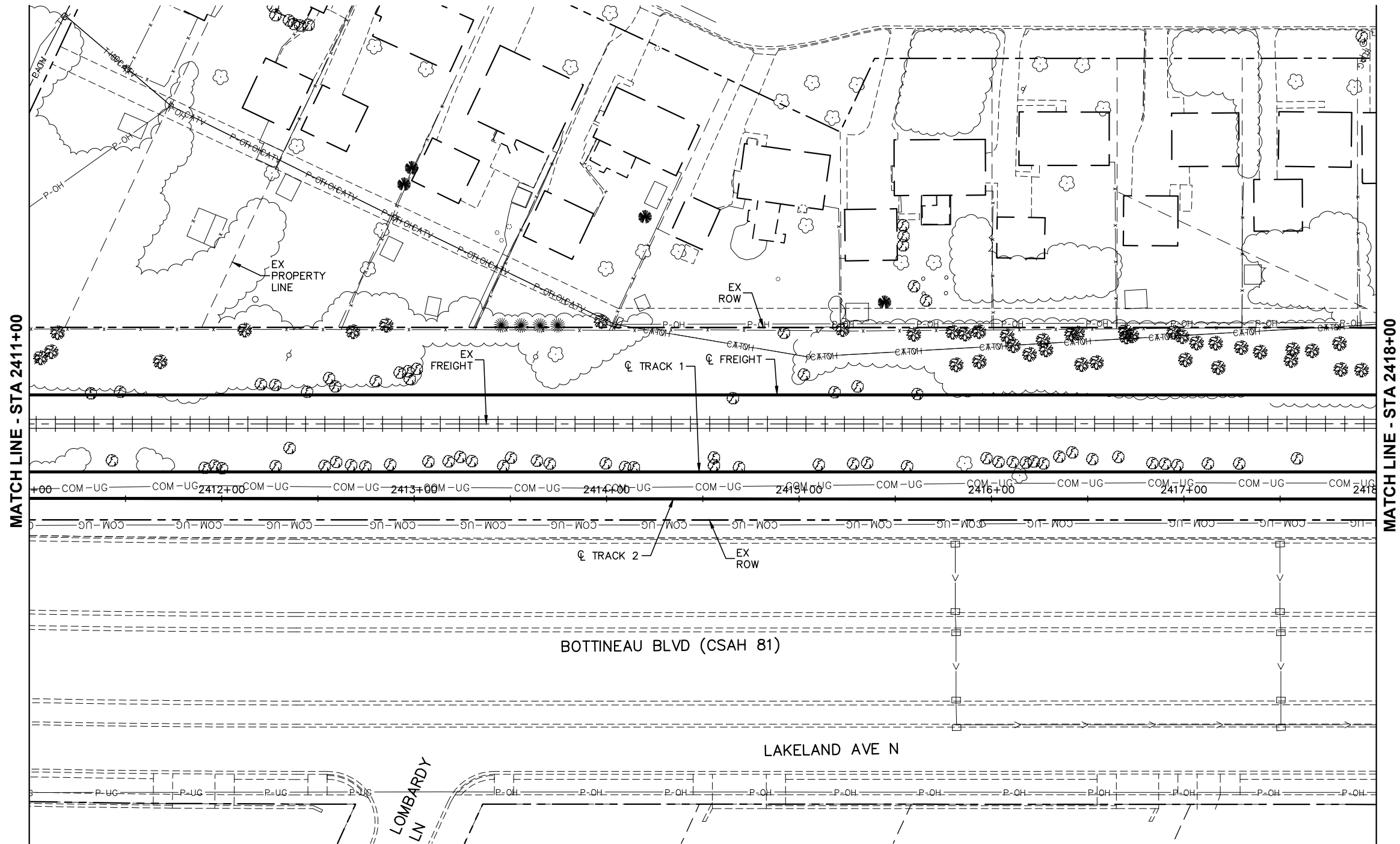
**SEGMENT C
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2404+00 TO STA 2411+00**

DISCIPLINE: **SURVEY**

SHEET NAME: **C-EXCON-PLN-013**

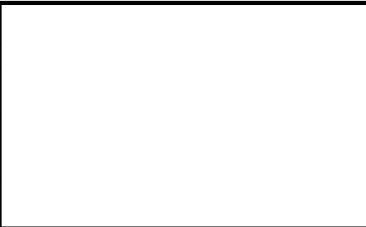
SHEET
16
OF
62

Dec, 01 2015 06:52 pm H: \BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: Newbauda



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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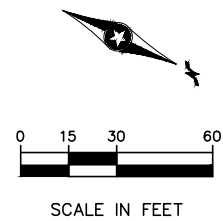
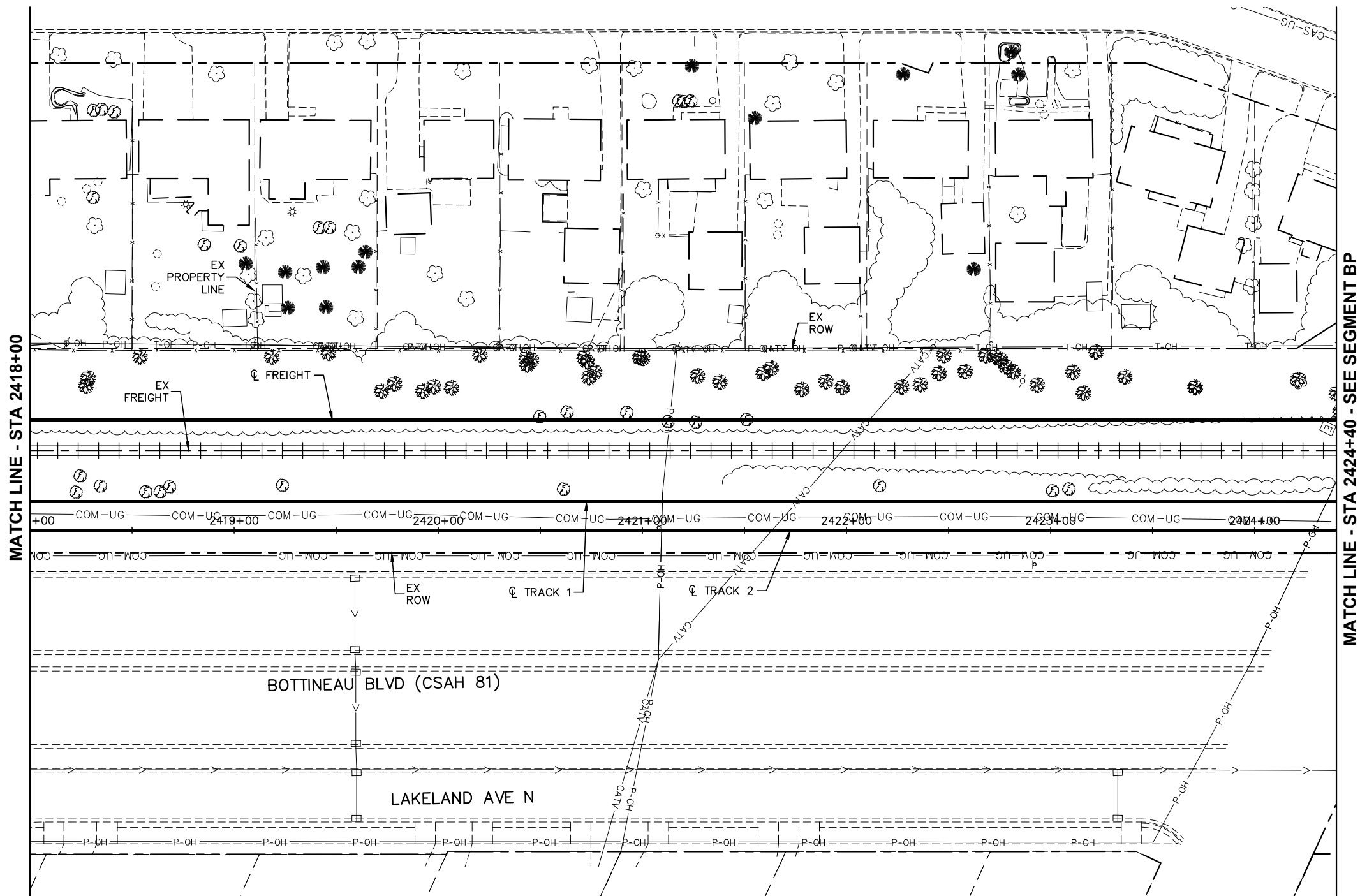


**SEGMENT C
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2411+00 TO STA 2418+00**

DISCIPLINE: **SURVEY** SHEET NAME: **C-EXCON-PLN-014**

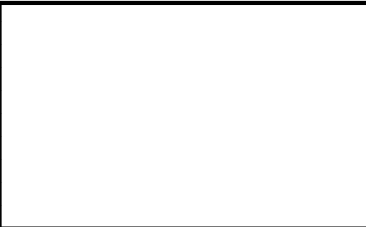
SHEET
17
OF
62

Dec, 01 2015 06:52 pm H: \BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: Newbauda



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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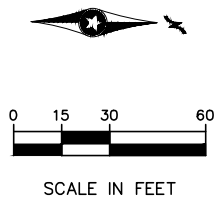
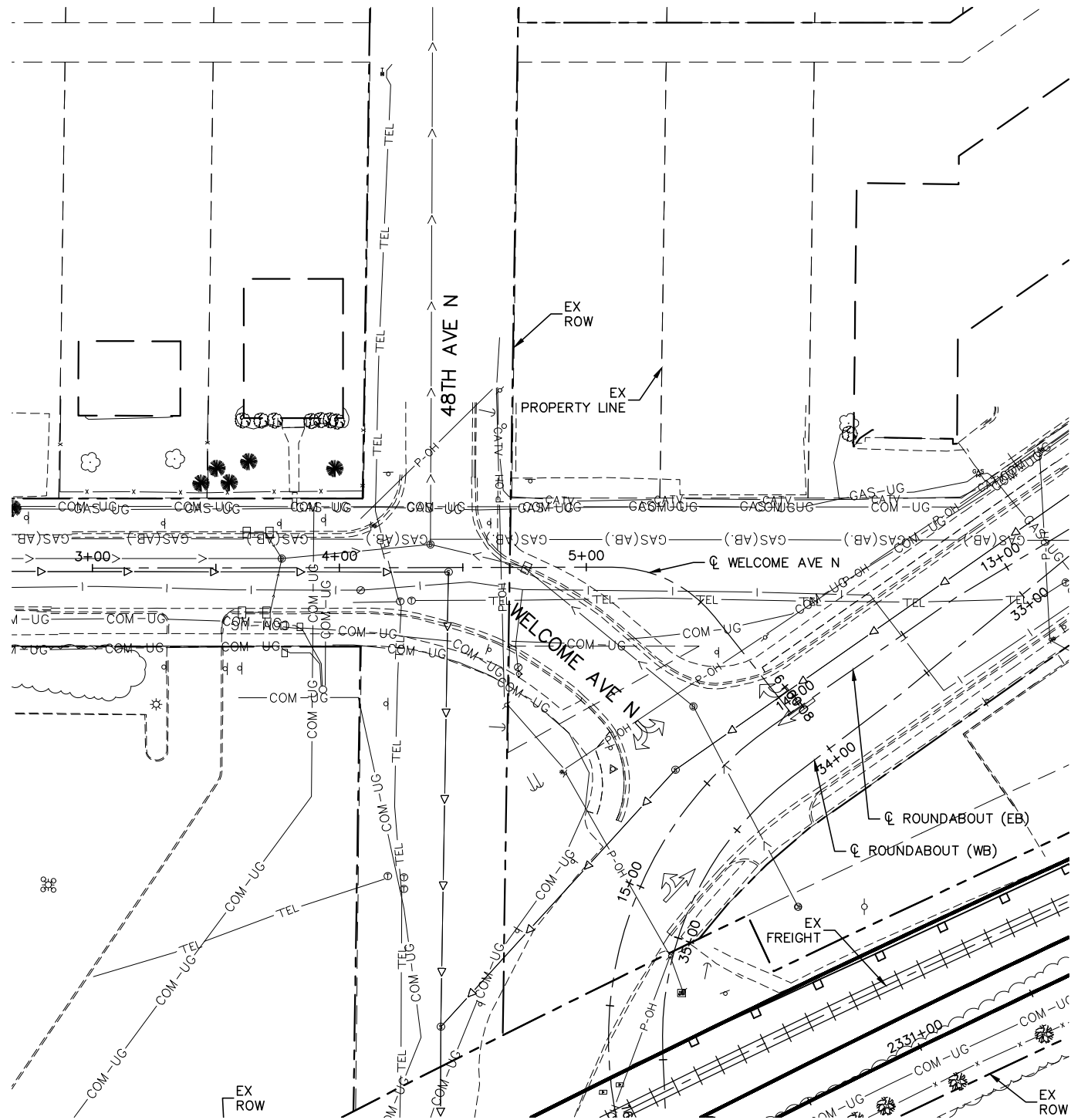
**SEGMENT C
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2418+00 TO STA 2424+40**

DISCIPLINE:
SURVEY

SHEET NAME:
C-EXCON-PLN-015

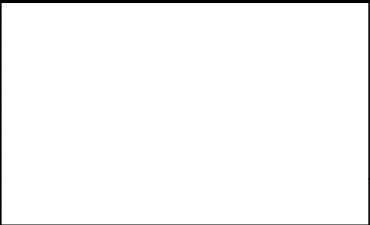
SHEET
18
OF
62

Dec, 01 2015 06:53 pm H: \BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: Newbauda



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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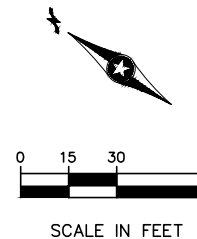
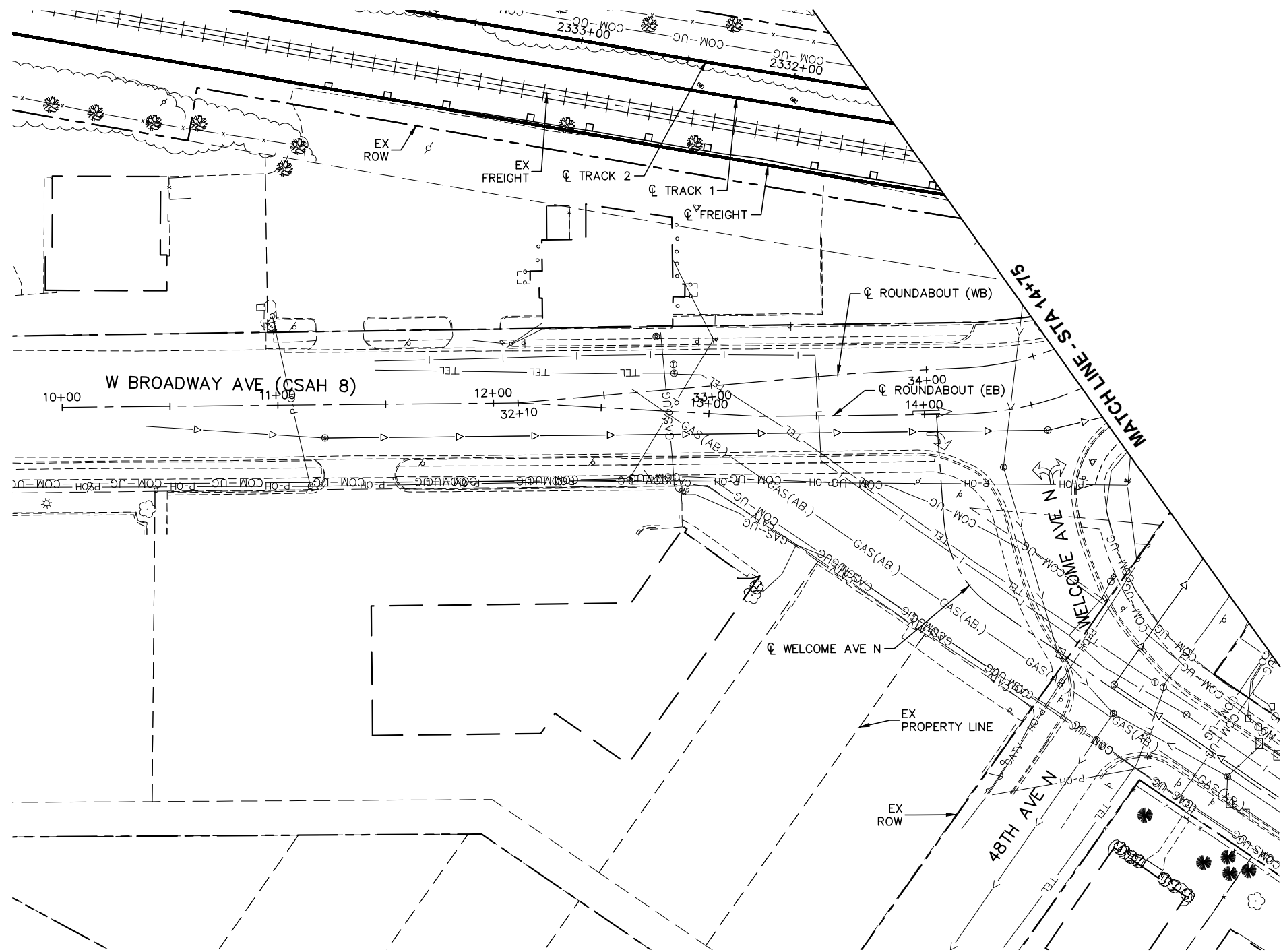
MUNICIPAL CONSENT

DISCIPLINE: SURVEY		SHEET NAME: C-EXCON-PLN-016	
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SHEET
19
OF
62

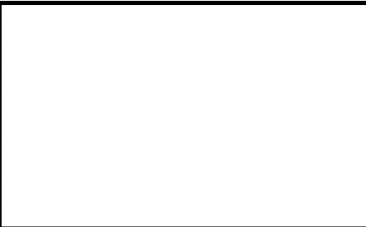
SEGMENT C
WELCOME AVE N
EXISTING CONDITIONS
STA 3+00 TO STA 6+08

Dec, 01 2015 06:54 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: Newbauda



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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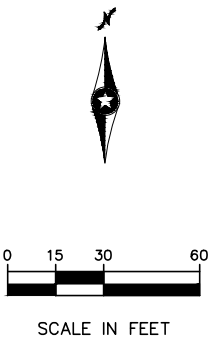
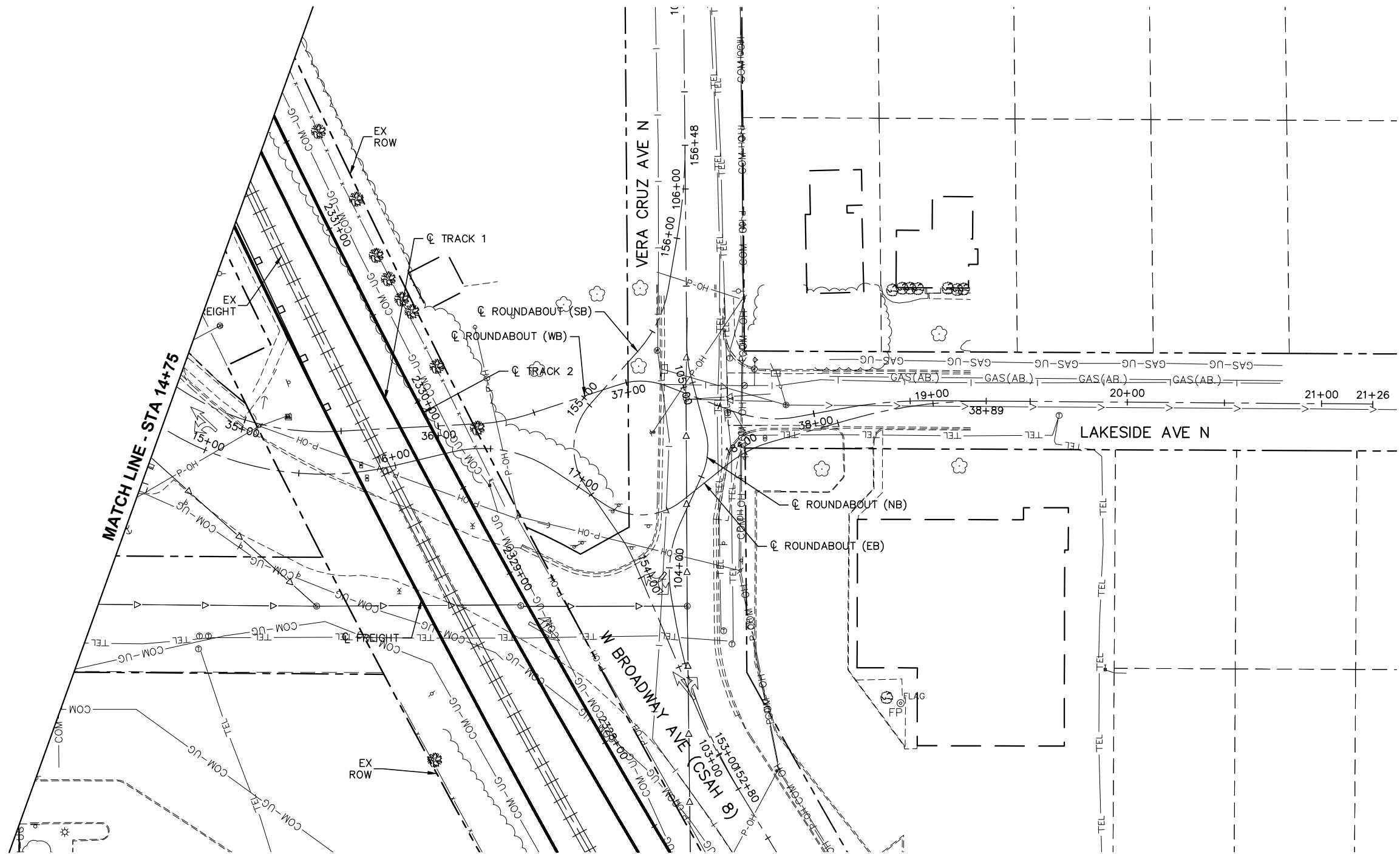
SEGMENT C
W BROADWAY AVE
EXISTING CONDITIONS
STA 10+00 TO STA 14+75

DISCIPLINE: **SURVEY**

SHEET NAME: **C-EXCON-PLN-017**

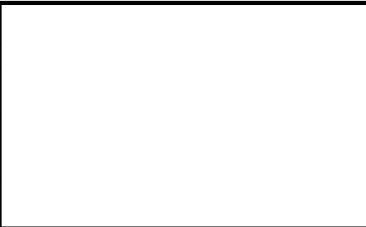
SHEET
20
OF
62

Dec, 07 2015 01:54 pm H: \BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: V-DordalJD



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





MUNICIPAL CONSENT



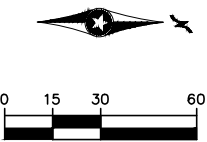
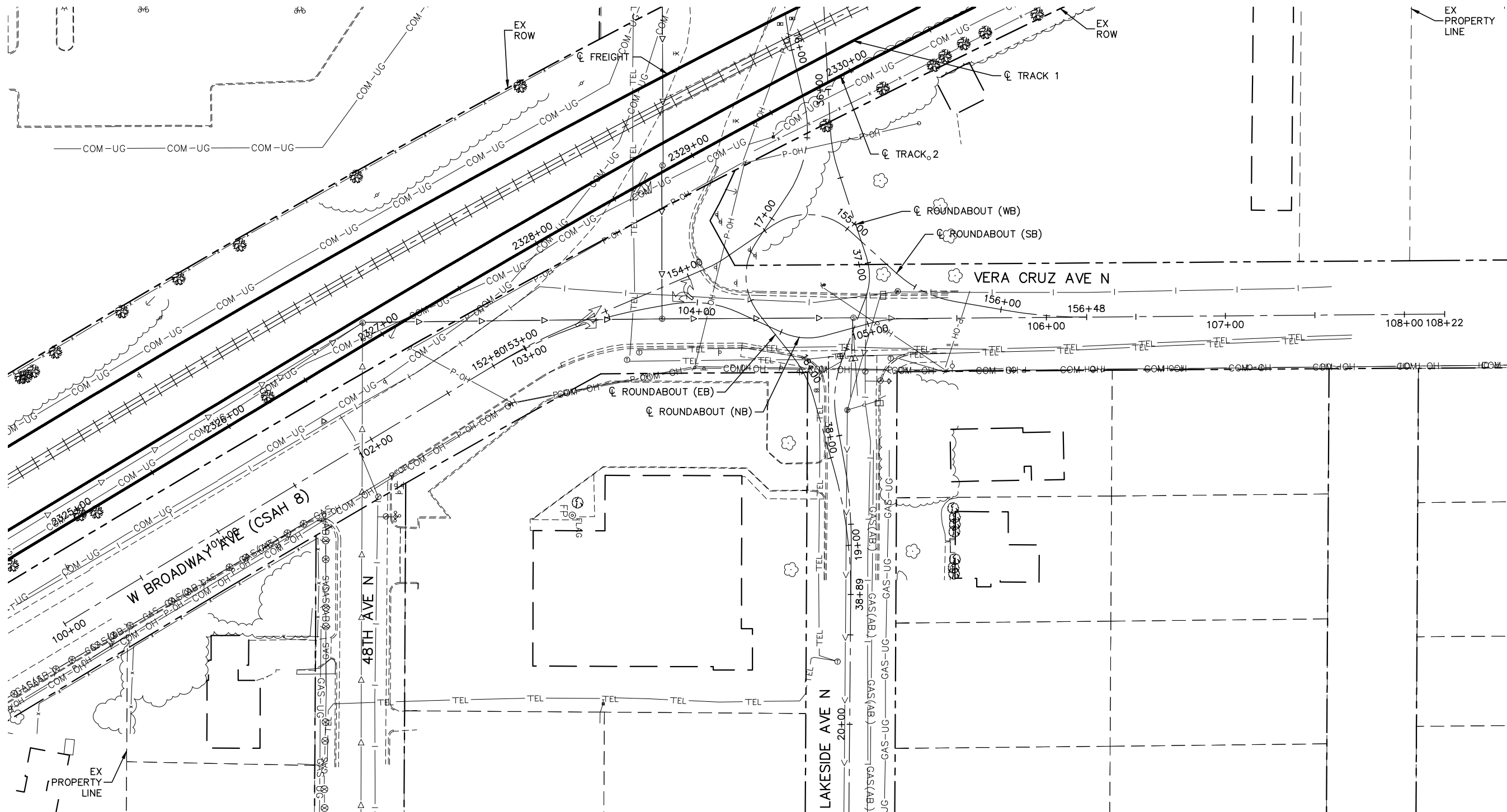
SEGMENT C
W BROADWAY AVE
EXISTING CONDITIONS
STA 14+75 TO STA 21+26

DISCIPLINE: SURVEY

SHEET NAME: C-EXCON-PLN-018

SHEET
21
OF
62

Dec, 01 2015 06:56 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: Newbauda



SCALE IN FEET

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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SEGMENT C
VERA CRUZ AVE
EXISTING CONDITIONS
STA 100+00 TO STA 108+22

DISCIPLINE: SURVEY

SHEET NAME: C-EXCON-PLN-019

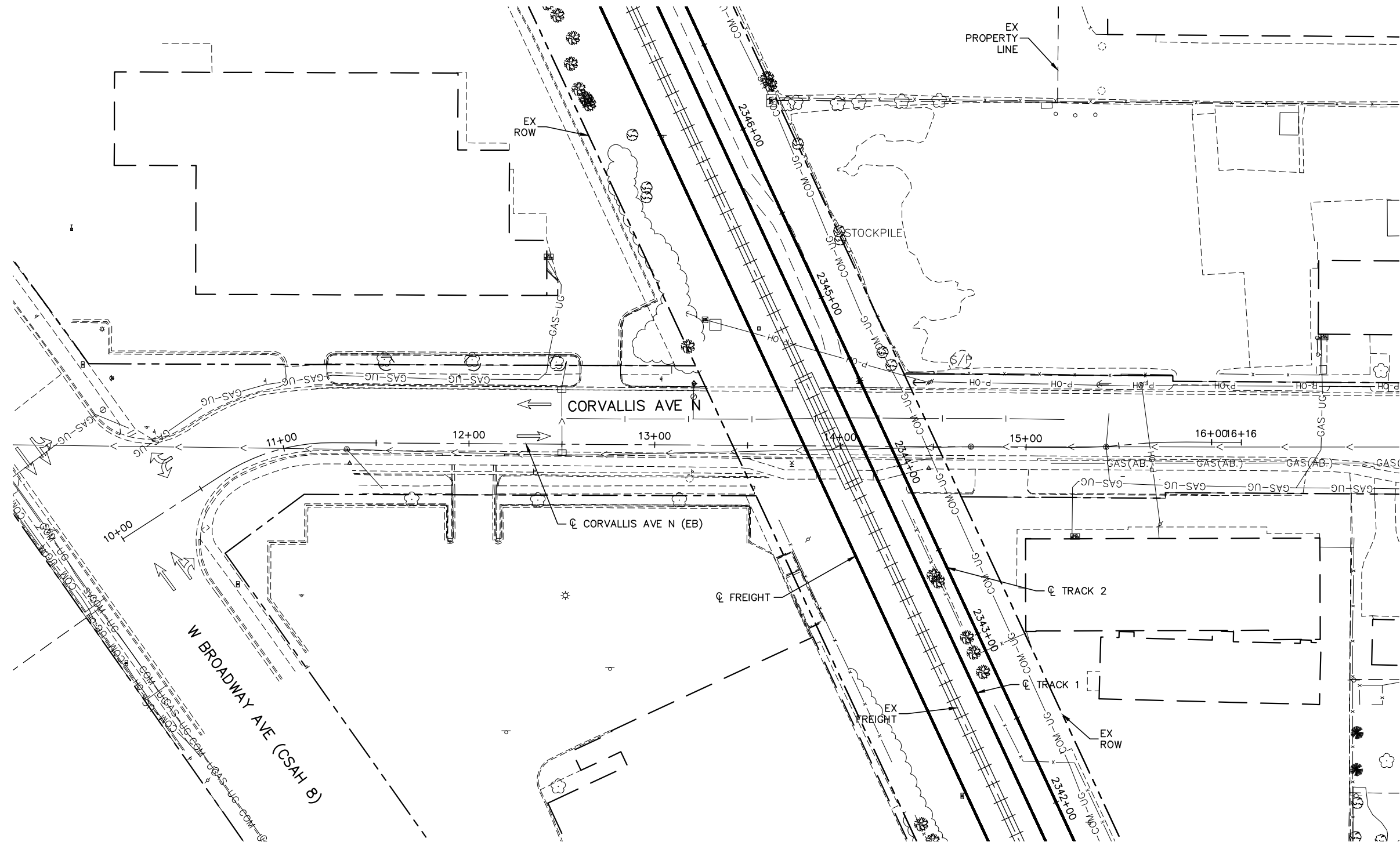
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22

OF

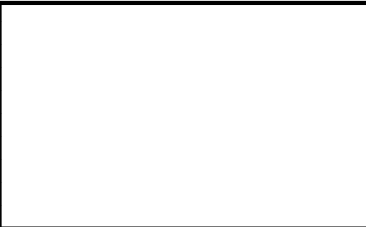
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Dec, 01 2015 06:57 pm H: \BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: Newbauda



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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MUNICIPAL CONSENT



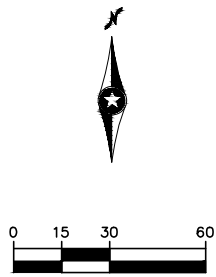
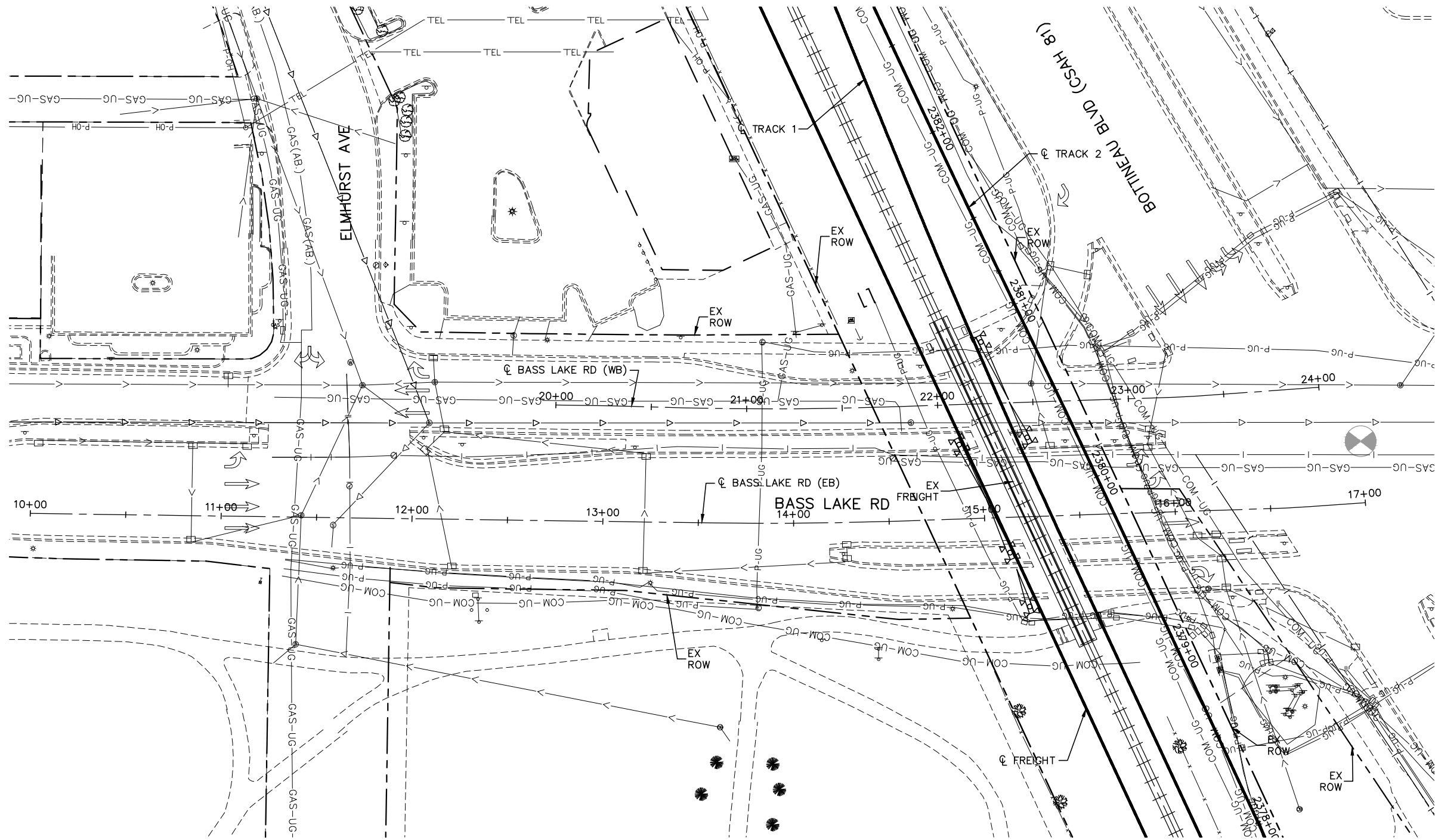
**SEGMENT C
CORVALLIS AVE
EXISTING CONDITIONS
STA 10+00 TO STA 16+16**

DISCIPLINE: **SURVEY**

SHEET NAME: **C-EXCON-PLN-020**

SHEET
23
OF
62

Dec, 07 2015 01:54 pm H: \BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: V-DordaiJD



SCALE IN FEET

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



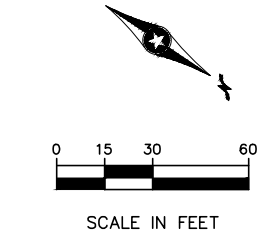
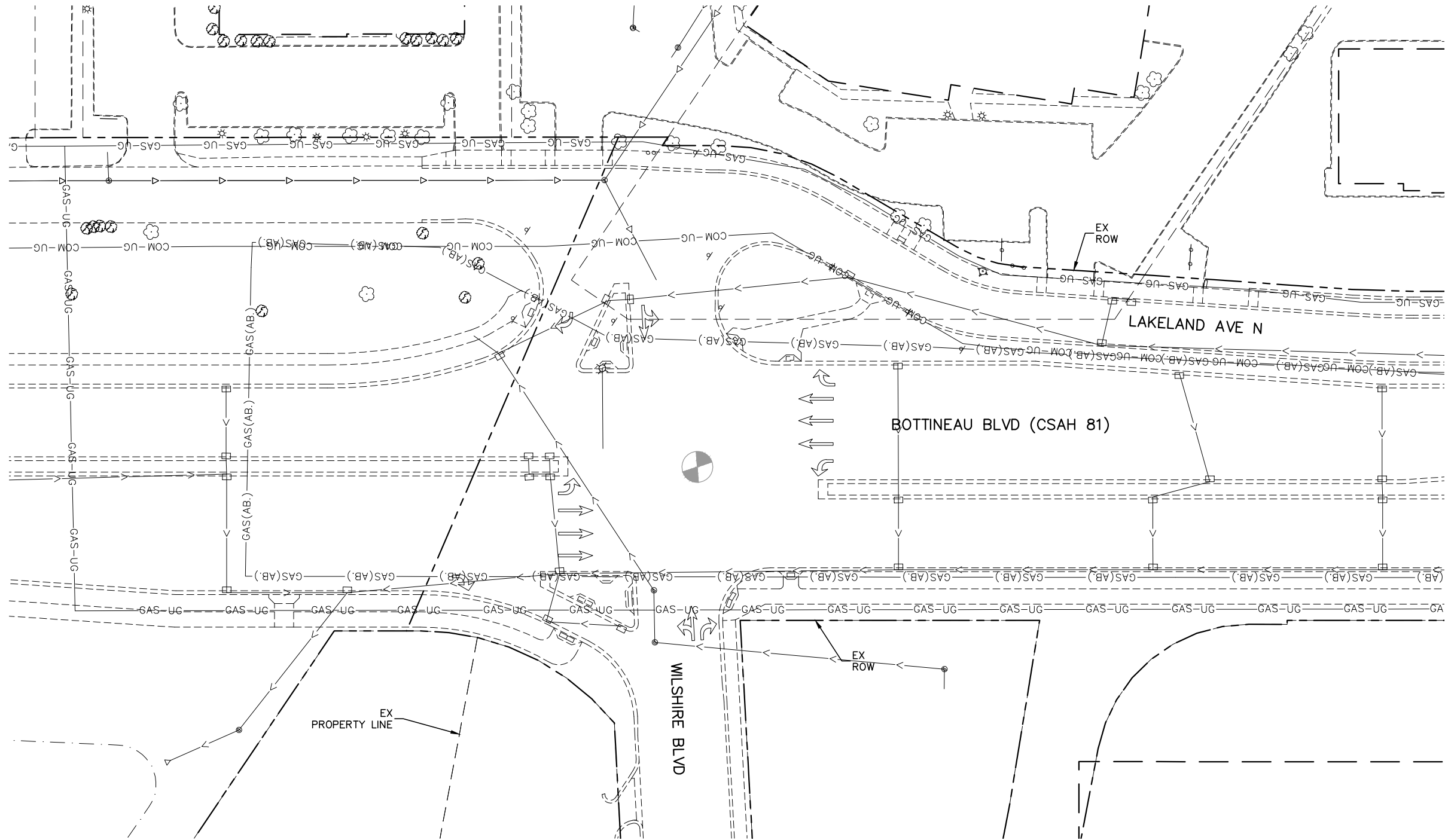
SEGMENT C
BASS LAKE RD
EXISTING CONDITIONS
STA 10+00 TO STA 17+00

DISCIPLINE: SURVEY

SHEET NAME: C-EXCON-PLN-021

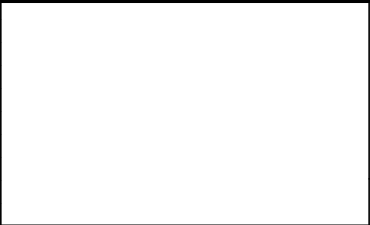
SHEET
24
OF
62

Dec, 01 2015 06:58 pm H: \BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-EXCON-PLN.dwg By: Newbauda



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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SEGMENT C WILSHIRE BLVD EXISTING CONDITIONS	
DISCIPLINE: SURVEY	SHEET NAME: C-EXCON-PLN-022

SHEET
25
OF
62

[illegible]

MUNICIPAL CONSENT

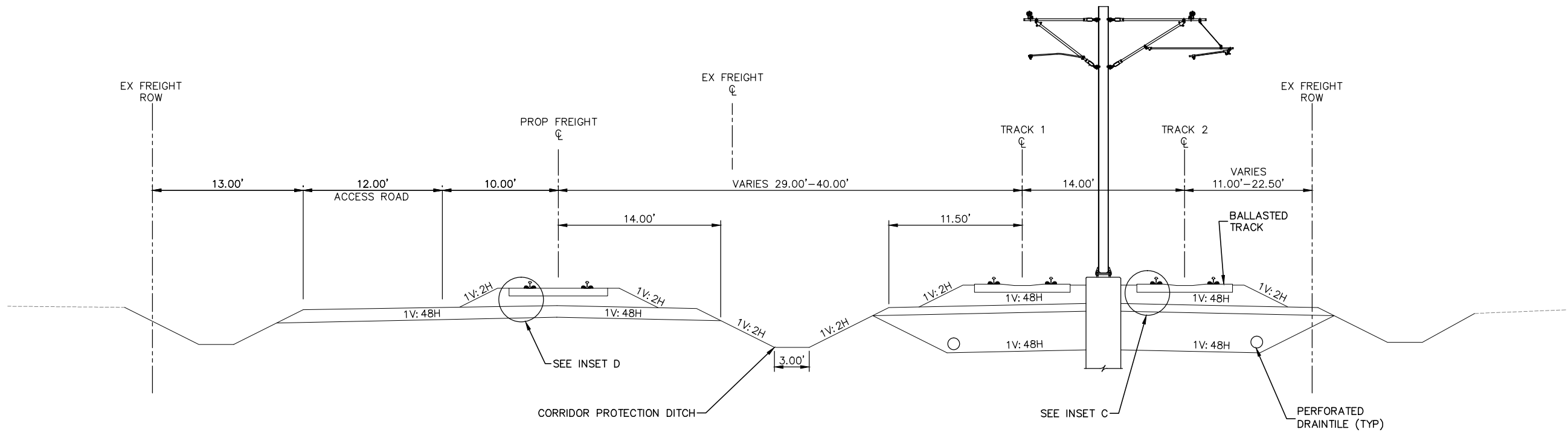


DISCIPLINE:	TRACK
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SHEET NAME:	C-TRK-IDX-001
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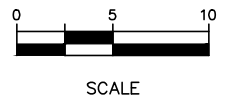
SHEET
26
OF
62

Dec, 03 2015 03:33 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-TYPS.dwg By: V-MatouM



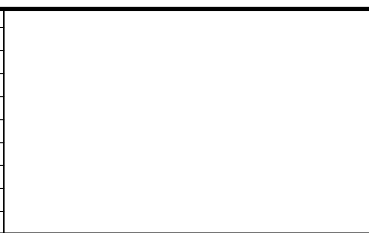
TYPICAL SECTION
STA. 2320+86 (BEGINNING OF SEGMENT C) TO 2331+53

- NOTE:
- 1. FOR INSETS, SEE SHEET 34
 - 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 - 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

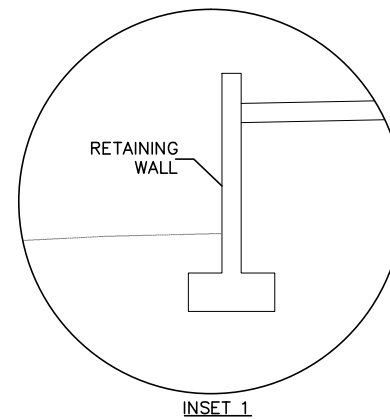


MUNICIPAL CONSENT

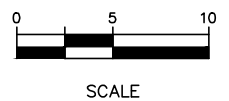
DISCIPLINE: TRACK		SHEET NAME: C-TRK-TYPS-001	
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SHEET
27
OF
62

TYPICAL SECTION
STA. 2331+53 TO 2347+83



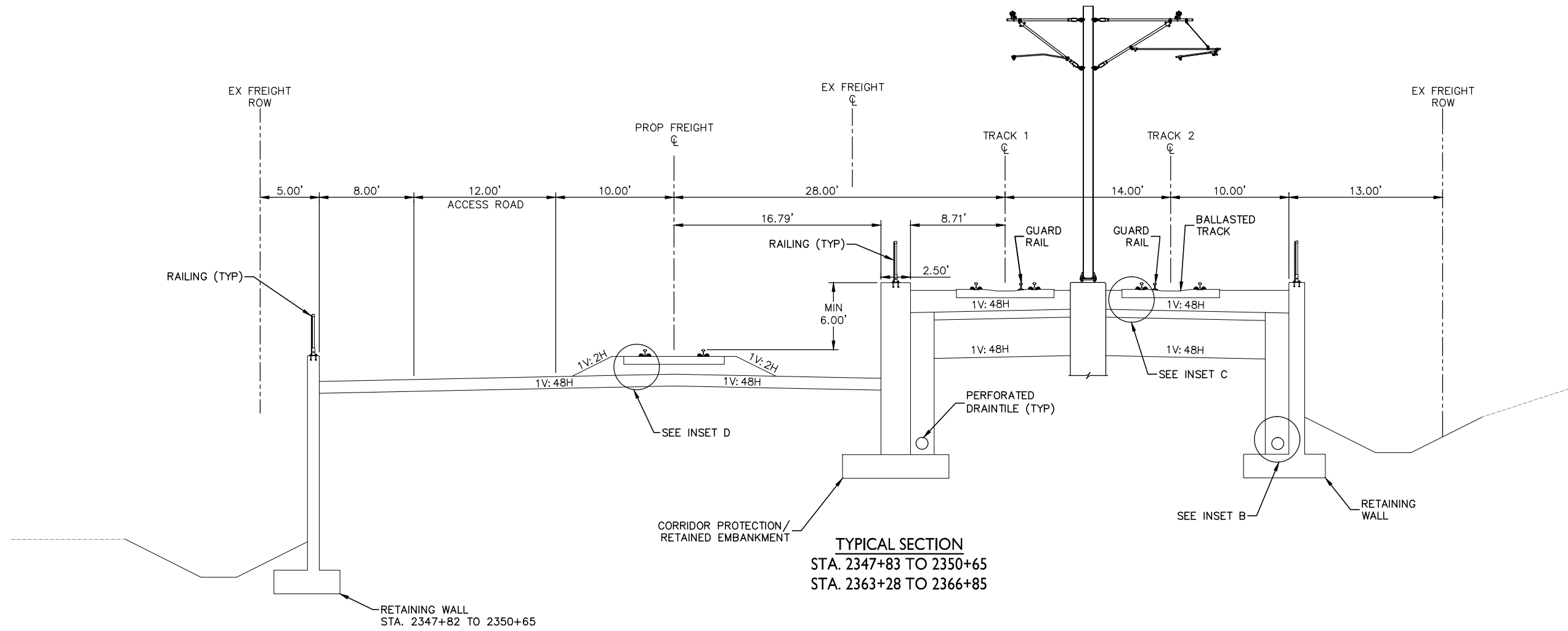
- NOTE:**
1. FOR INSETS, SEE SHEET 34
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	  WSP 	 	SEGMENT C TRACK TYPICAL SECTIONS		DISCIPLINE: TRACK	SHEET NAME: C-TRK-TYPS-002	SHEET 28 OF 62		
MUNICIPAL CONSENT														

Dec, 03 2015 03:34 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-TYPS.dwg By: V-Matoum



NOTE:
1. FOR INSETS, SEE SHEET 34
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT



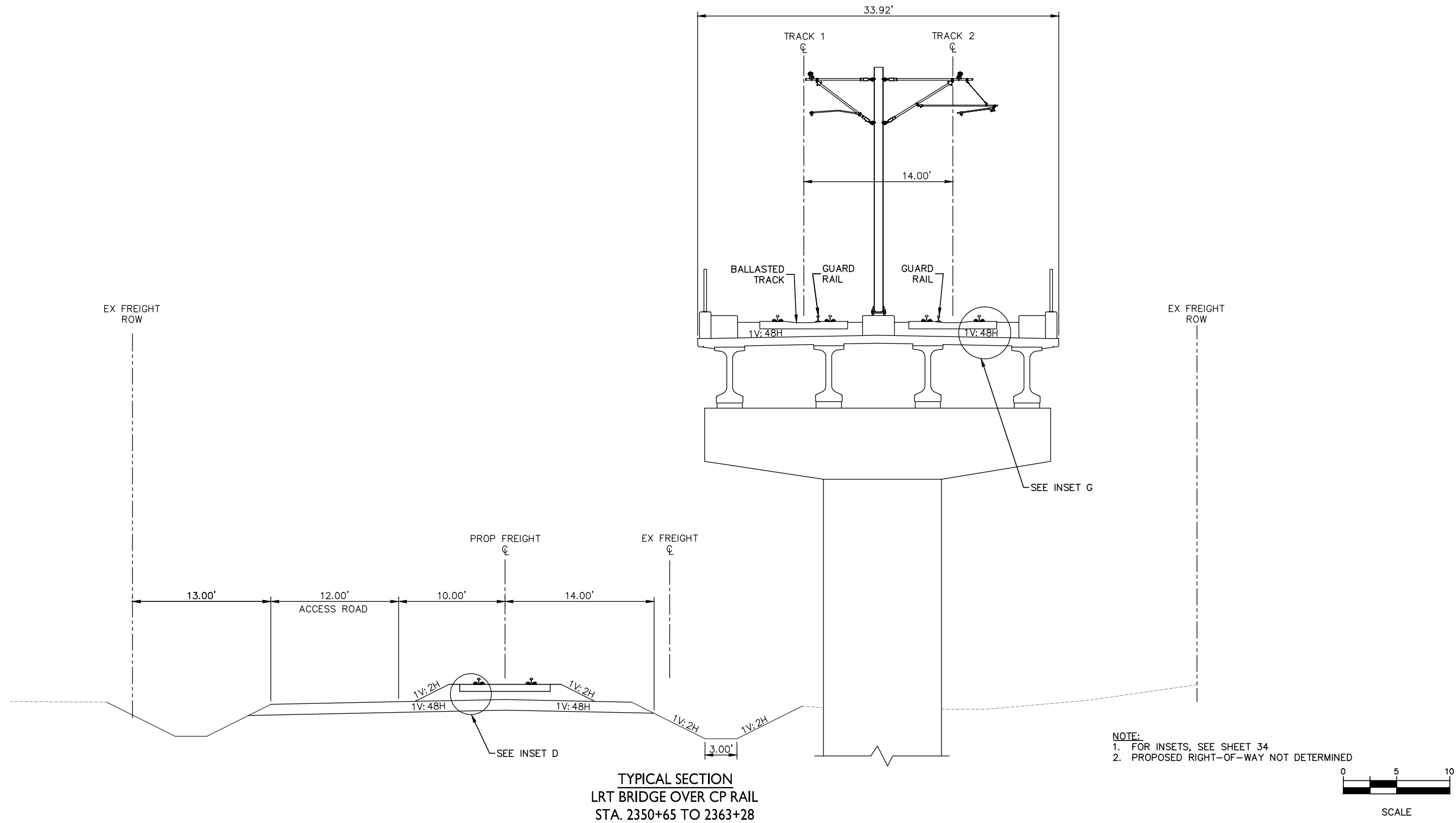
SEGMENT C
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: C-TRK-TYPS-003

SHEET
29
OF
62

Dec. 03 2015 03:34 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-TYP.dwg By: V-MatouM



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

WSP | PARSONS
BRINCKERHOFF

MUNICIPAL CONSENT



SEGMENT C
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: C-TRK-TYP-004

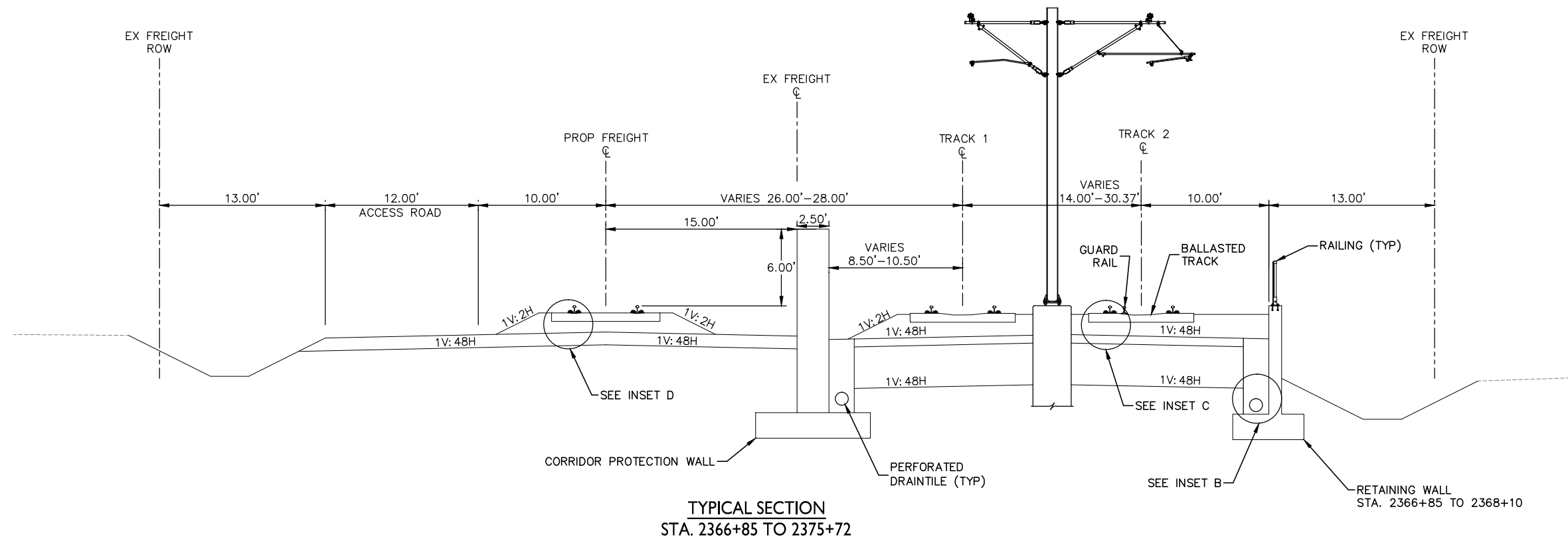
SHEET

30

OF

62

Dec, 03 2015 03:35 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-TYPS.dwg By: V-MatouM



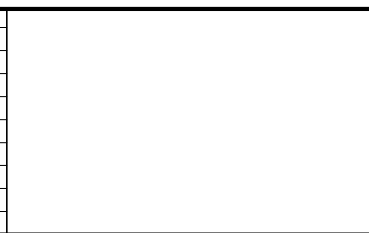
NOTE:
1. FOR INSETS, SEE SHEET 34
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





MUNICIPAL CONSENT



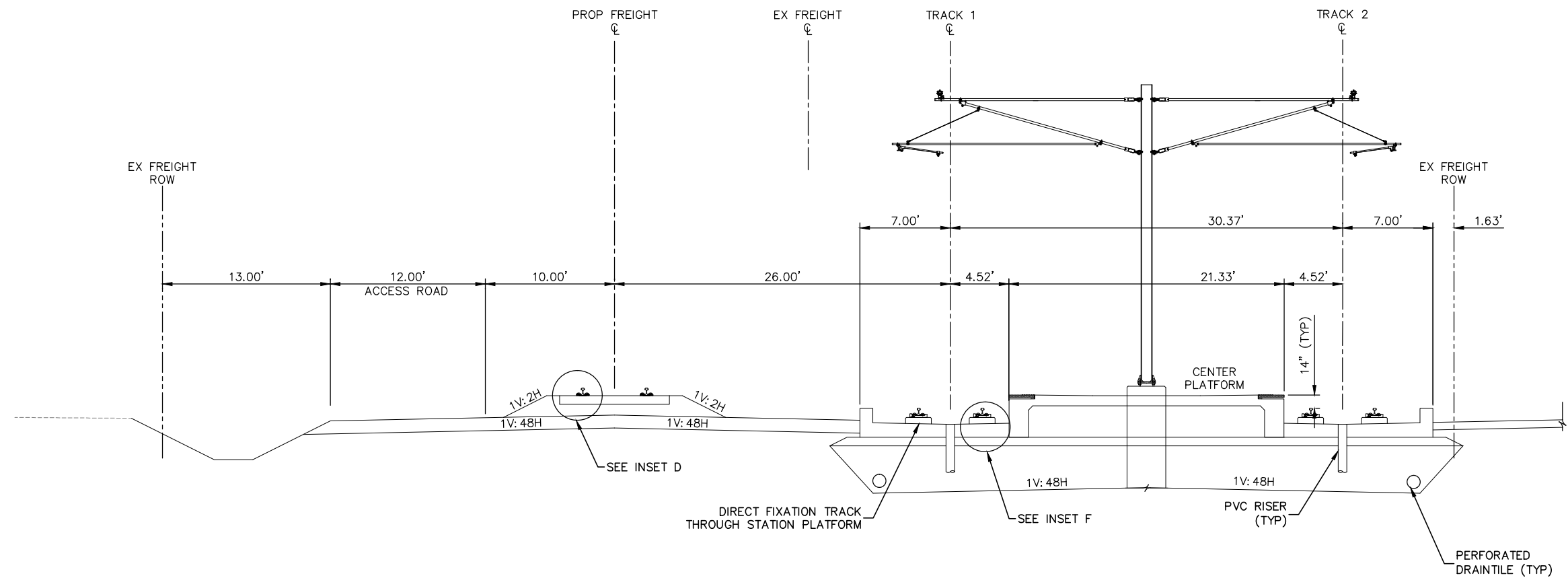
SEGMENT C
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: C-TRK-TYPS-005

SHEET
31
OF
62

Dec, 07 2015 03:30 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-TYPS.dwg By: V-Prudho



TYPICAL SECTION
BASS LAKE ROAD STATION
STA. 2375+72 TO 2379+03

- NOTE:
1. FOR INSETS, SEE SHEET 34
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT



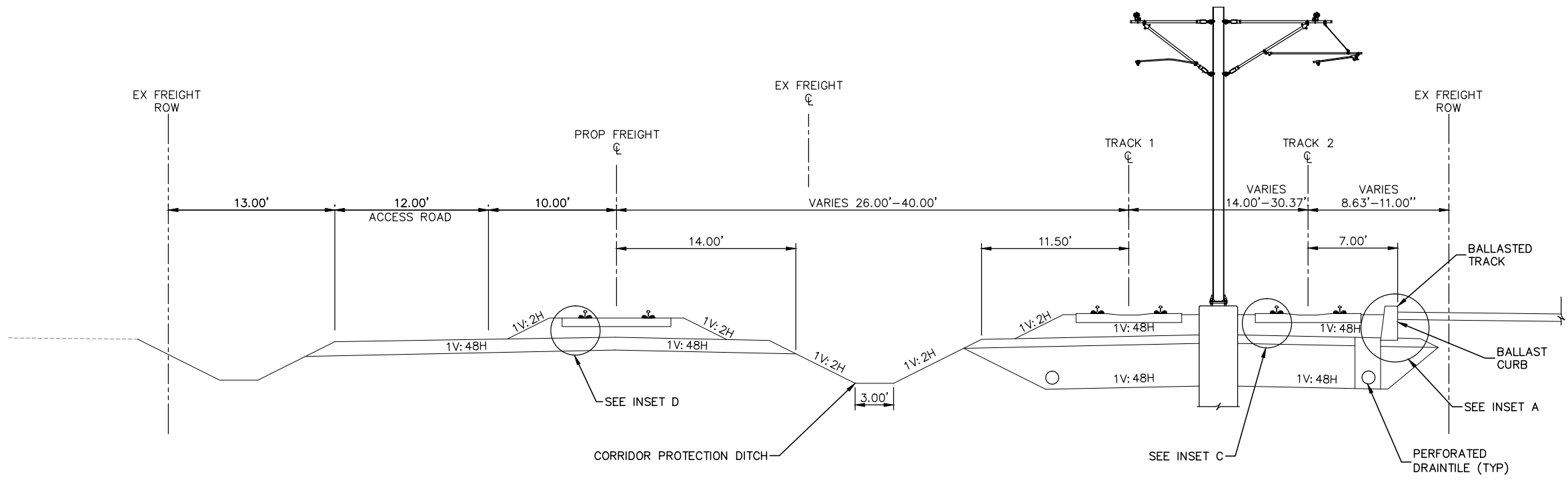
SEGMENT C
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: C-TRK-TYPS-006

SHEET
32
OF
62

Dec, 03 2015 03:36 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-TYPS.dwg By: V-MatouM



TYPICAL SECTION
STA. 2379+03 TO 2424+40 (SEGMENT C END)

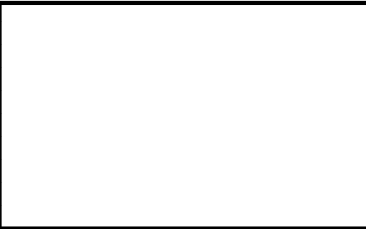
- NOTE:
- 1. FOR INSETS, SEE SHEET 34
 - 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 - 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





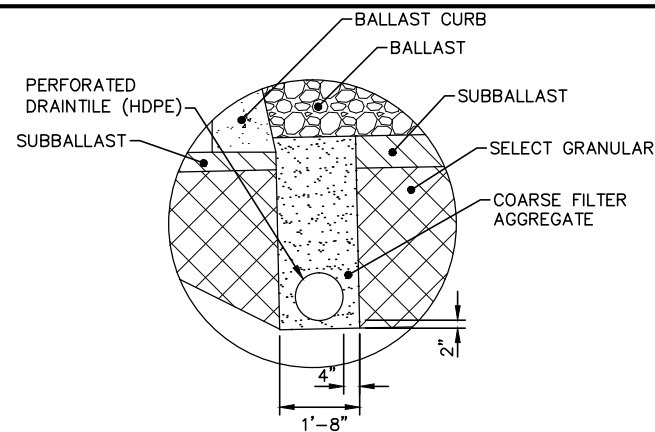
MUNICIPAL CONSENT



SEGMENT C TRACK TYPICAL SECTIONS	
DISCIPLINE: TRACK	SHEET NAME: C-TRK-TYPS-007

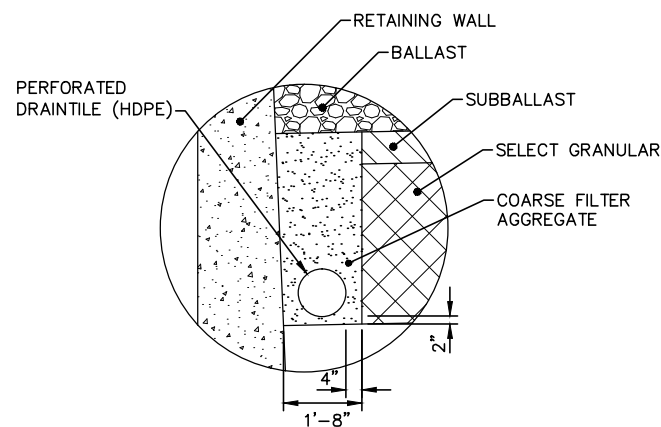
SHEET
33
OF
62

Dec. 03 2015 03:37 pm H:\BPO\550_Design_Consultant\CAD\003--SEGMENT-C\MCP\PLAN SHEETS\TRACK\C-TRK-TYPS.dwg By: V-MatouM



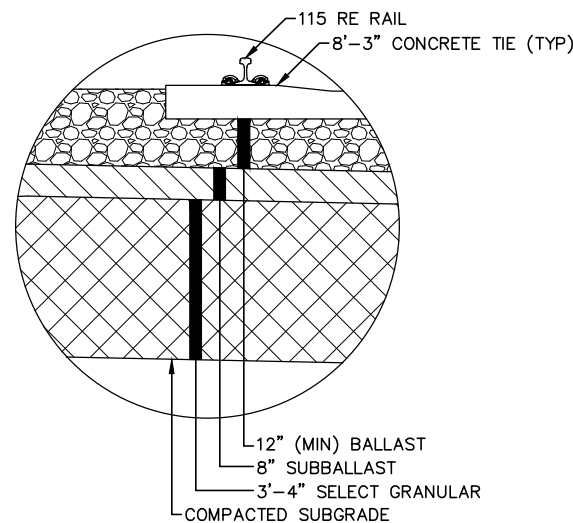
INSET A – BALLAST CURB INTERFACE

NOTE: LEFT SIDE DRAINAGE TRENCH ILLUSTRATED.
FOR RIGHT SIDE, MIRROR SECTION.

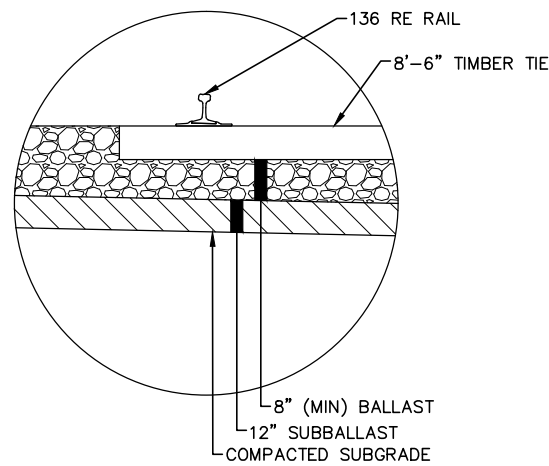


INSET B – RETAINING WALL INTERFACE

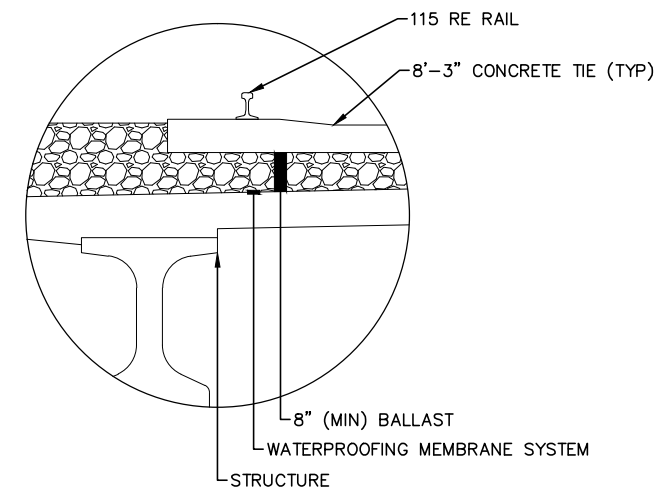
NOTE: LEFT SIDE DRAINAGE TRENCH ILLUSTRATED.
FOR RIGHT SIDE, MIRROR SECTION.



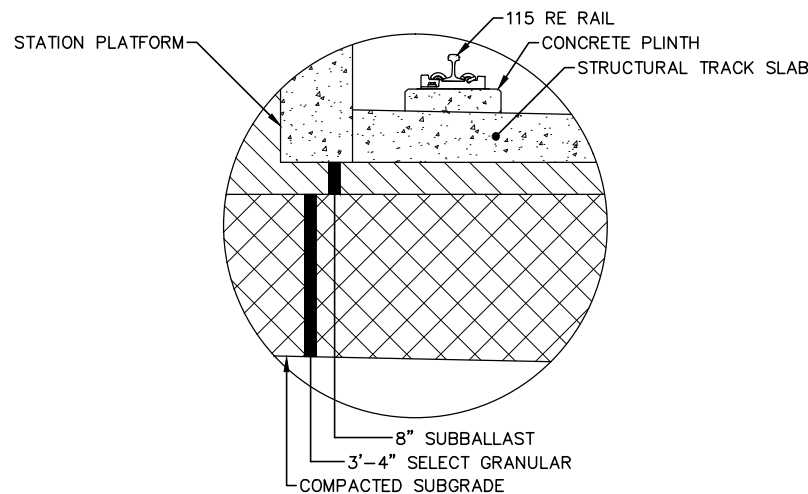
INSET C – TYPICAL BALLASTED TRACK



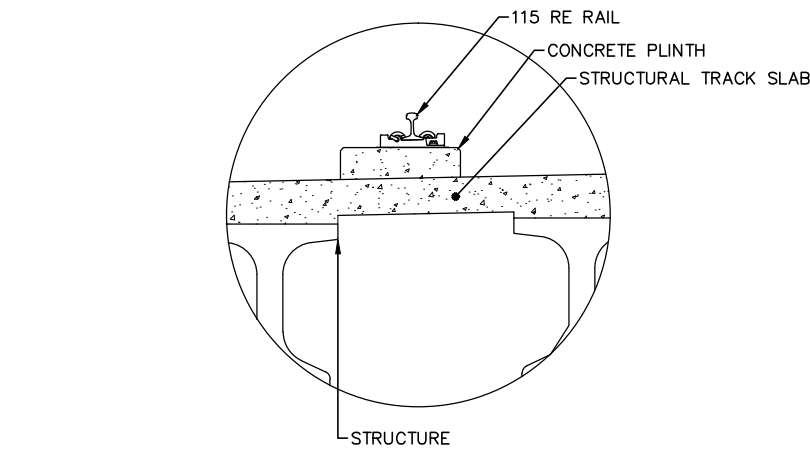
INSET D – TYPICAL BALLASTED FREIGHT TRACK



INSET E – TYPICAL TRAIL

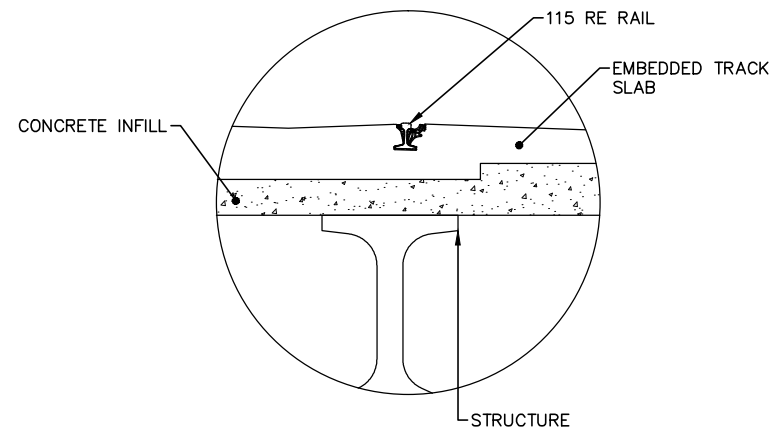


INSET F – TYPICAL DIRECT FIXATION INTERFACE
AT STATION PLATFORM



INSET G – BALLASTED LRT TRACK ON STRUCTURE

INSET H – DIRECT FIXATION LRT TRACK ON
STRUCTURE



INSET I – EMBEDDED LRT TRACK ON STRUCTURE

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NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

Kimley»Horn

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BRINCKERHOFF

MUNICIPAL CONSENT



SEGMENT C
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: C-TRK-TYPS-008

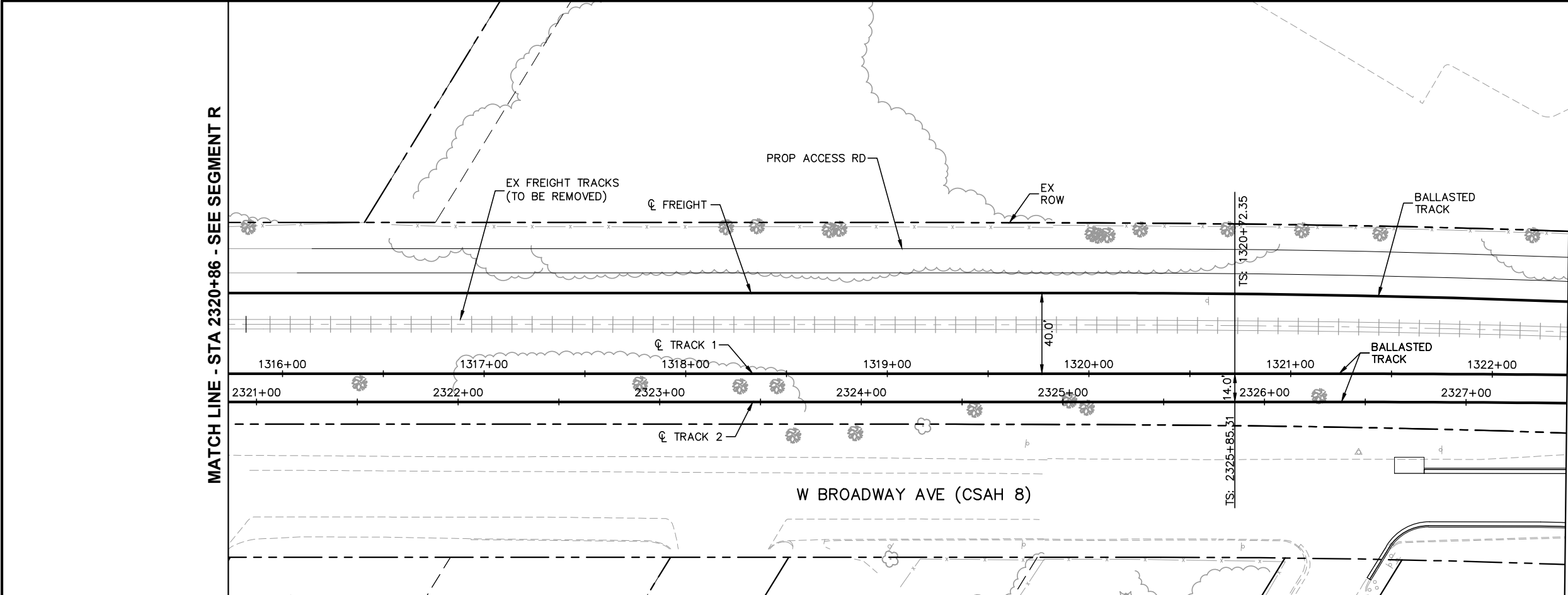
SHEET

34

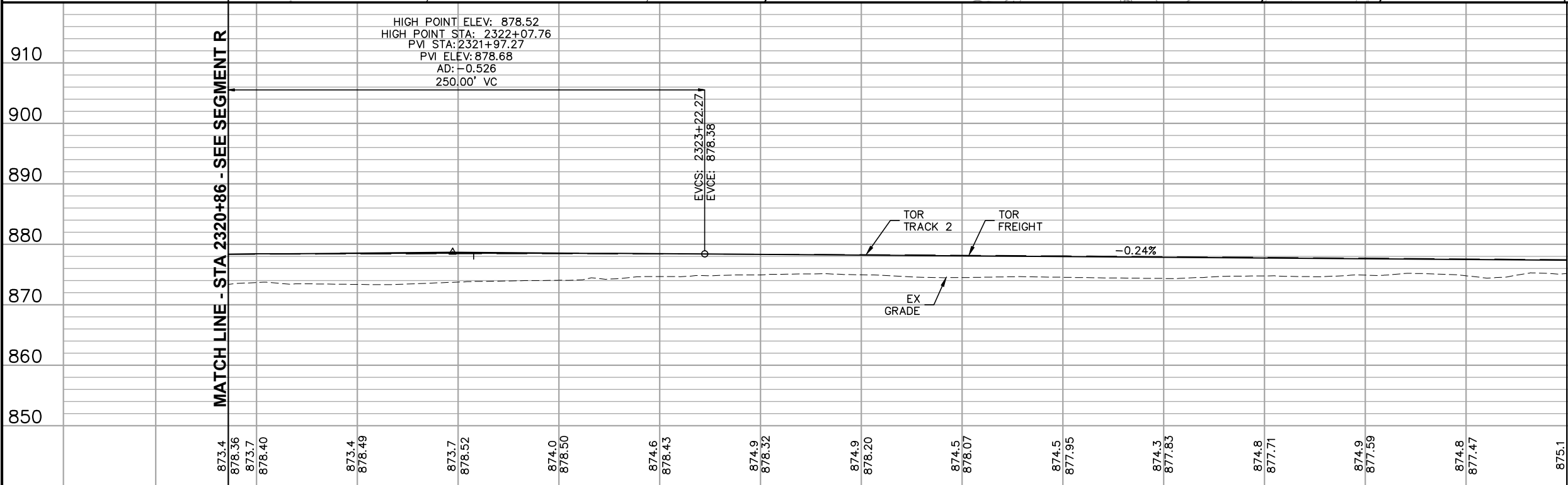
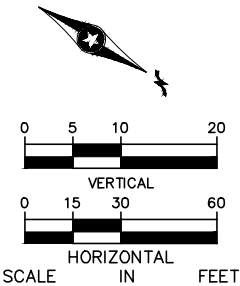
OF

62

Dec, 03 2015 03:41 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\WC\PLAN SHEETS\TRACK\C-TRK-PPFL.dwg By: V-MataJM



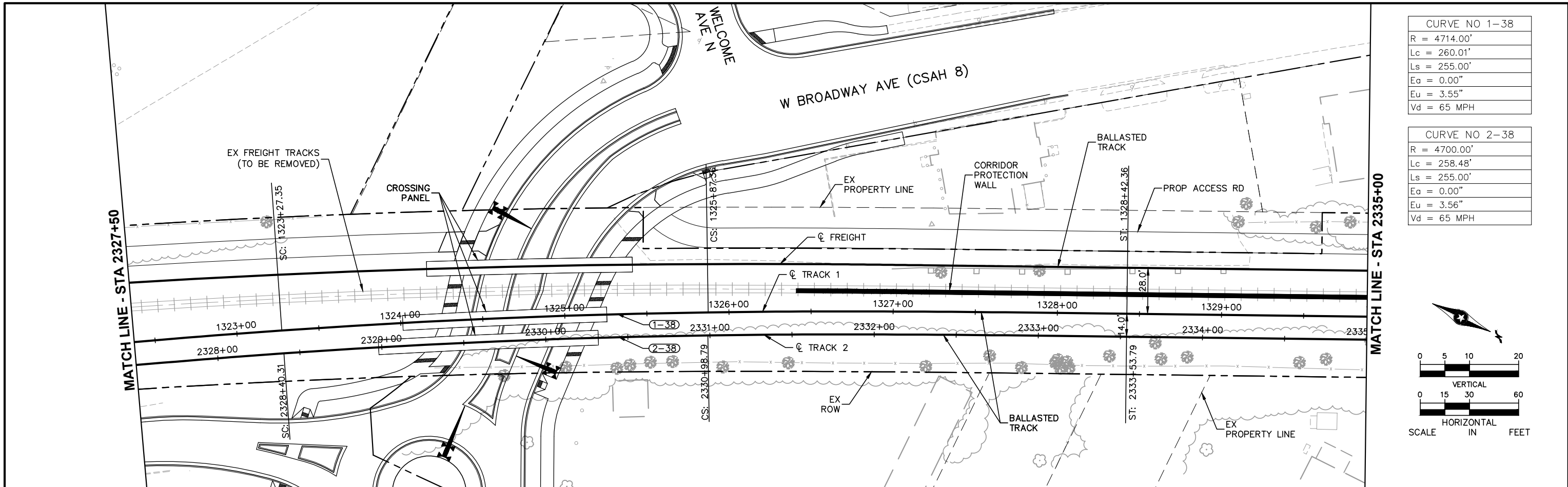
MATCH LINE - STA 2327+50



MATCH LINE - STA 2327+50

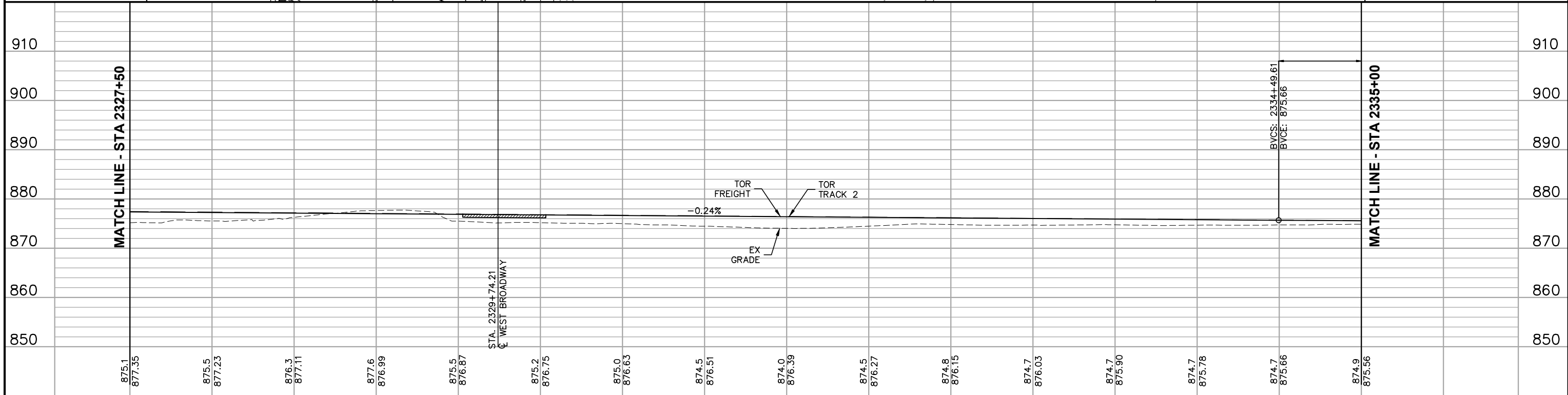
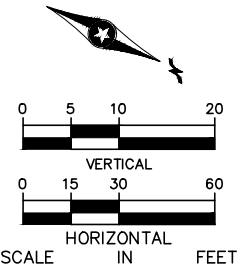
2320+86 2321+00						2322+00	2323+00	2324+00	2325+00	2326+00	2327+00	2327+50	DRAFT-WORK IN PROCESS	
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	Kimley»Horn WSP PARSONS BRINCKERHOFF MUNICIPAL CONSENT		METRO BLUE LINE EXTENSION METROPOLITAN COUNCIL		SEGMENT C RAIL CORRIDOR PLAN AND PROFILE STA 2320+86 TO STA 2327+50			SHEET	
					35									
					OF									
					62									
								DISCIPLINE: TRACK		SHEET NAME: C-TRK-PPFL-001				

Dec. 03 2015 03:43 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-PPFL.dwg By: V-MatouM



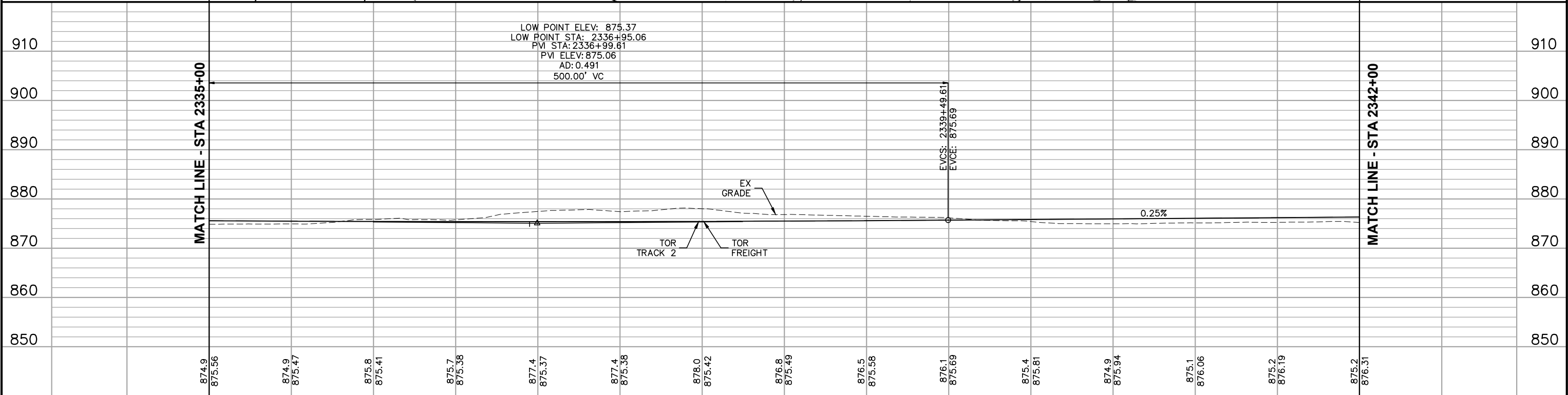
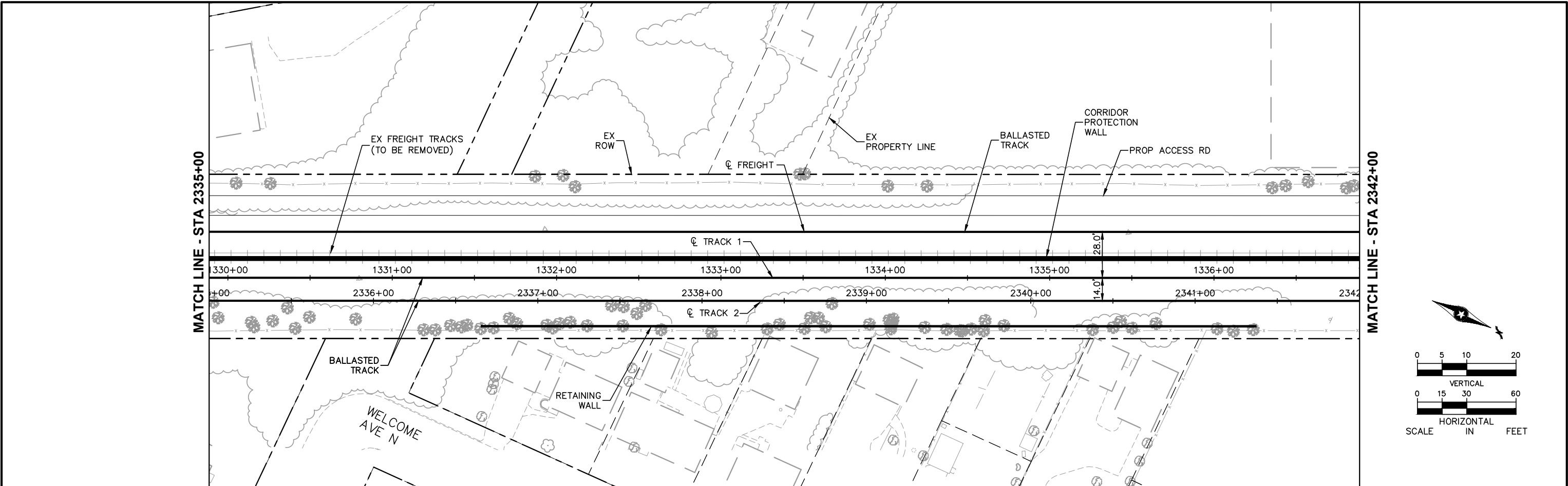
CURVE NO 1-38
R = 4714.00'
Lc = 260.01'
Ls = 255.00'
Ea = 0.00"
Eu = 3.55"
Vd = 65 MPH

CURVE NO 2-38
R = 4700.00'
Lc = 258.48'
Ls = 255.00'
Ea = 0.00"
Eu = 3.56"
Vd = 65 MPH

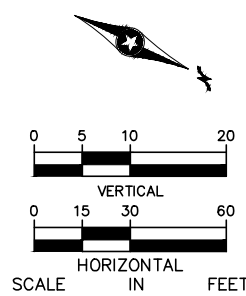
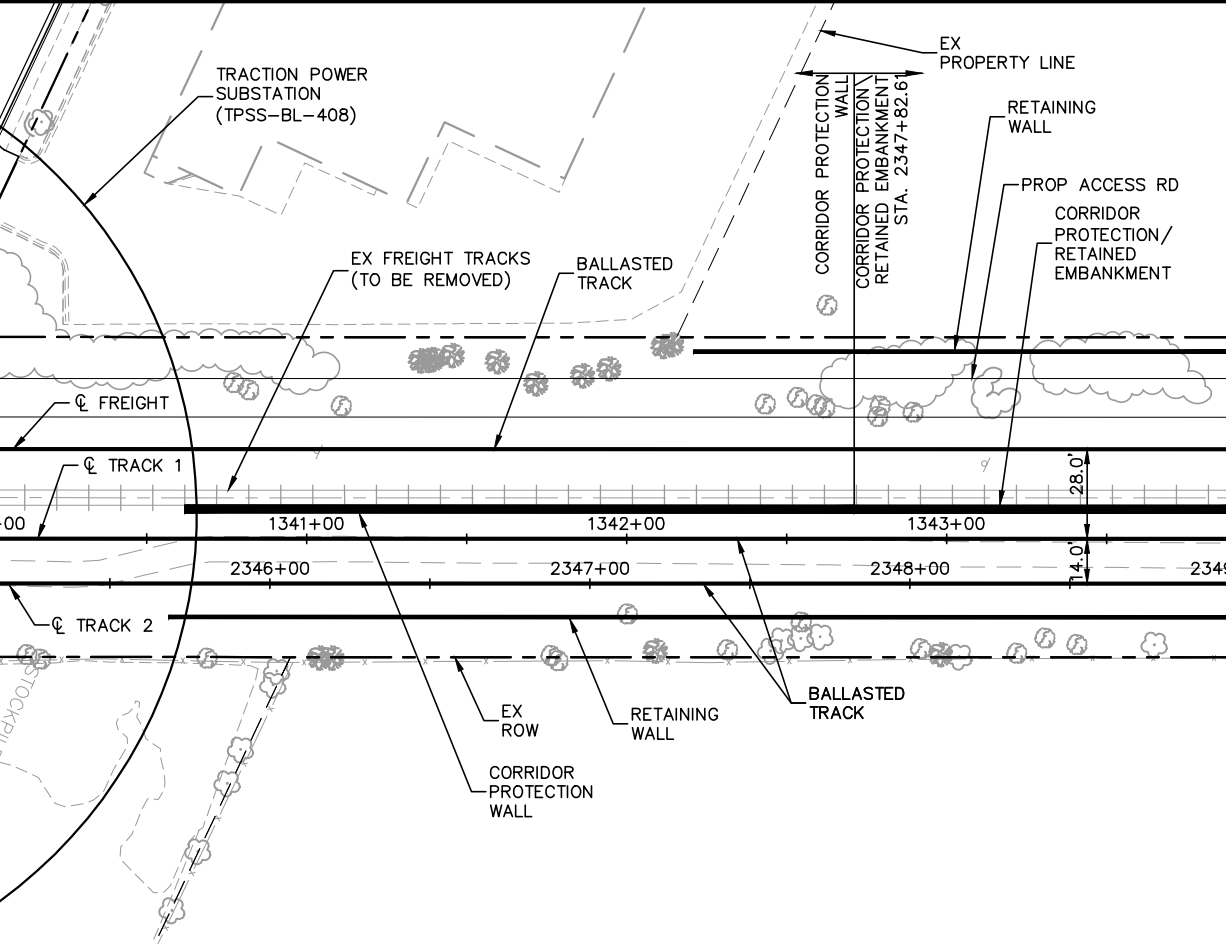


2327+50 2328+00						2329+00	2330+00	2331+00	2332+00	2333+00	2334+00	2335+00 DRAFT-WORK IN PROCESS	
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	Kimley»Horn WSP PARSONS BRINCKERHOFF MUNICIPAL CONSENT			METRO BLUE LINE EXTENSION Bondhusu LRT METROPOLITAN COUNCIL		SEGMENT C RAIL CORRIDOR PLAN AND PROFILE STA 2327+50 TO STA 2335+00 DISCIPLINE: TRACK SHEET NAME: C-TRK-PPFL-002		SHEET 36 OF 62

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2335+00						2336+00		2337+00		2338+00		2339+00		2340+00		2341+00		2342+00		DRAFT-WORK IN PROCESS	
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	MUNICIPAL CONSENT SEGMENT C RAIL CORRIDOR PLAN AND PROFILE STA 2335+00 TO STA 2342+00 DISCIPLINE: TRACK SHEET NAME: C-TRK-PPFL-003 SHEET 37 OF 62														SHEET	

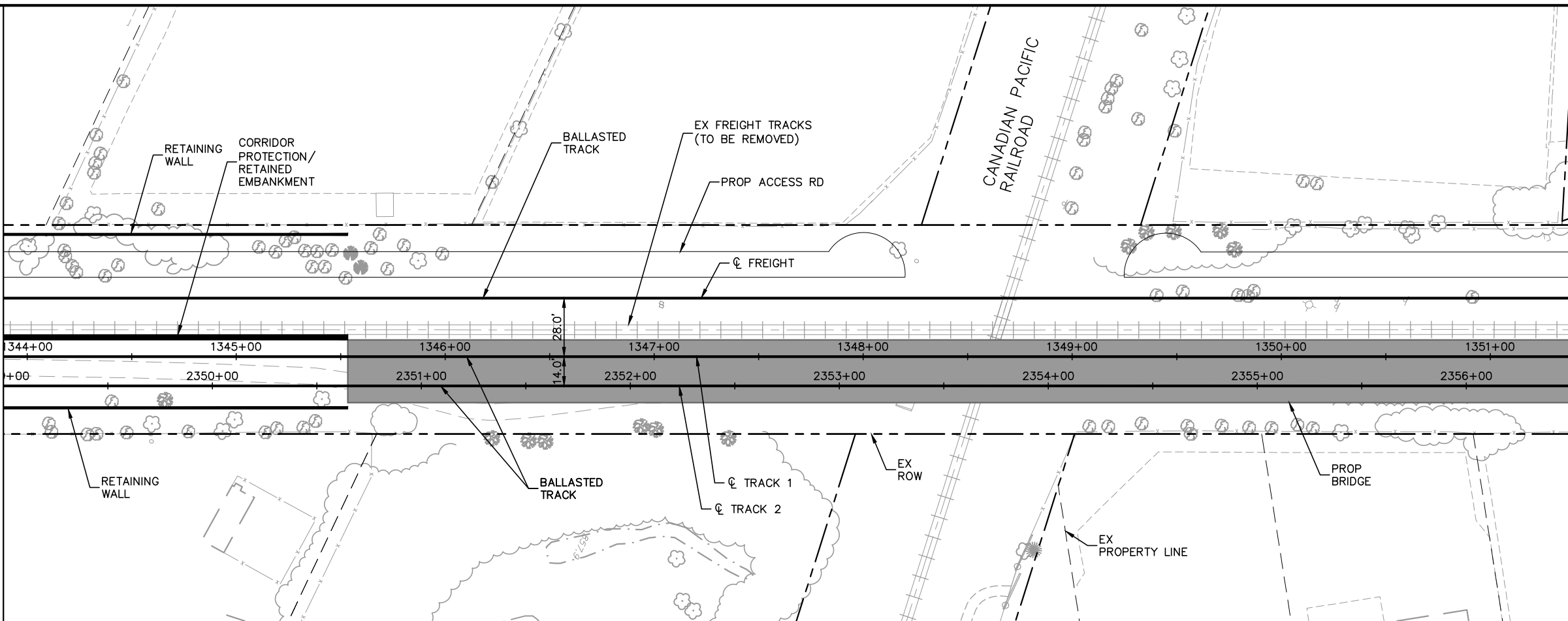


Kimley»»Horn
 **WSP** | **PARSONS
BRINCKERHOFF**

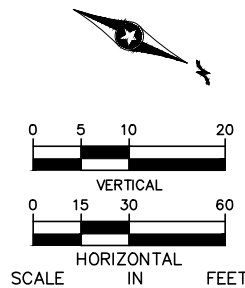
MUNICIPAL CONSENT

Dec. 03 2015 03:46 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-PPFL.dwg By: V-MatouM

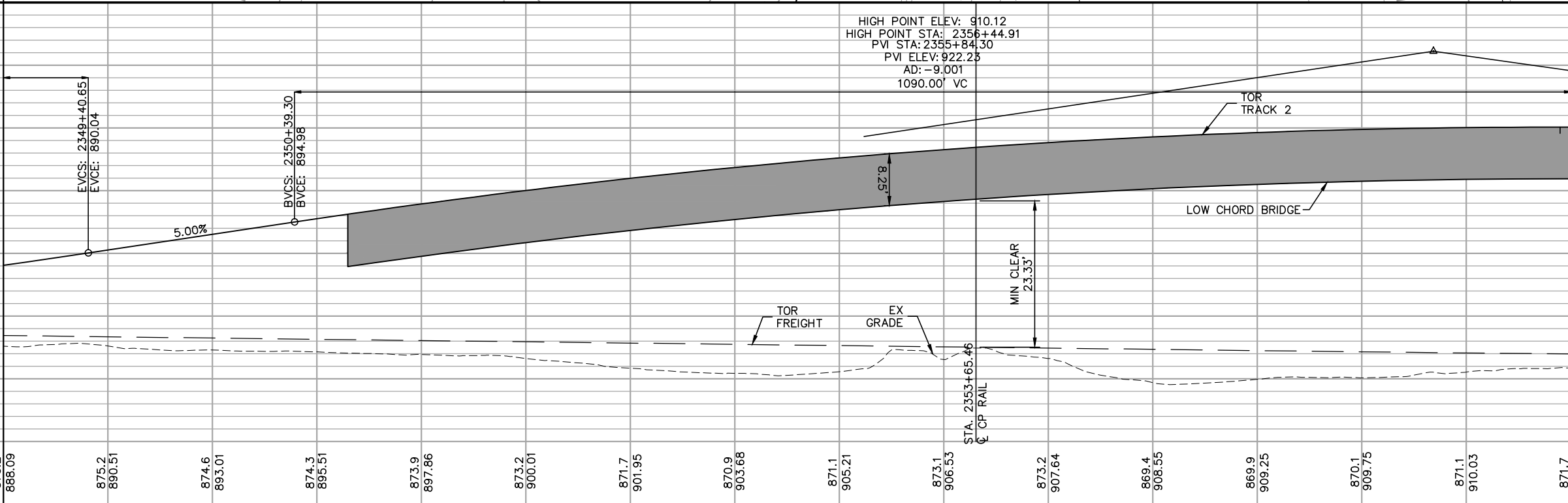
MATCH LINE - STA 2349+00



MATCH LINE - STA 2356+50



MATCH LINE - STA 2349+00



MATCH LINE - STA 2356+50

2349+00 2350+00 2351+00 2352+00 2353+00 2354+00 2355+00 2356+00 2356+50 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

WSP | **PARSONS BRINCKERHOFF**

MUNICIPAL CONSENT



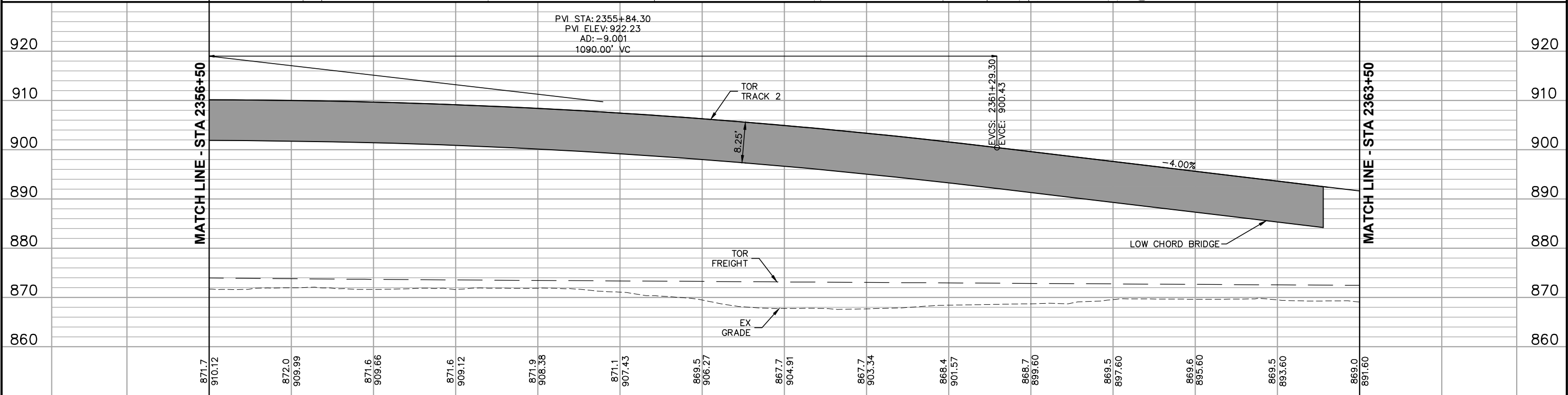
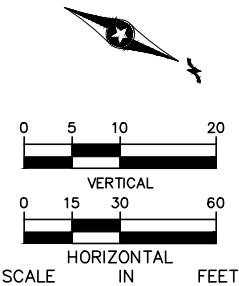
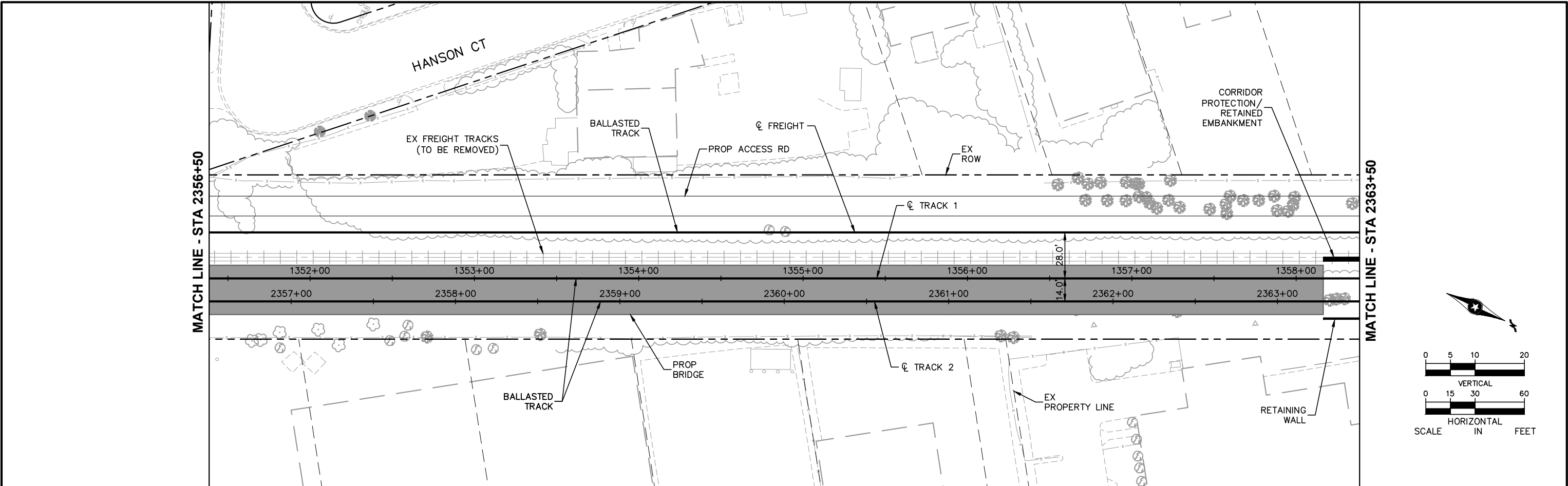
SEGMENT C
RAIL CORRIDOR
PLAN AND PROFILE
STA 2349+00 TO STA 2356+50

DISCIPLINE: **TRACK**

SHEET NAME: **C-TRK-PPFL-005**

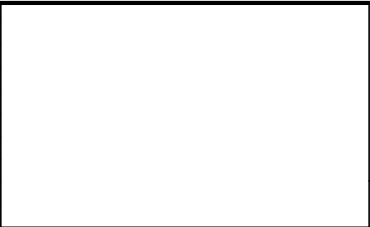
SHEET
39
OF
62

Dec. 03 2015 03:47 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-PPFL.dwg By: V-MatouM



2356+50 2357+00 2358+00 2359+00 2360+00 2361+00 2362+00 2363+00 2363+50 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





MUNICIPAL CONSENT

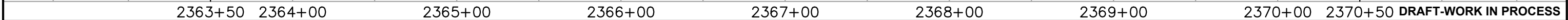


SEGMENT C
RAIL CORRIDOR
PLAN AND PROFILE
STA 2356+50 TO STA 2363+50

DISCIPLINE: TRACK

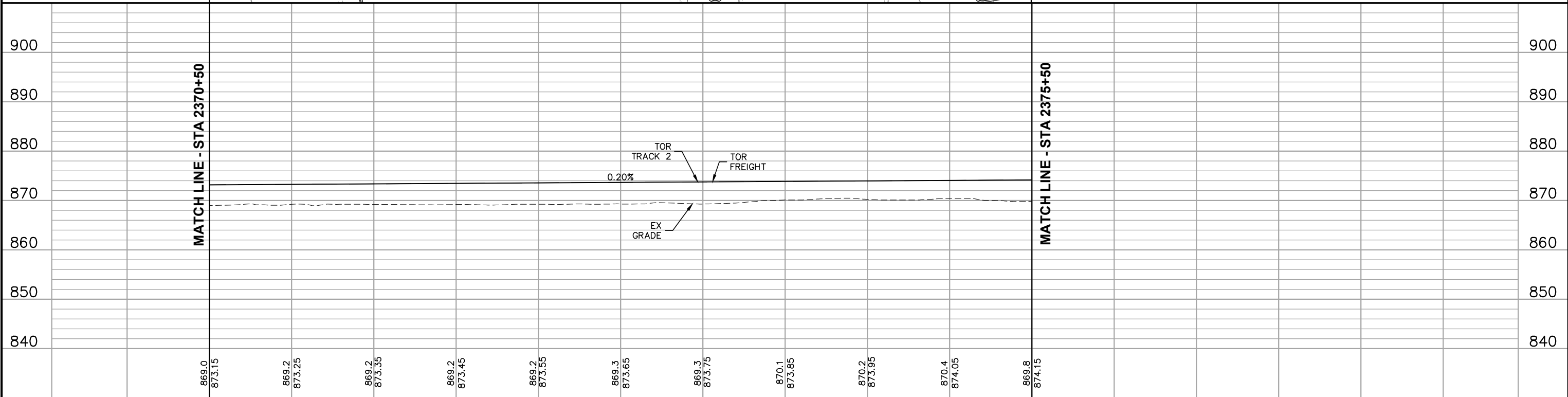
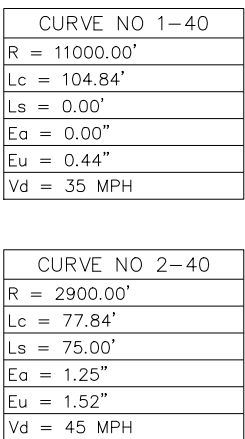
SHEET NAME: C-TRK-PPFL-006

SHEET 40 OF 62



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SEGMENT C RAIL CORRIDOR PLAN AND PROFILE STA 2363+50 TO STA 2370+50		SHEET 41 OF 62
DISCIPLINE: TRACK	SHEET NAME: C-TRK-PPFL-007	

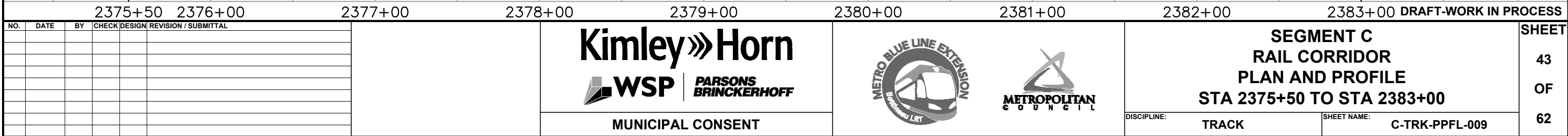


DRAFT-WORK IN PROCESS

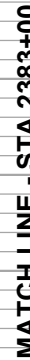
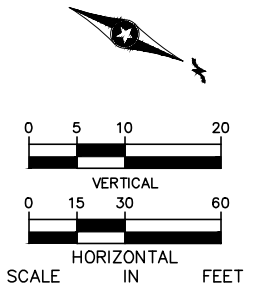
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**SEGMENT C
RAIL CORRIDOR
PLAN AND PROFILE
STA 2370+50 TO STA 2375+50**

SHEET NAME:	C-TRK-PPFL-008
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Dec, 03 2015 03:53 pm H: \BPO\550_Design_Consultant\CAD\003-SEGMENT-C\M\PLAN SHEETS\TRACK\C-TRK-PPFL.dwg By: V-MataJIM



Kimley»»Horn

MUNICIPAL CONSENT

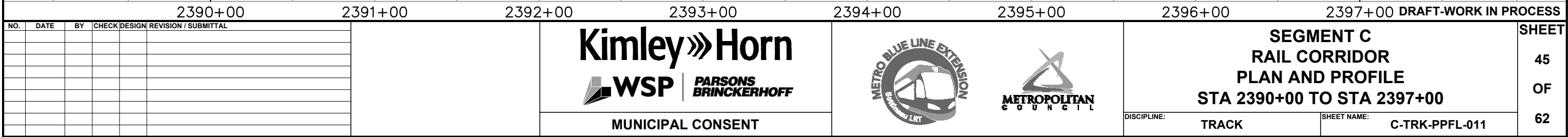


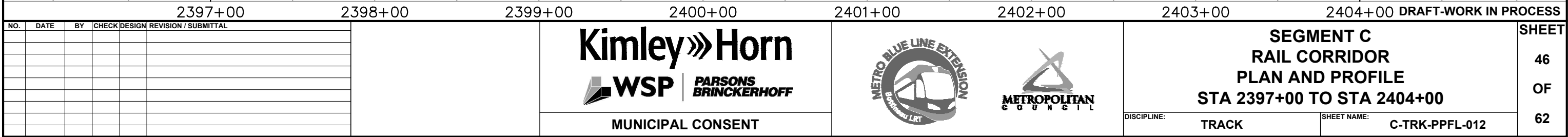
**SEGMENT C
RAIL CORRIDOR
PLAN AND PROFILE
STA 2383+00 TO STA 2390+00**

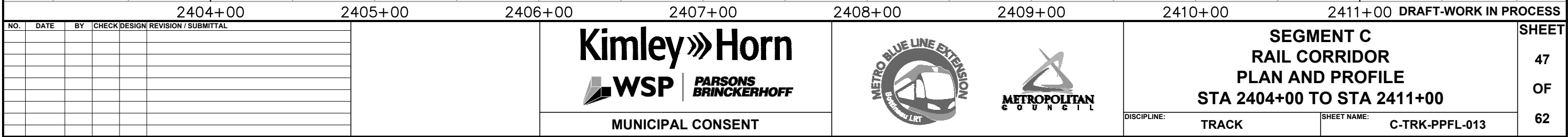
DISCIPLINE: **TRACK**

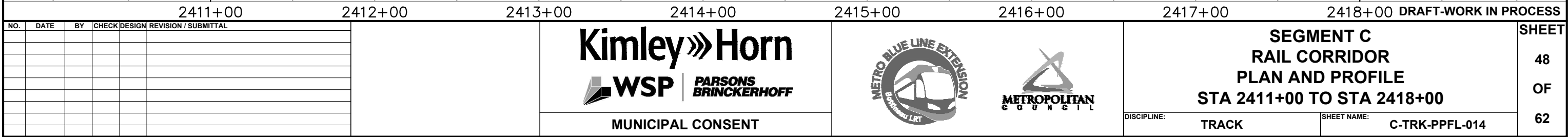
SHEET NAME:	C-TRK-PPFL-010
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SHEET
44
OF
62

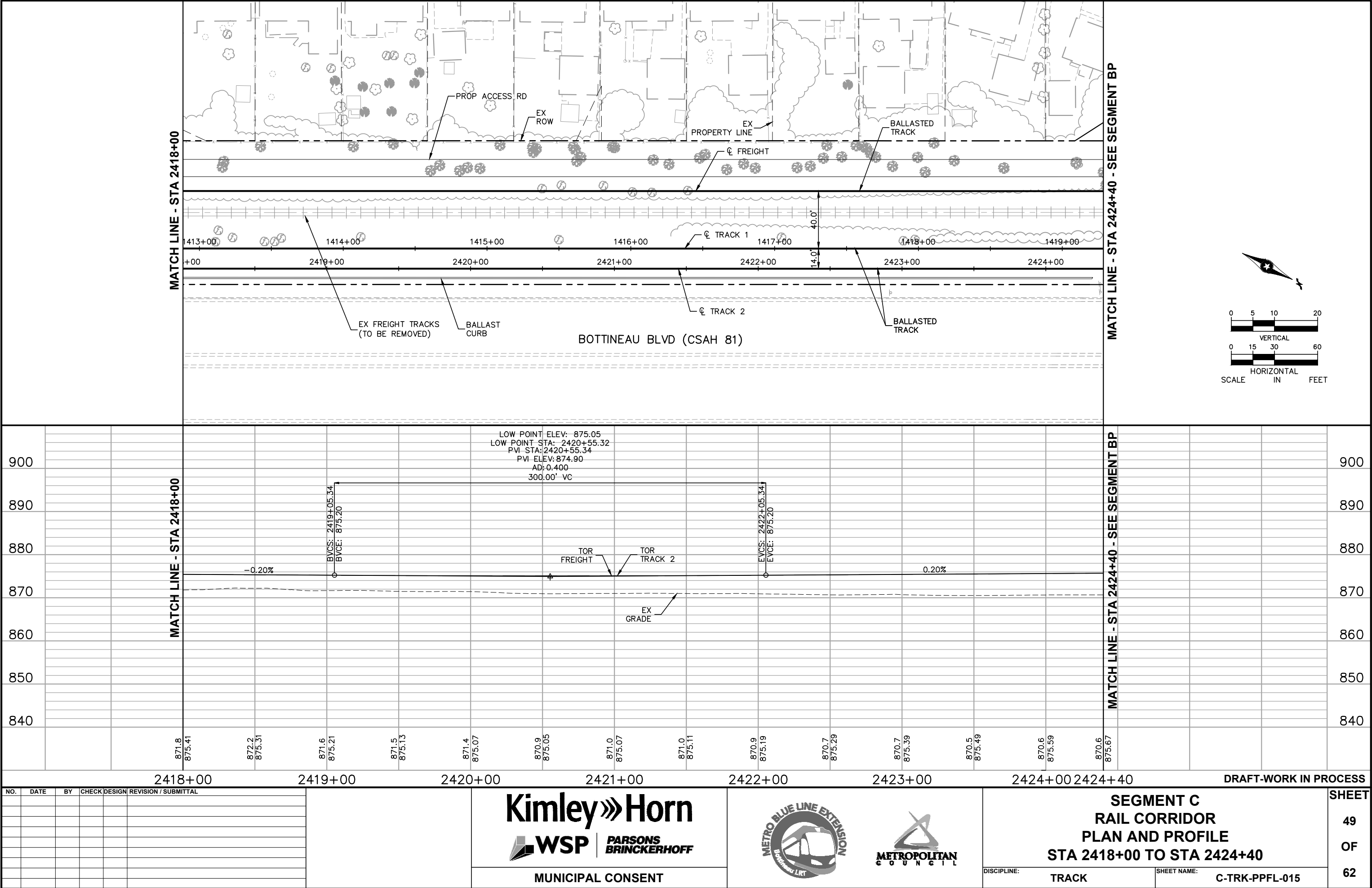






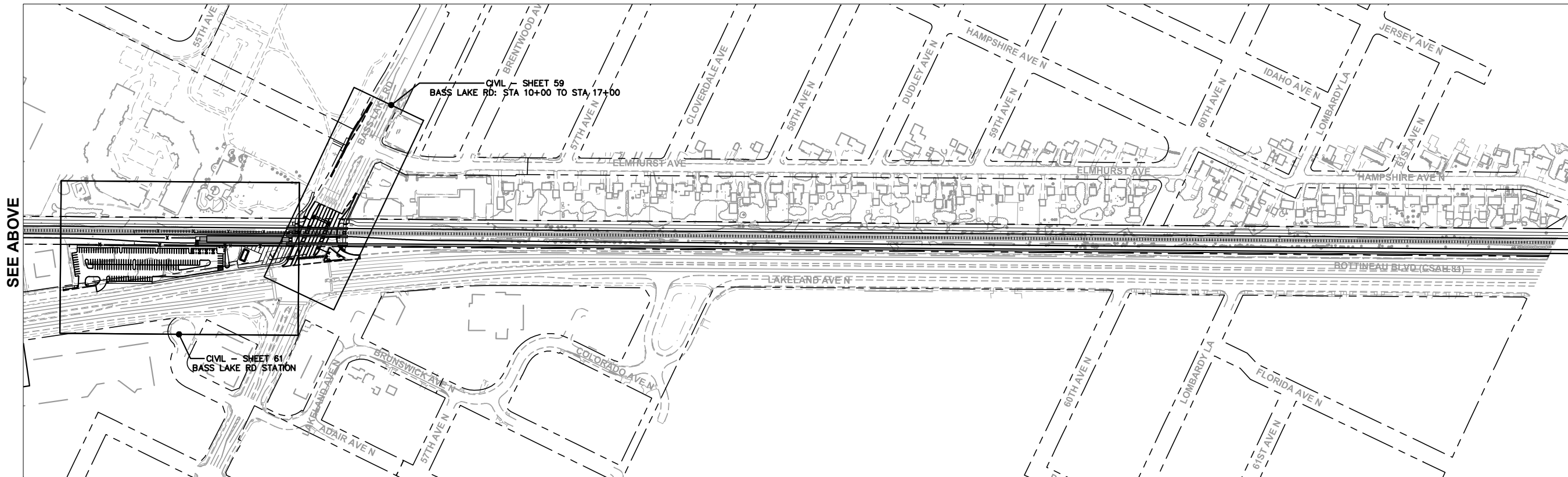
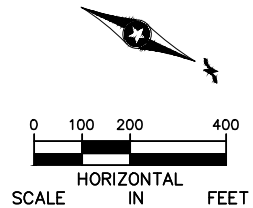
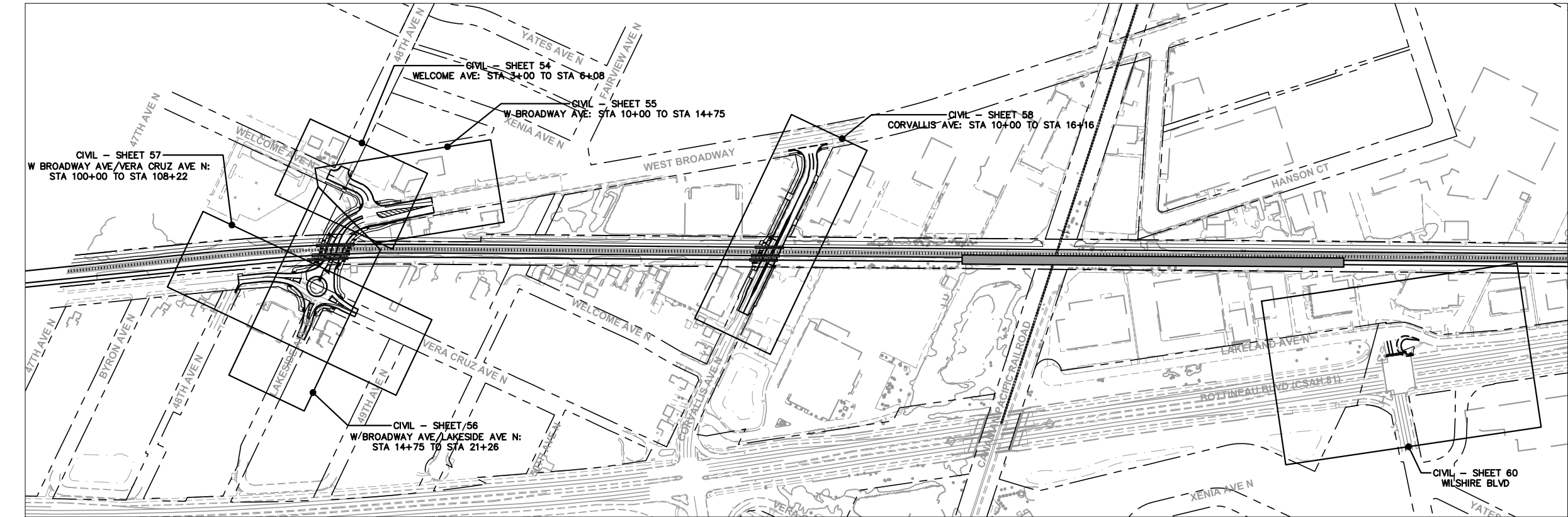


Dec, 03 2015 03:58 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\TRACK\C-TRK-PPFL.dwg By: V-MatouM



2418+00						2419+00						2420+00						2421+00						2422+00						2423+00						2424+00 2424+40						DRAFT-WORK IN PROCESS					
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL							Kimley»Horn WSP PARSONS BRINCKERHOFF MUNICIPAL CONSENT						METRO BLUE LINE EXTENSION BOSSHART & LUTZ METROPOLITAN COUNCIL						SEGMENT C RAIL CORRIDOR PLAN AND PROFILE STA 2418+00 TO STA 2424+40						SHEET 49 OF 62																	
DISCIPLINE:			TRACK			SHEET NAME:			C-TRK-PPFL-015																																						

Dec, 01 2015 06:35 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-CIV-IDX.dwg By: V-DordaiJD



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

ENGINEERS
PLANNERS
DESIGNERS

ISTHMUS
engineering, inc.

MUNICIPAL CONSENT

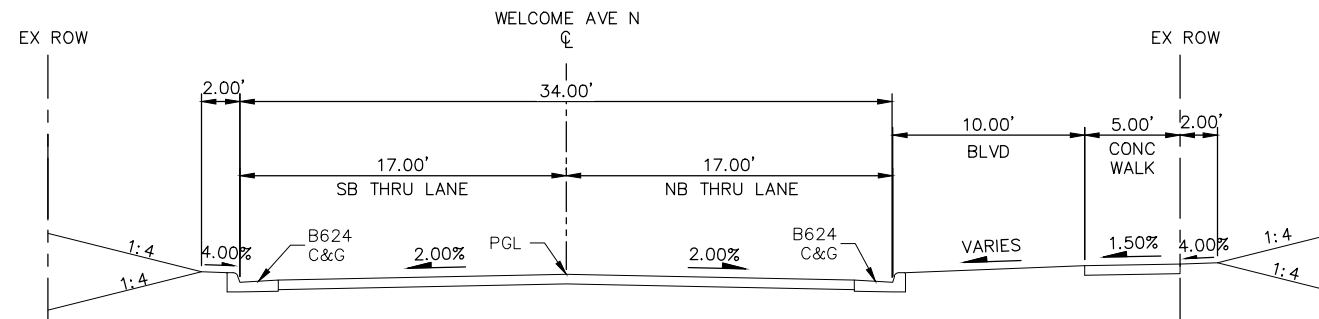


SEGMENT C
CIVIL
SHEET LAYOUT INDEX

DISCIPLINE: CIVIL SHEET NAME: C-CIV-IDX-001

SHEET
50
OF
62

Dec, 07 2015 01:55 pm H:\BPO\550_Design_Constant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-CIV-TYP.dwg By: V-DordaiJD

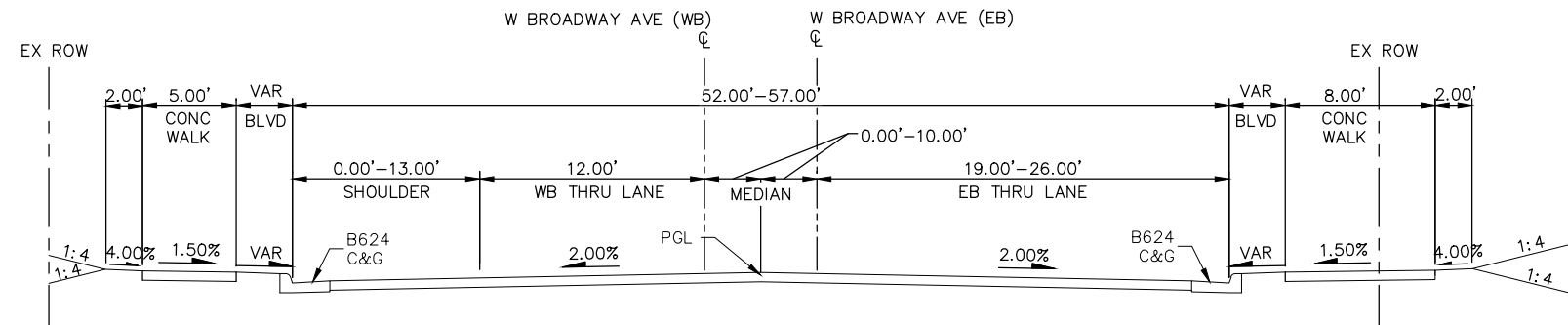


TYPICAL SECTION - WELCOME AVE N
STA 4+00 TO STA 5+90

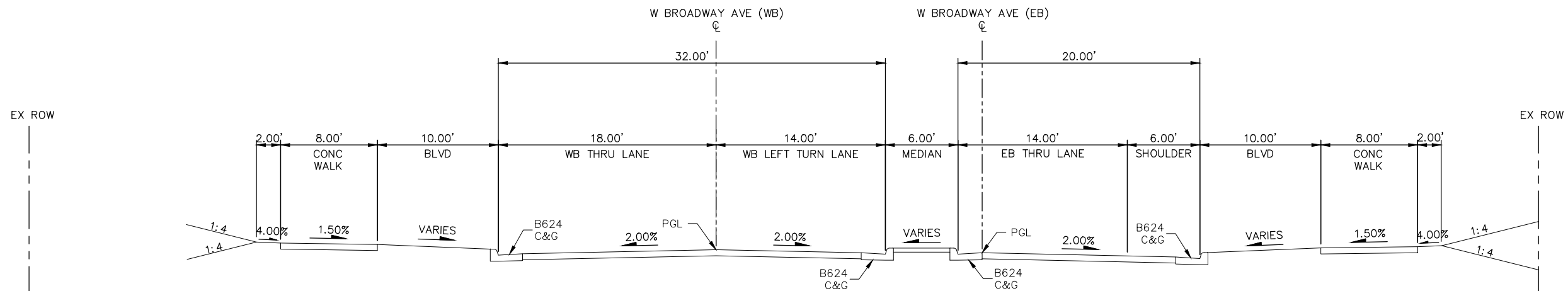
NOTE:
SLOPES LISTED ARE V:H

W BROADWAY AVE (EB) FOLLOWS
ALIGNMENT ROUNDABOUT EB

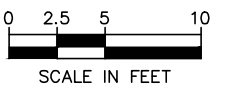
W BROADWAY AVE (WB) FOLLOWS
ALIGNMENT ROUNDABOUT WB



TYPICAL SECTION - W BROADWAY AVE
STA 12+00 TO STA 14+37



TYPICAL SECTION - W BROADWAY AVE
STA 14+37 TO STA 14+88



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn
SRI ENGINEERS PLANNERS DESIGNERS
ISTHMUS engineering, inc.
MUNICIPAL CONSENT



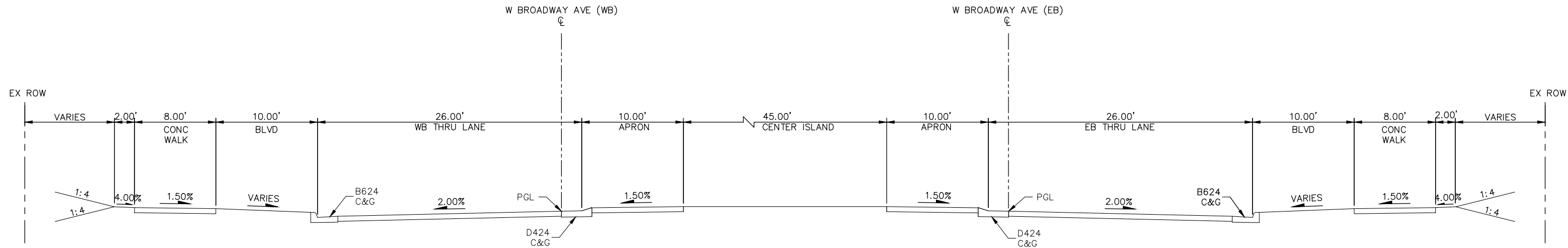
SEGMENT C
CIVIL
TYPICAL SECTIONS

DISCIPLINE: CIVIL

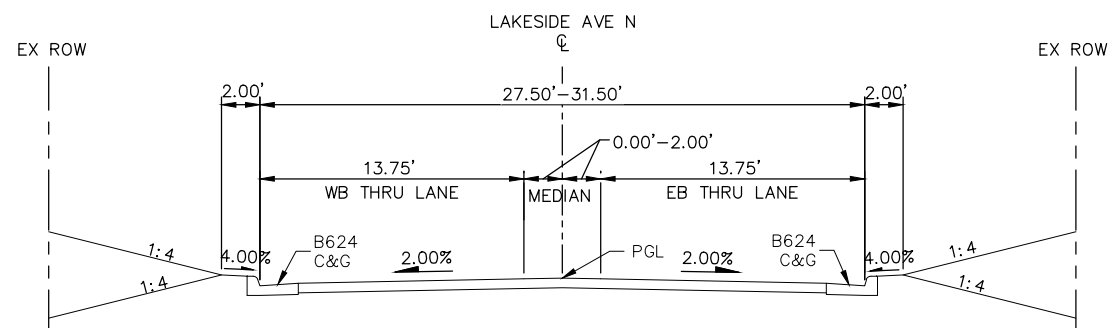
SHEET NAME: C-CIV-TYP-001

SHEET
51
OF
62

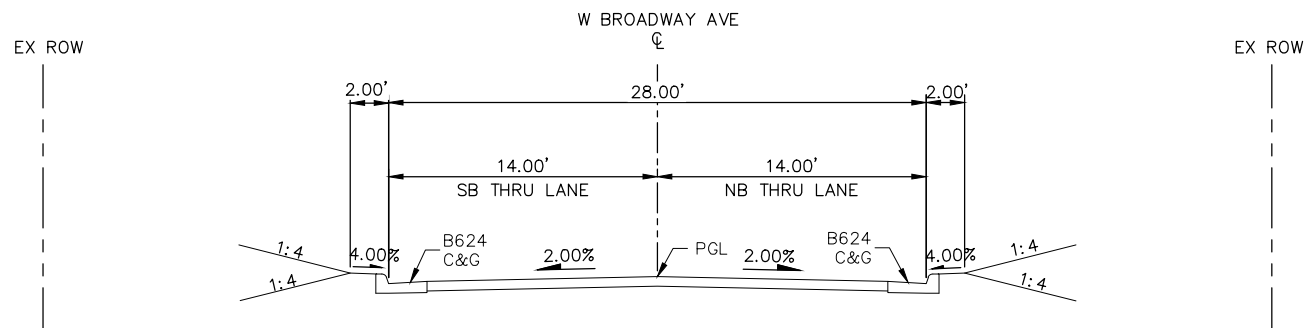
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TYPICAL SECTION - ROUNDABOUT ISLAND



TYPICAL SECTION - LAKESIDE AVE N
STA 18+56 TO STA 19+26



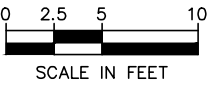
TYPICAL SECTION - W BROADWAY AVE
STA 102+00 TO STA 103+55

NOTE:
SLOPES LISTED ARE V:H

ROUNDABOUT ISLAND
FOLLOWS INSIDE THE
ROUNDABOUT CIRCLE

LAKESIDE AVE N FOLLOWS
ALIGNMENT ROUNDABOUT WB

W BROADWAY AVE FOLLOWS
ALIGNMENT ROUNDABOUT NB

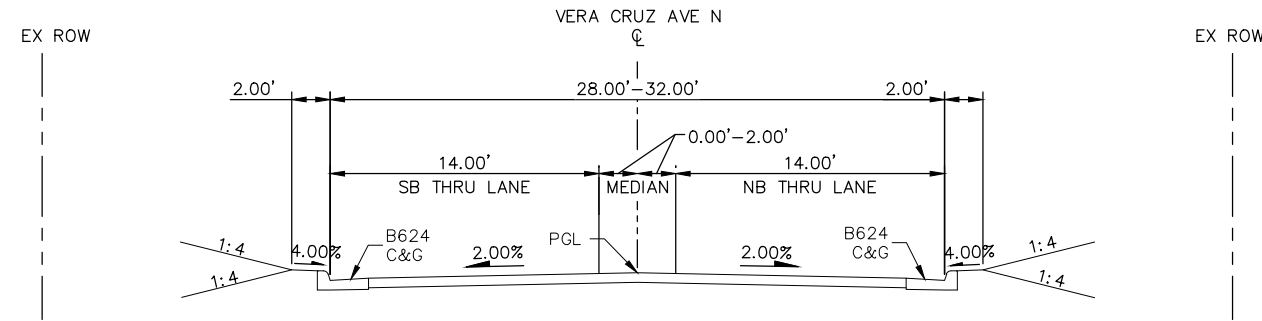


DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

	 Kimley»Horn ENGINEERS PLANNERS DESIGNERS ISTHMUS engineering, inc.	 METRO BLUE LINE EXTENSION METROPOLITAN COUNCIL	SEGMENT C CIVIL TYPICAL SECTIONS		SHEET
					52
					OF
			DISCIPLINE: CIVIL	SHEET NAME: C-CIV-TYP-002	62

Dec, 03 2015 05:30 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MCP\PLAN SHEETS\CIVIL\C-CIV-TYP.dwg By: V-DordaiJD

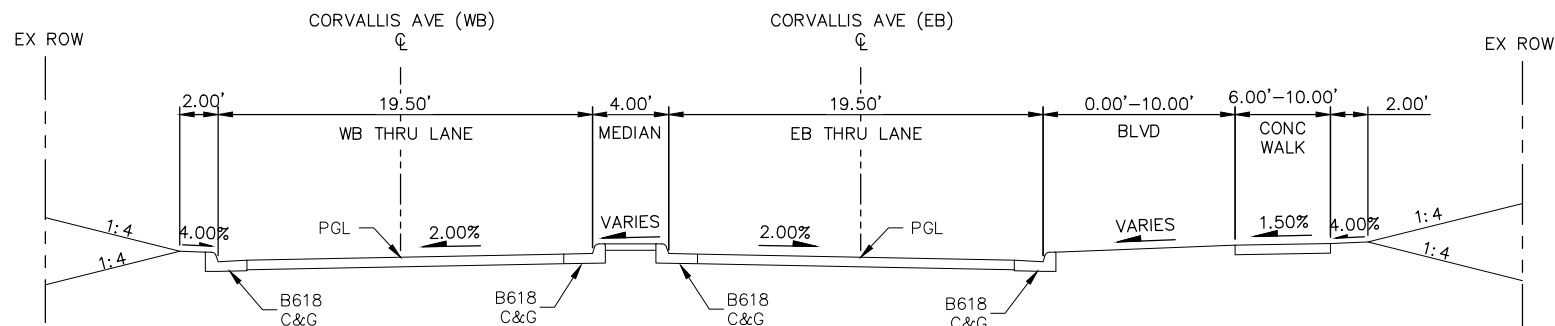


TYPICAL SECTION - VERA CRUZ AVE N
STA 105+73 TO STA 106+22

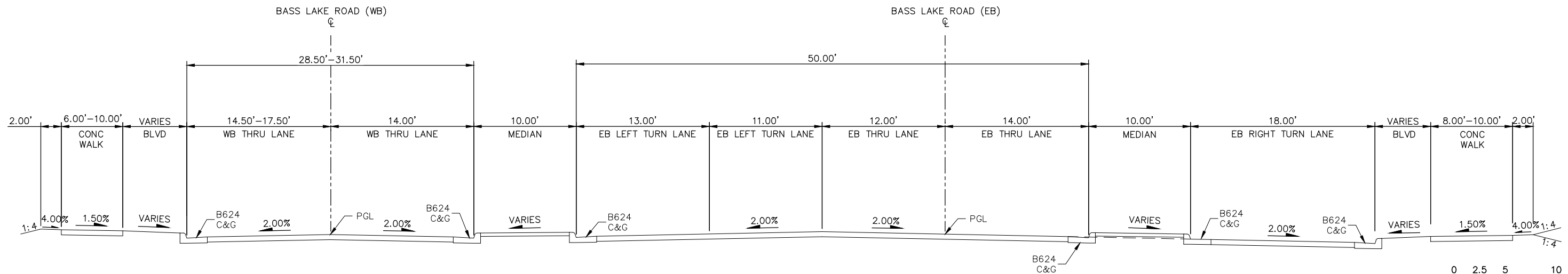
NOTE:
SLOPES LISTED ARE V:H

VERA CRUZ AVE N FOLLOWS
ALIGNMENT ROUNDABOUT NB

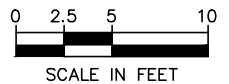
EXISTING RIGHT-OF-WAY AT
BASS LAKE RD IS LOCATED
OUTSIDE OF THE EXTENTS
OF THE TYPICAL SECTION



TYPICAL SECTION - CORVALLIS AVE
STA 12+85 TO STA 15+18



TYPICAL SECTION - BASS LAKE ROAD
STA 14+18 TO STA 16+33



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

SRI ENGINEERS PLANNERS DESIGNERS
Consulting Group, Inc.

ISTHMUS engineering, inc.

MUNICIPAL CONSENT



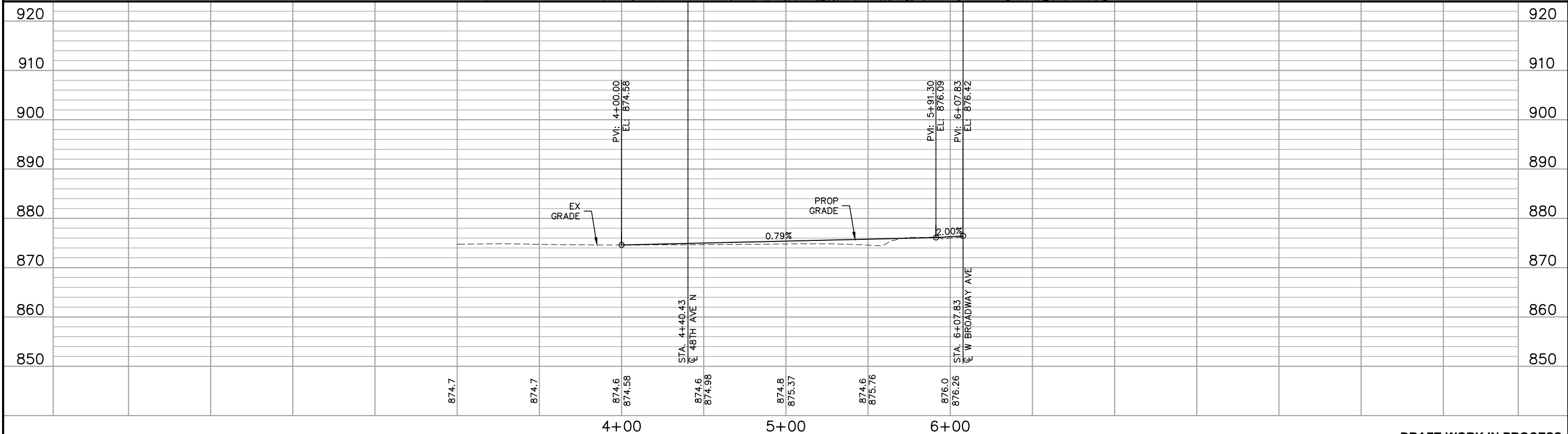
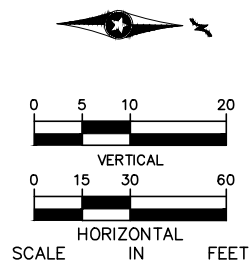
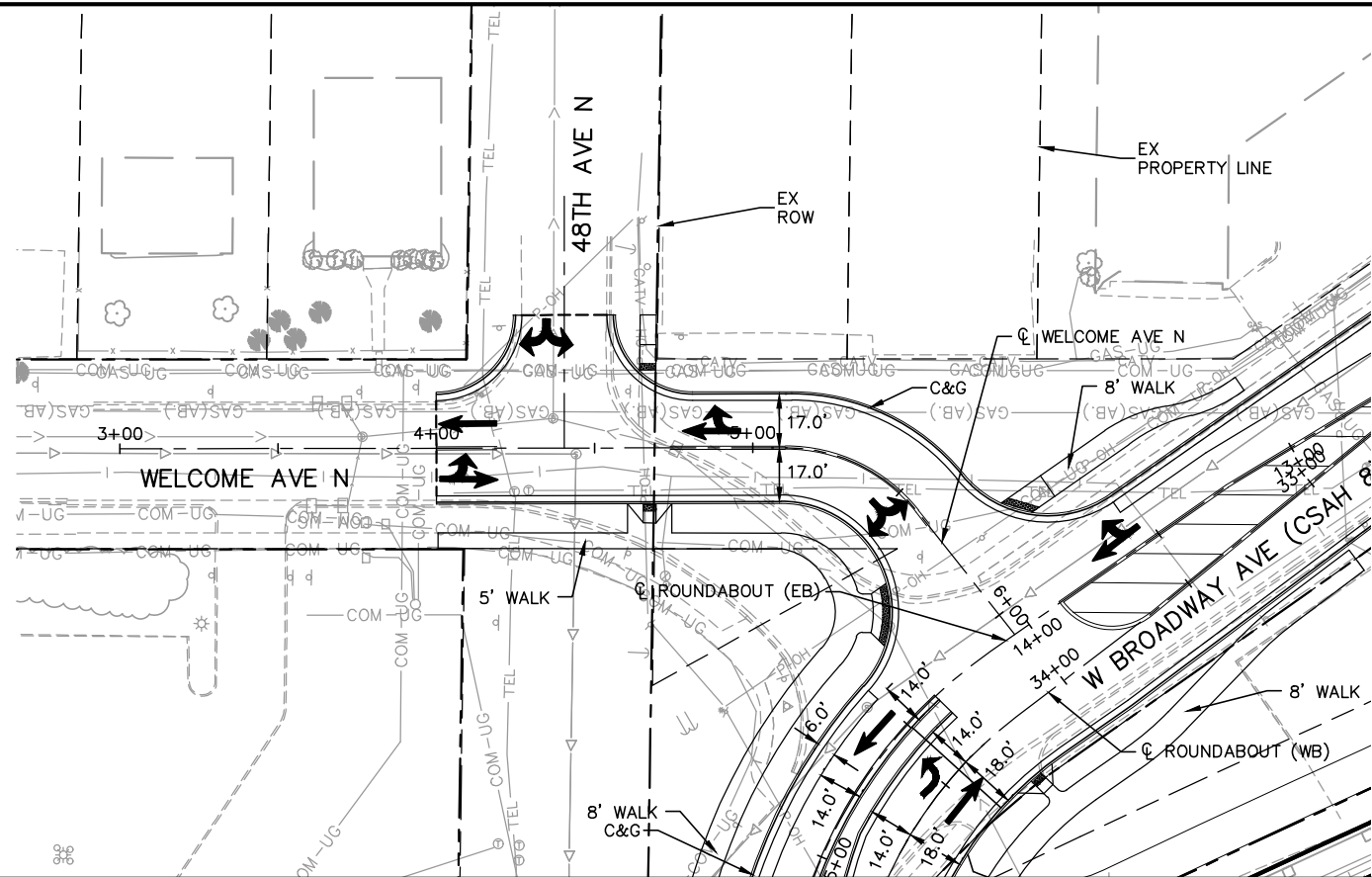
SEGMENT C
CIVIL
TYPICAL SECTIONS

DISCIPLINE: **CIVIL**

SHEET NAME: **C-CIV-TYP-003**

SHEET
53
OF
62

Dec, 07 2015 02:04 pm H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVL\C-CIV-PPFL.dwg By: V-DordalJD



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

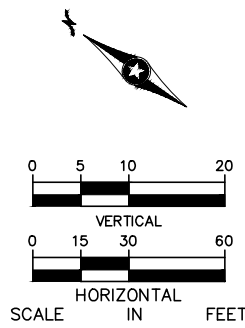


SEGMENT C
WELCOME AVE N
PLAN AND PROFILE
STA 3+00 TO STA 6+08

DISCIPLINE: CIVIL

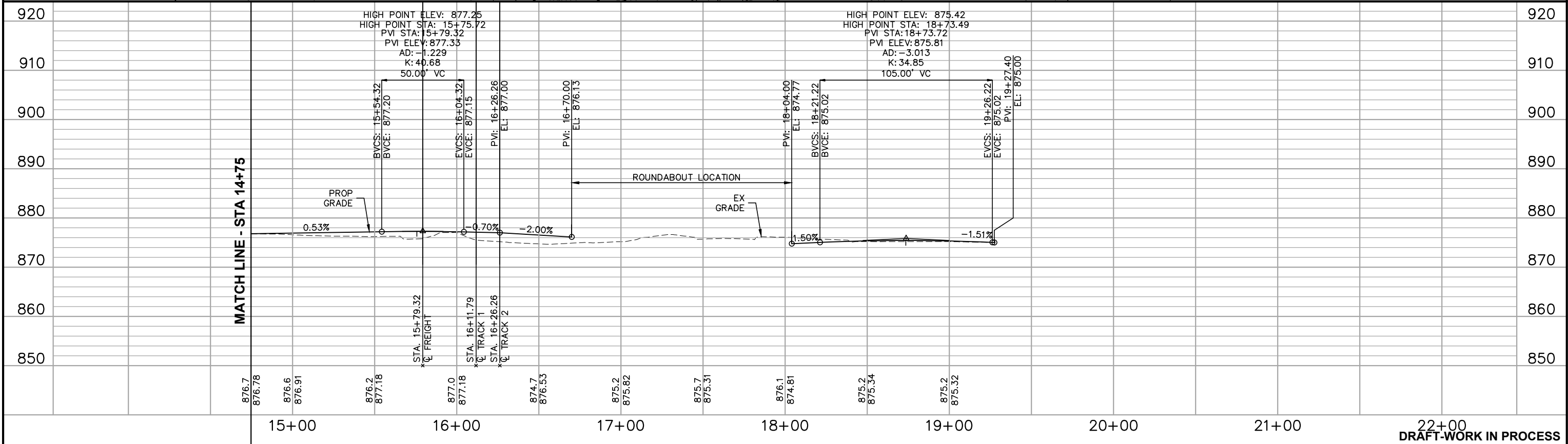
SHEET NAME: C-CIV-PPFL-001

SHEET
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OF
62



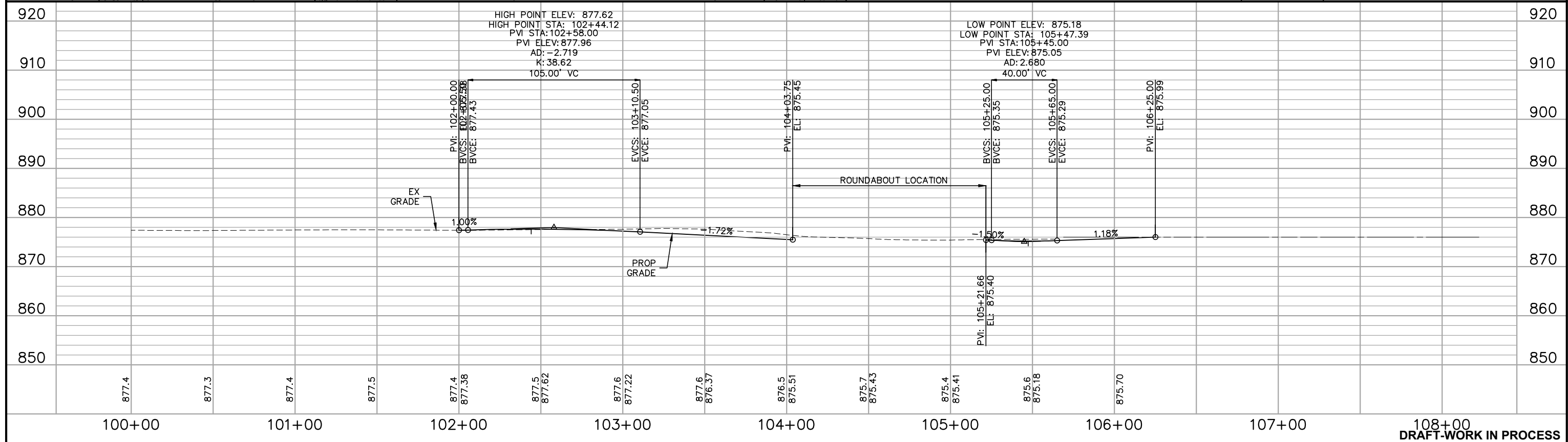
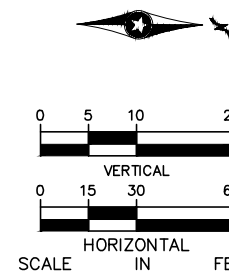
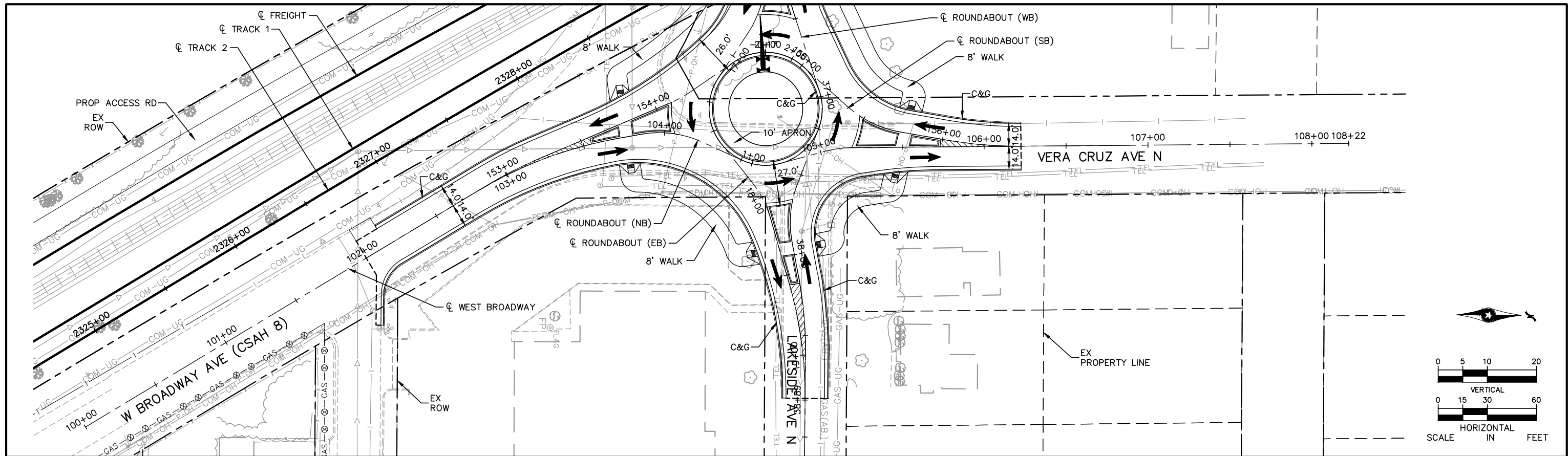
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SHEET
55
OF
62



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	   MUNICIPAL CONSENT				SEGMENT C W BROADWAY AVE / LAKESIDE AVE N PLAN AND PROFILE STA 14+75 TO STA 21+26		SHEET		
										DISCIPLINE:	CIVIL	SHEET NAME:	C-CIV-PPFL-003	56
														OF
														62

Dec. 04 2015 10:43 am H:\BPO\550_Design_Consultant\CAD\003-SEGMENT-C\MC\PLAN SHEETS\CIVIL\C-CIV-PPFL.dwg By: V-DordalUD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





ENGINEERS
PLANNERS
DESIGNERS

MUNICIPAL CONSENT

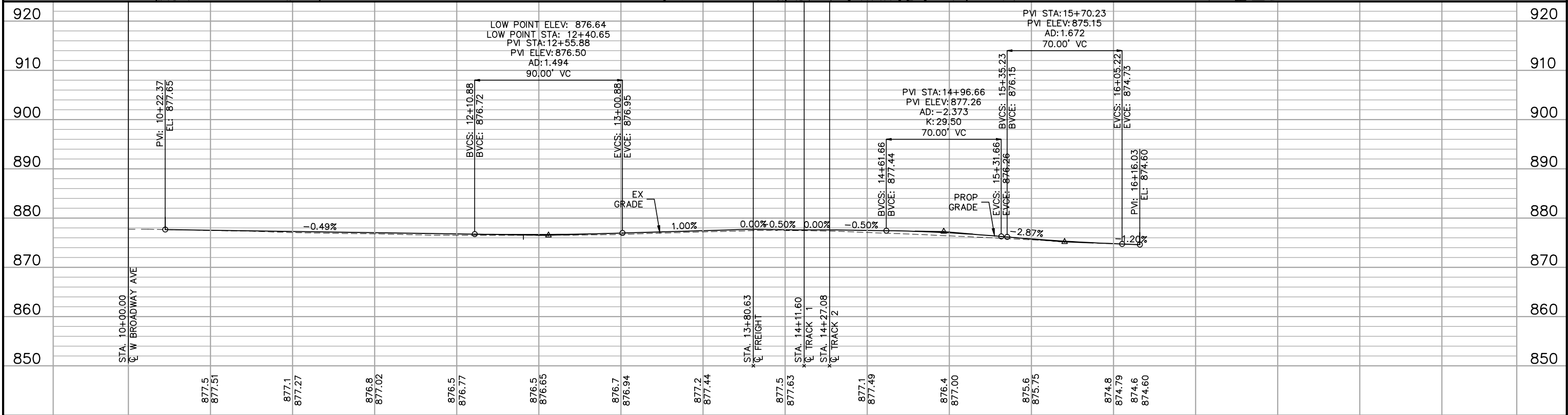


SEGMENT C
W BROADWAY AVE / VERA CRUZ AVE N
PLAN AND PROFILE
STA 100+00 TO STA 108+22

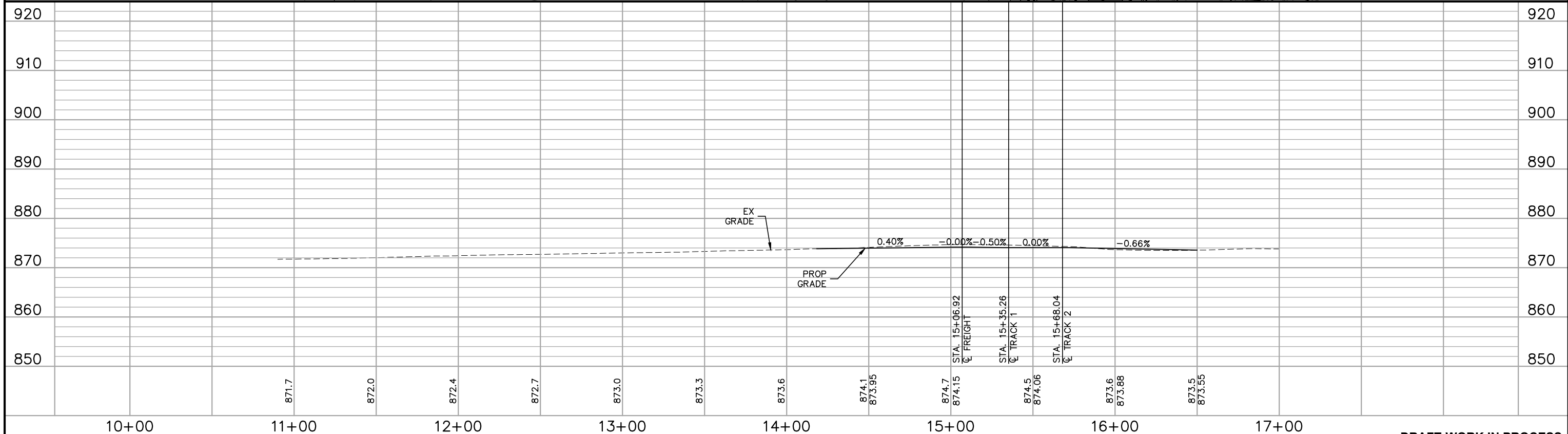
DISCIPLINE: CIVIL

SHEET NAME: C-CIV-PPFL-004

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10+00					11+00					12+00					13+00					14+00					15+00					16+00					DRAFT-WORK IN PROCESS				
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL						Kimley»Horn SRF ENGINEERS PLANNERS DESIGNERS Consulting Group, Inc. ISTHMUS engineering, inc.					METRO BLUE LINE EXTENSION Bonanza, LLC METROPOLITAN COUNCIL					SEGMENT C CORVALLIS AVE N PLAN AND PROFILE STA 10+00 TO STA 16+16					SHEET 58 OF 62													
					MUNICIPAL CONSENT										DISCIPLINE: CIVIL					SHEET NAME: C-CIV-PPFL-005																			

[illegible]

Kimley»»Horn

SRE | **ENGINEERS
PLANNERS
DESIGNERS** **ISTHMUS**
Consulting Group, Inc. engineering, inc.

MUNICIPAL CONSENT

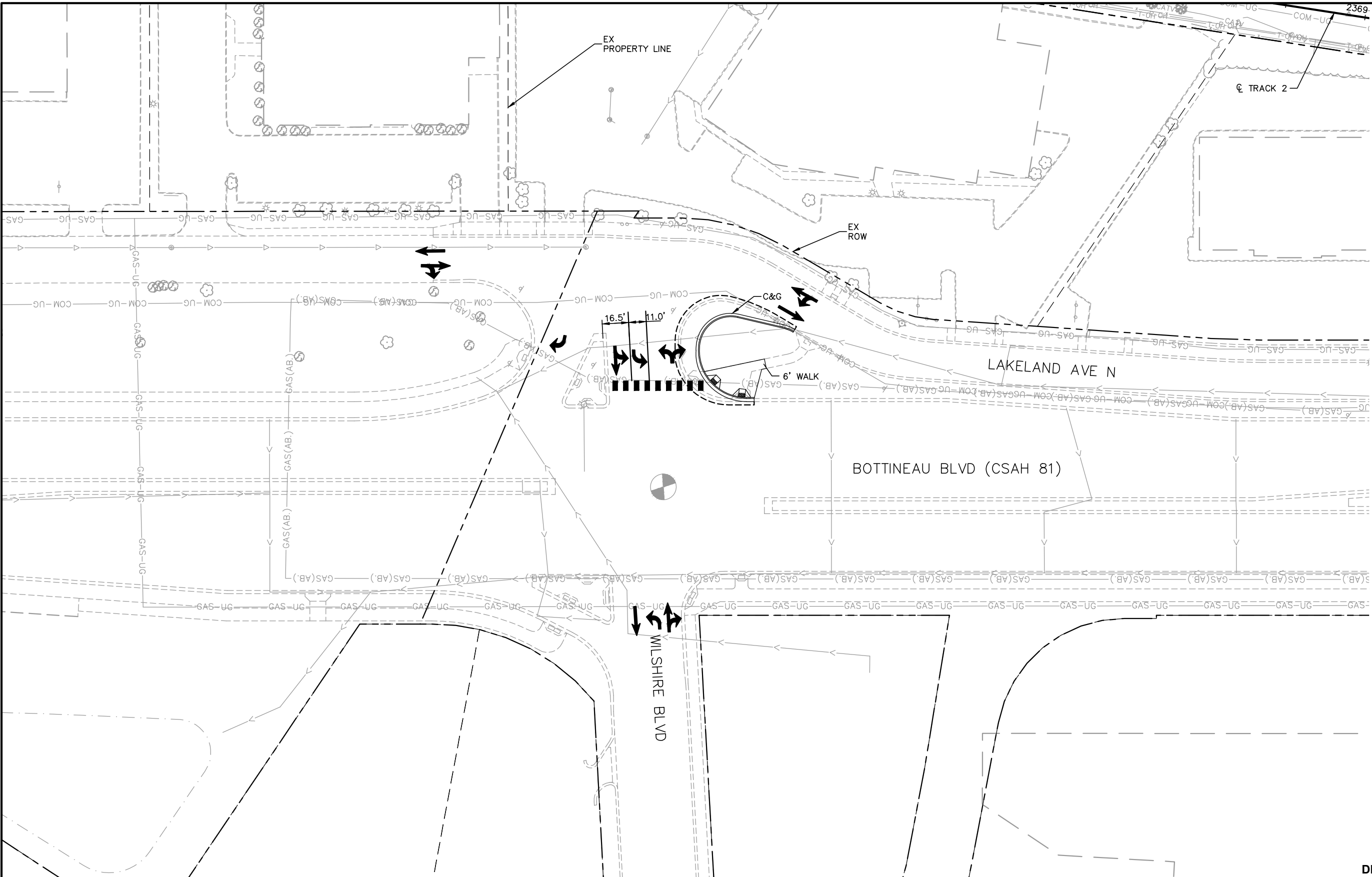


**SEGMENT C
BASS LAKE RD
PLAN AND PROFILE
STA 10+00 TO STA 17+00**

DISCIPLINE: **CIVIL**

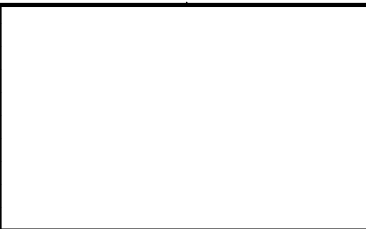
SHEET NAME:	C-CIV-PPFL-006
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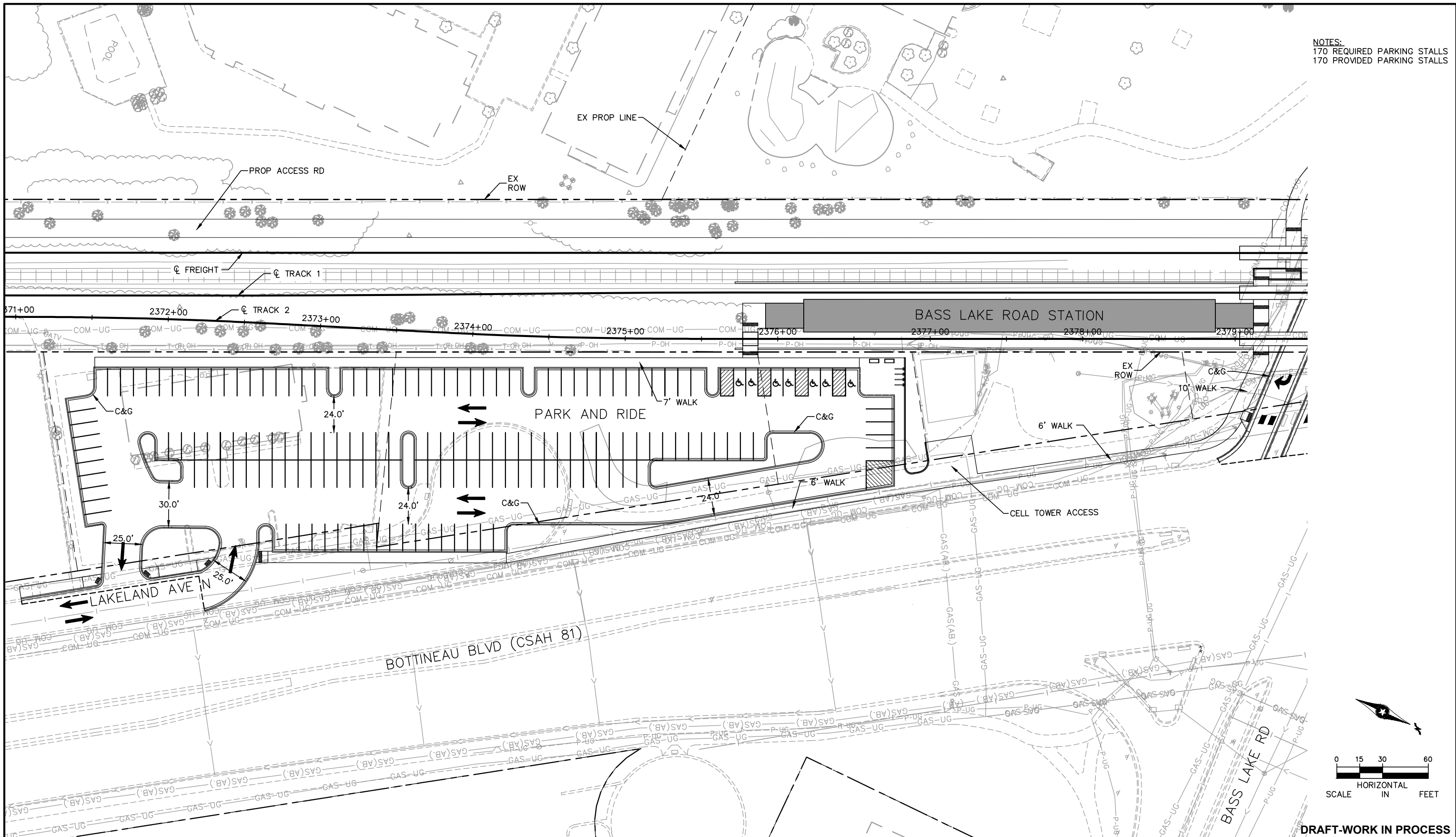
MUNICIPAL CONSENT



SEGMENT C WILSHIRE BLVD SITE PLAN	
DISCIPLINE: CIVIL	SHEET NAME: C-CIV-PLN-001

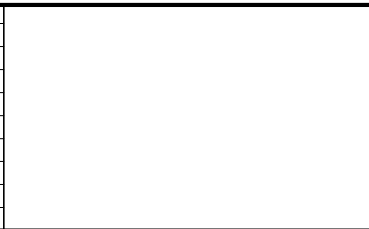
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NOTES:
170 REQUIRED PARKING STALLS
170 PROVIDED PARKING STALLS

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL





MUNICIPAL CONSENT



**SEGMENT C
BASS LAKE ROAD STATION
SITE PLAN**

DISCIPLINE: CIVIL	SHEET NAME: C-CIV-PLN-002
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SHEET

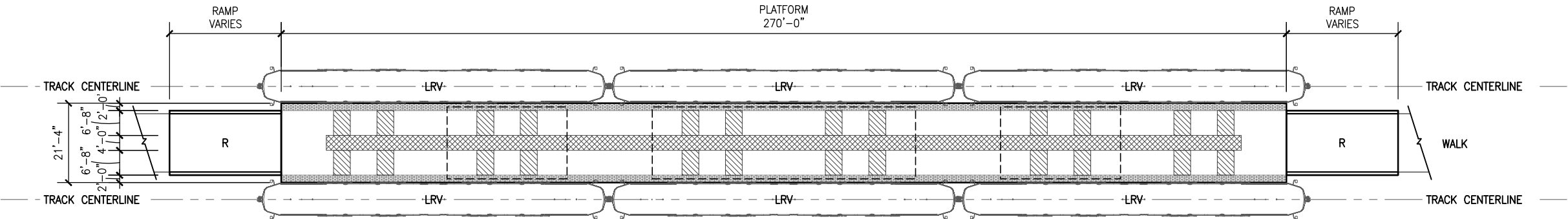
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STATION PLATFORM
ELEMENTS:

- R

APPROACH RAMP
• LESS THAN 5% SLOPE
• HAND RAIL ON BOTH SIDES
- PATRON CIRCULATION ZONE
• CLEAR OF OBSTRUCTIONS
• WIDE ENOUGH TO ALLOW COMFORTABLE PASSAGE OF TWO PEOPLE
- TRAIN LOADING AND UNLOADING ZONE
• AREAS WHERE TRAIN DOORS ARE LOCATED WHEN LRV IS AT STATION PLATFORM
- PATRON WAITING AREA AND STRUCTURE ZONE
• FARE COLLECTION EQUIPMENT
• COMMUNICATIONS AND ELECTRICAL EQUIPMENT
• INFORMATION KIOSKS
• TRASH CANS
• SIGNAGE
- POTENTIAL SHELTER AND CANOPY STRUCTURE
• COVERED WINDSCREEN/SHELTER AREAS WITH BENCHES AND LEAN RAILS
• PROTECTION AT BOARDING AREAS
- BOARDING EDGE
• ADA DETECTABLE WARNING AT EDGE OF PLATFORM



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

millerdunwiddie

ARCHITECTURE

MUNICIPAL CONSENT

METRO BLUE LINE EXTENSION

BOSTONIAN LRT

METROPOLITAN

COUNCIL

SEGMENT C

TYPICAL CENTER PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: C-ARC-STA-PLN-001

SHEET
62
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