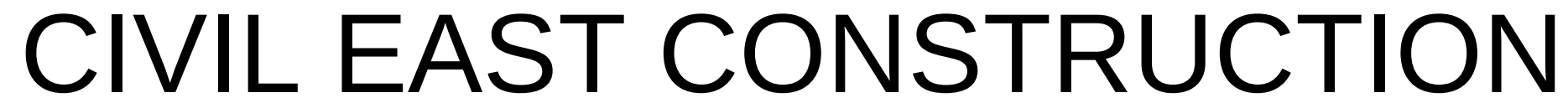




METROPOLITAN
C O U N C I L



VOLUME 9

URBAN DESIGN / LANDSCAPE

THE PROPOSED SOUTHWEST LRT PROJECT IS NOT FINAL BUT IS STILL UNDER ENVIRONMENTAL REVIEW AND THE PROJECT IS SUBJECT TO CHANGE. THESE PLANS ARE NOT FINAL.

THE COUNCIL, THROUGH THE DEVELOPMENT OF THESE PLANS, DOES NOT INTEND THAT THEY WILL PREJUDICE OR COMPROMISE ANY STATE OR FEDERAL ENVIRONMENTAL REVIEW OR OTHER LEGAL REQUIREMENTS. THESE PLANS DO NOT LIMIT THE PROJECT DESIGN ALTERNATIVES OR MITIGATIVE MEASURES THAT THE COUNCIL MAY UNDERTAKE IF THE PROPOSED SWLRT PROJECT PROCEEDS TO CONSTRUCTION.

THE COUNCIL WILL NOT TAKE FINAL ACTION ON THIS MATTER UNLESS THE COUNCIL PROCEEDS WITH THE PROJECT AFTER THE FTA'S RECORD OF DECISION AND THE COUNCIL'S DETERMINATION OF ADEQUACY.

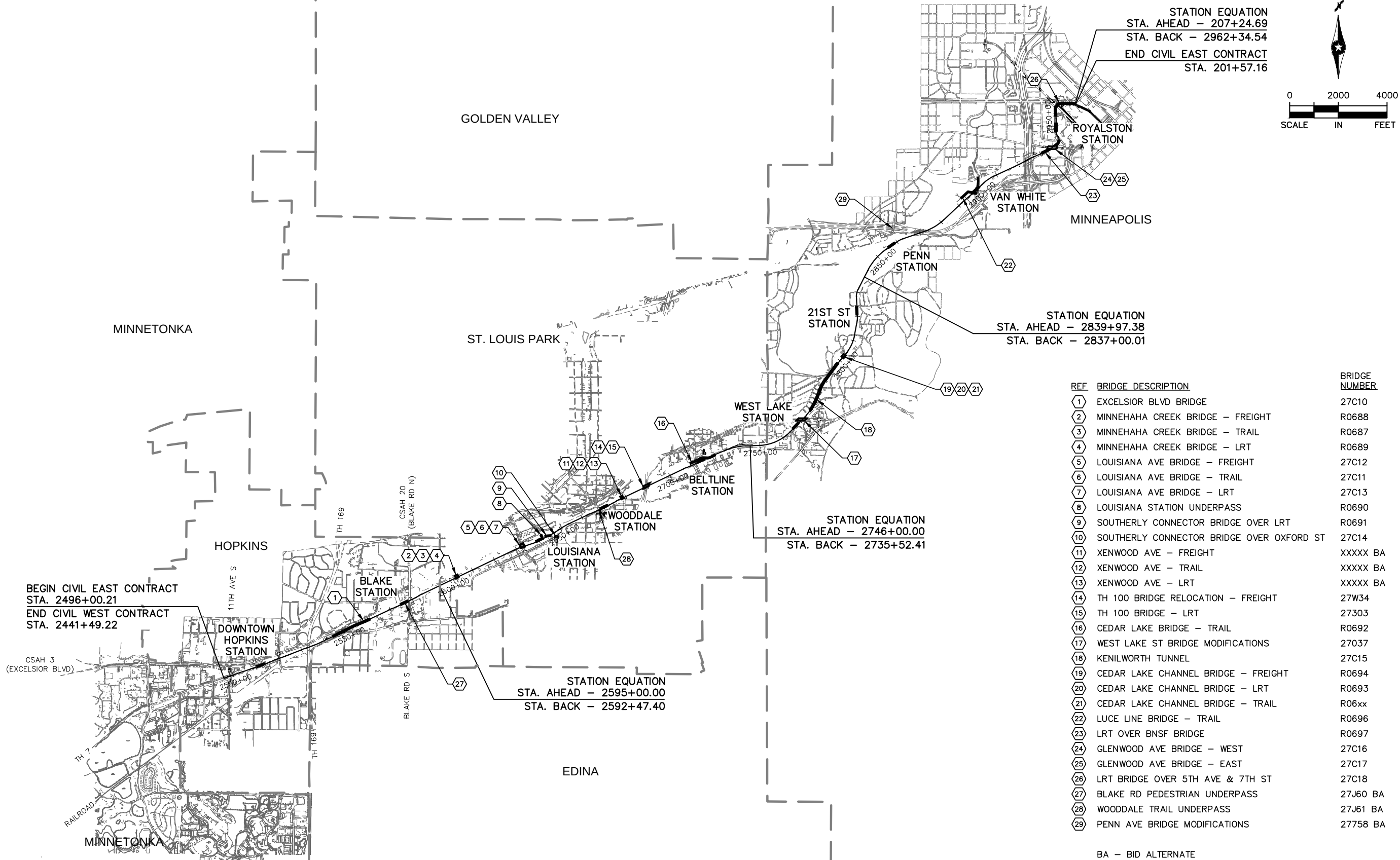
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DATE : 09/28/15

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CIVIL EAST						CIVIL EAST						CIVIL EAST							
SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV	SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV	SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV		
VOLUME 9 - URBAN DESIGN / LANDSCAPE						65	E4-LAN-PLN-002	PENN STATION LANDSCAPE PLAN 2	2854+70	2860+20									
1	E0-URD-CVR-001	COVER SHEET				66	E4-LAN-PLN-003	PENN STATION LANDSCAPE PLAN 3	0+00	3+55									
2	E0-URD-IDX-001	VOLUME INDEX OF PLAN SHEETS				67	E4-LAN-PLN-004	VAN WHITE STATION LANDSCAPE PLAN 1	2894+50	2900+00									
3	E0-GEN-KEY-001	GENERAL KEY MAP				68	E4-LAN-PLN-005	VAN WHITE STATION LANDSCAPE PLAN 2	2900+00	2905+45									
4	E0-GEN-NTS-001	GENERAL LEGEND AND ABBREVIATIONS SHEET 1				69	E4-LAN-PLN-006	VAN WHITE STATION LANDSCAPE PLAN 3	10+35	15+00									
5	E0-GEN-NTS-002	GENERAL LEGEND AND ABBREVIATIONS SHEET 2				70	E4-LAN-PLN-007	VAN WHITE STATION LANDSCAPE PLAN 4	15+00	20+50									
6	E1-URD-LAY-001	URBAN DESIGN AND LANDSCAPE PLAN SHEET LAYOUT SHEET 1				71	E4-LAN-PLN-008	ROYALSTON STATION LANDSCAPE PLAN 1	2938+15	2943+80									
7	E2-URD-LAY-001	URBAN DESIGN AND LANDSCAPE PLAN SHEET LAYOUT SHEET 2				72	E4-LAN-PLN-009	ROYALSTON STATION LANDSCAPE PLAN 2	2943+80	2948+75									
8	E2-URD-LAY-002	URBAN DESIGN AND LANDSCAPE PLAN SHEET LAYOUT SHEET 3				73	E4-LAN-PLN-010	ROYALSTON STATION LANDSCAPE PLAN 3	2948+75	2954+40									
9	E3-URD-LAY-001	URBAN DESIGN AND LANDSCAPE PLAN SHEET LAYOUT SHEET 4				74	E3-LAN-RWY-001	CHOWEN AVE & W 31ST STREET LANDSCAPE PLAN	3+35	16+00									
10	E4-URD-LAY-001	URBAN DESIGN AND LANDSCAPE PLAN SHEET LAYOUT SHEET 5				75	E3-LAN-RWY-002	ABBOTT & W 32ND STREET LANDSCAPE PLAN	16+00	21+46									
11	E4-URD-LAY-002	URBAN DESIGN AND LANDSCAPE PLAN SHEET LAYOUT SHEET 6				76	E4-LAN-RWY-001	WAYZATA BOULEVARD	1+00	15+50									
12	E0-URD-LGD-001	URBAN DESIGN NOTES, ABBREVIATIONS & SYMBOLS				77	E4-LAN-RWY-002	PENN AVE SOUTH	15+50	23+50									
13	E1-URD-PLN-001	DOWNTOWN HOPKINS STATION URBAN DESIGN PLAN 1	2509+50	2514+75		78	E4-LAN-RWY-003	ROYALSTON AVENUE	11+00	21+54									
14	E1-URD-PLN-002	DOWNTOWN HOPKINS STATION URBAN DESIGN PLAN 2	2514+75	2520+00		79	E4-LAN-RWY-004	HOLDEN STREET NORTH	52+75	60+00									
15	E1-URD-PLN-003	BLAKE STATION URBAN DESIGN PLAN 1	2573+60	2579+10		80	E4-LAN-RWY-005	BORDER AVENUE	60+00	75+13									
16	E1-URD-PLN-004	BLAKE STATION URBAN DESIGN PLAN 2	2579+10	2584+50		81	E0-LAN-DTL-001	LANDSCAPE DETAILS SHEET 1	-	-									
17	E1-URD-PLN-005	BLAKE STATION URBAN DESIGN PLAN 3	11+00	14+25		82	E0-LAN-DTL-002	LANDSCAPE DETAILS SHEET 2	-	-									
18	E2-URD-PLN-001	LOUISIANA STATION URBAN DESIGN PLAN 1	2632+00	2637+60		83	E0-LAN-DTL-003	LANDSCAPE DETAILS SHEET 3	-	-									
19	E2-URD-PLN-002	LOUISIANA STATION URBAN DESIGN PLAN 2	2637+60	2642+50		84	E0-LAN-DTL-004	LANDSCAPE DETAILS SHEET 4	-	-									
20	E2-URD-PLN-003	LOUISIANA STATION URBAN DESIGN PLAN 3	2642+50	2647+97		85	E0-LAN-DTL-005	PRELIMINARY PLANT SCHEDULE	-	-									
21	E2-URD-PLN-004	LOUISIANA STATION URBAN DESIGN PLAN 4	150+70	154+30															
22	E2-URD-PLN-005	WOODDALE STATION URBAN DESIGN PLAN 1	2661+50	2666+60															
23	E2-URD-PLN-006	WOODDALE STATION URBAN DESIGN PLAN 2	2666+60	2672+00															
24	E2-URD-PLN-007	WOODDALE STATION URBAN DESIGN PLAN 3	2672+00	2677+55															
25	E2-URD-PLN-008	BELTLINE STATION URBAN DESIGN PLAN 1	2705+75	2711+10															
26	E2-URD-PLN-009	BELTLINE STATION URBAN DESIGN PLAN 2	2711+10	2716+40															
27	E2-URD-PLN-010	BELTLINE STATION URBAN DESIGN PLAN 3	2716+40	2721+50															
28	E2-URD-PLN-011	BELTLINE STATION URBAN DESIGN PLAN 4	2721+50	2726+95															
29	E2-URD-PLN-012	BELTLINE STATION URBAN DESIGN PLAN 5	117+10	120+85															
30	E3-URD-PLN-001	WEST LAKE STATION URBAN DESIGN PLAN 1	2764+00	2769+30															
31	E3-URD-PLN-002	WEST LAKE STATION URBAN DESIGN PLAN 2	2769+30	2774+45															
32	E3-URD-PLN-003	21ST STREET STATION URBAN DESIGN PLAN	2819+75	2825+40															
33	E4-URD-PLN-001	PENN STATION URBAN DESIGN PLAN 1	2849+10	2854+70															
34	E4-URD-PLN-002	PENN STATION URBAN DESIGN PLAN 2	2854+70	2860+20															
35	E4-URD-PLN-003	PENN STATION URBAN DESIGN PLAN 3	0+00	3+55															
36	E4-URD-PLN-004	VAN WHITE STATION URBAN DESIGN PLAN 1	2894+50	2900+00															
37	E4-URD-PLN-005	VAN WHITE STATION URBAN DESIGN PLAN 2	2900+00	2905+45															
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40	E4-URD-PLN-008	ROYALSTON STATION URBAN DESIGN PLAN 1	2938+15	2943+80															
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		LANDSCAPE																	
43	E0-LAN-LGD-001	LANDSCAPE NOTES, ABBREVIATIONS & SYMBOLS																	
44	E1-LAN-PLN-001	DOWNTOWN HOPKINS STATION LANDSCAPE PLAN 1	2509+50	2514+75															
45	E1-LAN-PLN-002	DOWNTOWN HOPKINS STATION LANDSCAPE PLAN 2	2514 +75	2520+00															
46	E1-LAN-PLN-003	BLAKE STATION LANDSCAPE PLAN 1	2573+60	2579+10															
47	E1-LAN-PLN-004	BLAKE STATION LANDSCAPE PLAN 2	2579+10	2584+50															
48	E1-LAN-PLN-005	BLAKE STATION LANDSCAPE PLAN 3	11+00	14+25															
49	E2-LAN-PLN-001	LOUISIANA STATION LANDSCAPE PLAN 1	2632+00	2637+60															
50	E2-LAN-PLN-002	LOUISIANA STATION LANDSCAPE PLAN 2	2637+60	2642+50															
51	E2-LAN-PLN-003	LOUISIANA STATION LANDSCAPE PLAN 3	2642+50	2647+97															
52	E2-LAN-PLN-004	LOUISIANA STATION LANDSCAPE PLAN 4	150+70	154+30															
53	E2-LAN-PLN-005	WOODDALE STATION LANDSCAPE PLAN 1	2661+50	2666+60															
54	E2-LAN-PLN-006	WOODDALE STATION LANDSCAPE PLAN 2	2666+60	2672+00															
55	E2-LAN-PLN-007	WOODDALE STATION LANDSCAPE PLAN 3	2672+00	2677+55															
56	E2-LAN-PLN-008	BELTLINE STATION LANDSCAPE PLAN 1	2705+75	2711+10															
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NO. DATE BY CHECK/DESIGN REVISION / SUBMITTAL						AECOM 60% SUBMISSION - 09/28/15						METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension			CIVIL EAST - VOLUME 9 URBAN DESIGN / LANDSCAPE VOLUME INDEX OF PLAN SHEETS				SHEET 2 OF 85
						DISCIPLINE: GENERAL						SHEET NAME: E0-URD-IDX - 001							

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CIVIL EAST - VOLUME 9
GENERAL
KEY MAP

DISCIPLINE: GENERAL
SHEET NAME: E0-GEN-KEY - 001

SHEET
3
OF
85

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TRACK LINETYPES

- ROADWAY
- TRACK (LRT)
- TRACK (FRT)
- RETAINING WALL
- BALLAST CURB
- TUNNEL WALL
- FENCE
- EX ROW
- PROP ROW
- PROP TCE
- PROP PE
- FENCE / RAILING
- ID ID INTRUSION DETECTION

CIVIL LINETYPES

- ROADWAY
- TRACK (LRT)
- TRACK (FRT)
- RETAINING WALL
- BALLAST CURB
- TUNNEL WALL
- CONCRETE CURB AND GUTTER
- TRAIL
- SIDEWALK
- DRIVEWAY
- BRIDGE
- SAWCUT
- FENCE
- DELINEATED WETLAND
- WATER EDGE
- EX ROW
- PROP ROW
- PROP TCE
- PROP PE
- CROSSWALK
- STOP BAR
- MEDIAN NOSE

TRACK SYMBOLS

- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- PEDESTRIAN FLASHER
- AUTOMATIC GATE
- RAIL TURNOUT
- RAIL CROSSOVER (DOUBLE)
- RAIL CROSSOVER (SINGLE)
- POINT OF SWITCH (PS)
- OCS POLE FOUNDATION
- RAIL LUBRICATOR
- POINT OF INTERSECTION (PI) OF TURNOUT (TO)
- RAILROAD CURVE NUMBER

NOTE:
ALL TURNOUTS AND CROSSOVERS TO BE EQUIPPED WITH POWER
SWITCH MACHINES AND SWITCH HEATERS

CIVIL SYMBOLS

- ACCESSIBLE PEDESTRIAN CURB RAMP (DESIGN VARIES)
- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- AUTOMATIC GATE
- HANDICAP PARKING STALL
- TACTILE WARNING STRIP
- TPSS BUILDING (TPSS-SW###)
- SIGNAL OR INTERMEDIATE OR PLATFORM OR XING OR TUNNEL HOUSE OR ANY COMBINATION OF THESE

SURVEY NOTES

- THE HORIZONTAL DATUM OF THIS MAP IS BASED ON THE HENNEPIN COUNTY COORDINATE SYSTEM WHICH IS RELATED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM NAD 83 (2007) ADJUSTMENT SOUTH ZONE.
- THE PLANIMETRIC FEATURES SHOWN ON THIS MAP ARE AS PREPARED BY AERO-METRIC, INC. FROM AERIAL DATA AND IMAGERY COLLECTED IN APRIL 2012, AS SUPPLEMENTED BY FIELD SURVEYS COMPLETED BY MFRA, INC.
- HORIZONTAL POSITIONAL ACCURACY: USING THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY, THE DATA SET TESTED 0.14 FEET HORIZONTAL ACCURACY AT A 95% CONFIDENCE LEVEL.
- VERTICAL POSITIONAL ACCURACY: USING THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY, THE DATA SET TESTED 0.10 FEET VERTICAL ACCURACY AT 95% CONFIDENCE LEVEL.

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CIVIL EAST - VOLUME 9
GENERAL
LEGEND AND ABBREVIATIONS
SHEET 1

DISCIPLINE: GENERAL

SHEET NAME: E0-GEN-NTS - 001

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ABBREVIATIONS

AD	ALGEBRAIC DIFFERENCE
AVE	AVENUE
BGN	BEGIN
BP	BEGINNING POINT
BVCE	BEGINNING VERTICAL CURVE ELEVATION
BVCS	BEGINNING VERTICAL CURVE STATION
BLVD	BOULEVARD
BNSF	BURLINGTON NORTHERN SANTA FE RAILWAY
C&G	CURB AND GUTTER
☉	CENTERLINE
CIR	CIRCLE
CP	CANADIAN PACIFIC
CPRAIL	CANADIAN PACIFIC RAILWAY
CS	CURVE TO SPIRAL
CSAH	COUNTY STATE AID HIGHWAY
D&U	DRAINAGE AND UTILITY
DF	DIRECT FIXATION
DR	DRIVE
DTL	DETAIL
DWY	DRIVEWAY
E	EAST
Ea	ACTUAL SUPERELEVATION (INCHES)
EB	EAST BOUND
EL or ELEV	ELEVATION
EP	END POINT
ESMT	EASEMENT
Eu	UNBALANCED SUPERELEVATION (INCHES)
EVCE	ENDING VERTICAL CURVE ELEVATION
EVCS	ENDING VERTICAL CURVE STATION
EX	EXISTING
HCRRRA	HENNEPIN COUNTY REGIONAL RAILROAD AUTHORITY
LH	LEFT HAND
LN	LANE
LRT	LIGHT RAIL TRANSIT
Lc	CURVE LENGTH (FEET)
Ls	SPIRAL LENGTH (FEET)
MIN	MINIMUM
MPH	MILES PER HOUR
MPLS	CITY OF MINNEAPOLIS
MPRB	MINNEAPOLIS PARK AND RECREATION BOARD
N	NORTH
NB	NORTH BOUND
NIC	NOT IN CONTRACT
NO	NUMBER
OMF	OPERATIONS AND MAINTENANCE FACILITY
OCS	OVERHEAD CONTACT SYSTEM
OH	OVERHEAD
PC	POINT OF CURVE
PE	PERMANENT EASEMENT
PITO	POINT OF INTERSECTION OF TURNOUT
PKWY	PARKWAY
POT	POINT ON TANGENT
PROP	PROPOSED
PS	POINT OF SWITCH
PT	POINT OF TANGENT
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS (FEET)
RD	ROAD
RL	RAIL LUBRICATOR
r	RATE OF CHANGE VERTICAL CURVE
RH	RIGHT HAND
ROW	RIGHT OF WAY
S	SOUTH
SB	SOUTH BOUND
SC	SPIRAL TO CURVE
SIG-COMM	SIGNAL COMMUNICATION
ST	STREET
ST	SPIRAL TO TANGENT
STA	STATION
TCE	TEMPORARY CONSTRUCTION EASEMENT
TH	TRUNK HIGHWAY
THRU	THROUGH
TOR	TOP OF RAIL
TPSS	TRACTION POWER SUBSTATION
TRK	TRACK
TS	TANGENT TO SPIRAL
TYP	TYPICAL
UG	UNDERGROUND
V	DESIGN VELOCITY (MPH)
VC	VERTICAL CURVE
W	WEST
WB	WEST BOUND

TRAIL INDEX

ABBREVIATED NAME	FULL NAME / LOCATION
TRAIL 1	UNDER RED CIRCLE DR, LRT, AND YELLOW CIRCLE DR
TRAIL 2	FROM TRAIL 1 TO GREEN CIRCLE DR
TRAIL 3	OPUS STATION ACCESS FROM BREN RD E
TRAIL 4	FROM BREN RD W TO TRAIL 5
TRAIL 5	FROM OPUS STATION TO GREEN CIRCLE DR
TRAIL 6	FROM TRAIL 5 TO SMETANA RD
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL TRAIL/FROM SHADY OAK STATION TO 11TH AVE
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL TRAIL/WEST OF EXCELSIOR
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL LRT TRAIL/BETWEEN EXCELSIOR AND KENILWORTH TRAIL CONNECTION
MIDTOWN GREENWAY	MIDTOWN GREENWAY/EAST OF KENILWORTH TRAIL CONNECTION
TRAIL A	KENILWORTH TRAIL (SECONDARY)/BETWEEN CEDAR-ISLES CHANNEL AND 21ST STREET STATION
TRAIL B	KENILWORTH TRAIL (SECONDARY)/BETWEEN 21ST STREET STATION AND PENN STATION
TRAIL B	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL C	10' CONNECTOR TRAIL FROM CEDAR LAKE LRT REGIONAL TRAIL TO TYLER AVE.
TRAIL D	10' CONNECTOR TRAIL/BELTLINE STATION TO CEDAR LAKE LRT REGIONAL TRAIL
KENILWORTH TRAIL	KENILWORTH TRAIL (MAIN)/W LAKE ST TO PENN STATION
CEDAR LAKE TRAIL	CEDAR LAKE TRAIL (MAIN)/PENN STATION TO TH 394
TRAIL E	KENILWORTH TRAIL (SECONDARY)/EAST OF W LAKE ST
TRAIL F	KENILWORTH TRAIL (SECONDARY)/WEST OF CEDAR LAKE PKWY
TRAIL G	KENILWORTH TRAIL (SECONDARY)/WEST OF PENN STATION
TRAIL G	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL H	10' CONNECTOR TRAIL/EAST OF PENN STATION TO KENWOOD PKWY
TRAIL I	NOT USED
CEDAR LAKE TRAIL	CEDAR LAKE TRAIL (MAIN)/AT-GRADE CROSSING AT PENN STATION
TRAIL J	CEDAR LAKE TRAIL (SECONDARY)/NORTHWEST OF PENN STATION
TRAIL K	CEDAR LAKE TRAIL (SECONDARY)/NORTHWEST OF PENN STATION
TRAIL L	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL M	NOT USED
TRAIL N	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO EDGEBROOK DRIVE
TRAIL O	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO W LAKE STREET
TRAIL P	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO LOUISIANA AVE
TRAIL Q	10' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO TH 7 SERVICE ROAD
TRAIL R	20' CONNECTOR TRAIL FROM VAN WHITE STATION TO CEDAR LAKE TRAIL
TRAIL S	NOT USED
TRAIL T	8' CONNECTOR TRAIL FROM VAN WHITE STATION TO VAN WHITE MEMORIAL BLVD
TRAIL U	10' TRAIL PARALLEL TO CEDAR LAKE PKWY
LUCE LINE TRAIL	LUCE LINE REGIONAL TRAIL/ON BRIDGE OVER LIGHT RAIL
TRAIL V	CONNECTOR TRAIL TO LUCE LINE REGIONAL TRAIL WEST OF LIGHT RAIL
TRAIL W	CONNECTOR TRAIL TO LUCE LINE REGIONAL TRAIL WEST OF LIGHT RAIL

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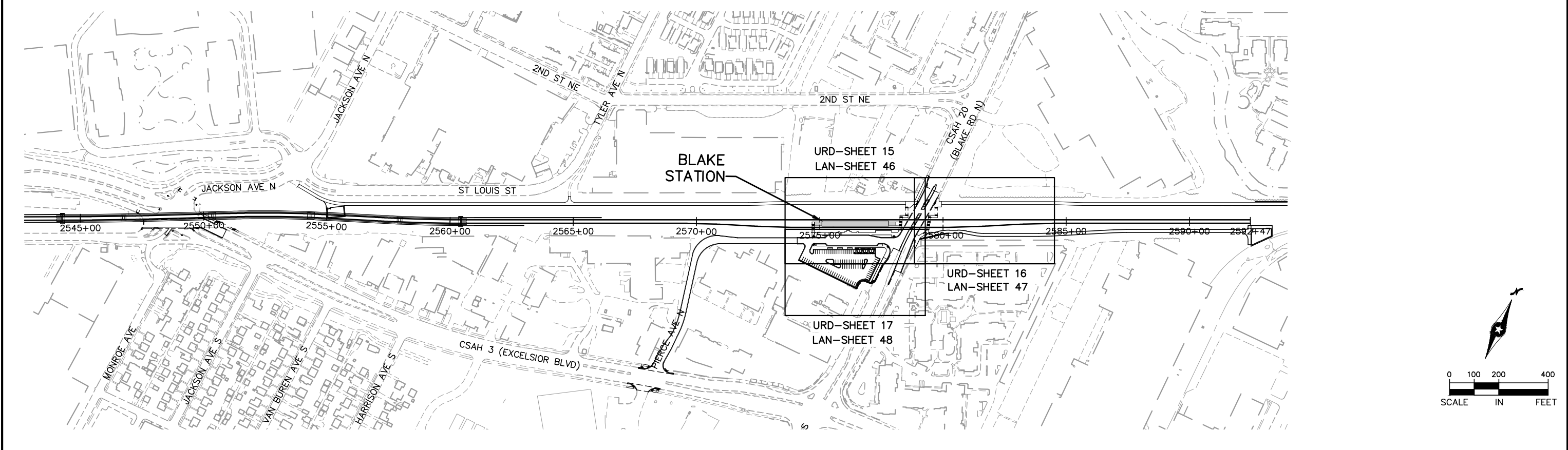
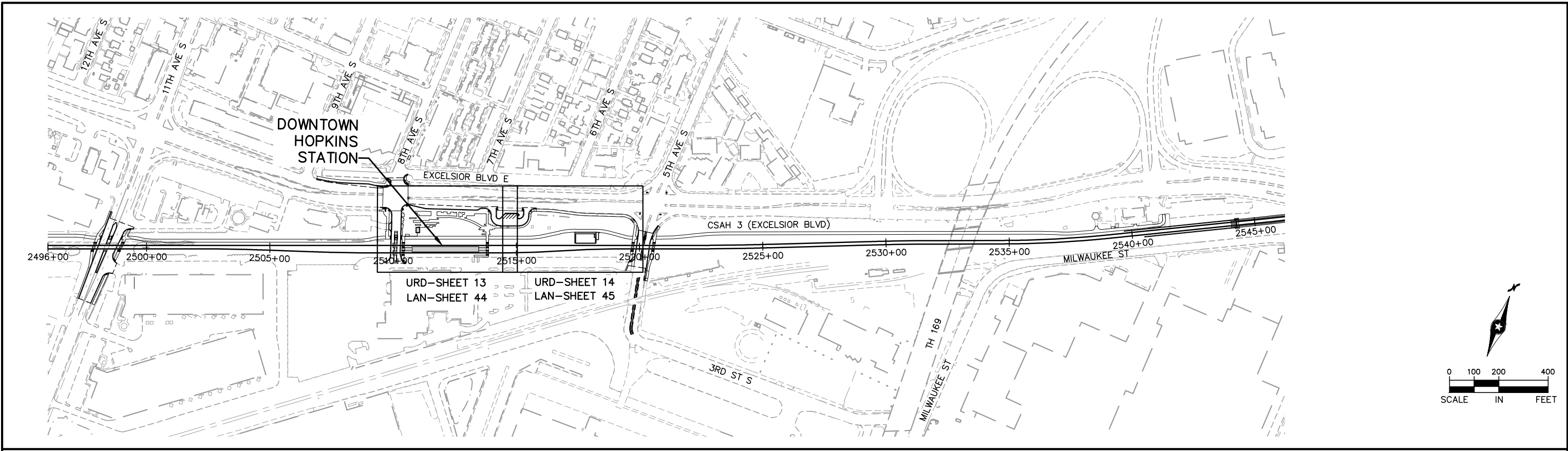


CIVIL EAST - VOLUME 9
GENERAL
LEGEND AND ABBREVIATIONS
SHEET 2

DISCIPLINE: GENERAL

SHEET NAME: E0-GEN-NTS - 002

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METROPOLITAN
COUNCIL

SOUTHWEST
Green Line LRT Extension

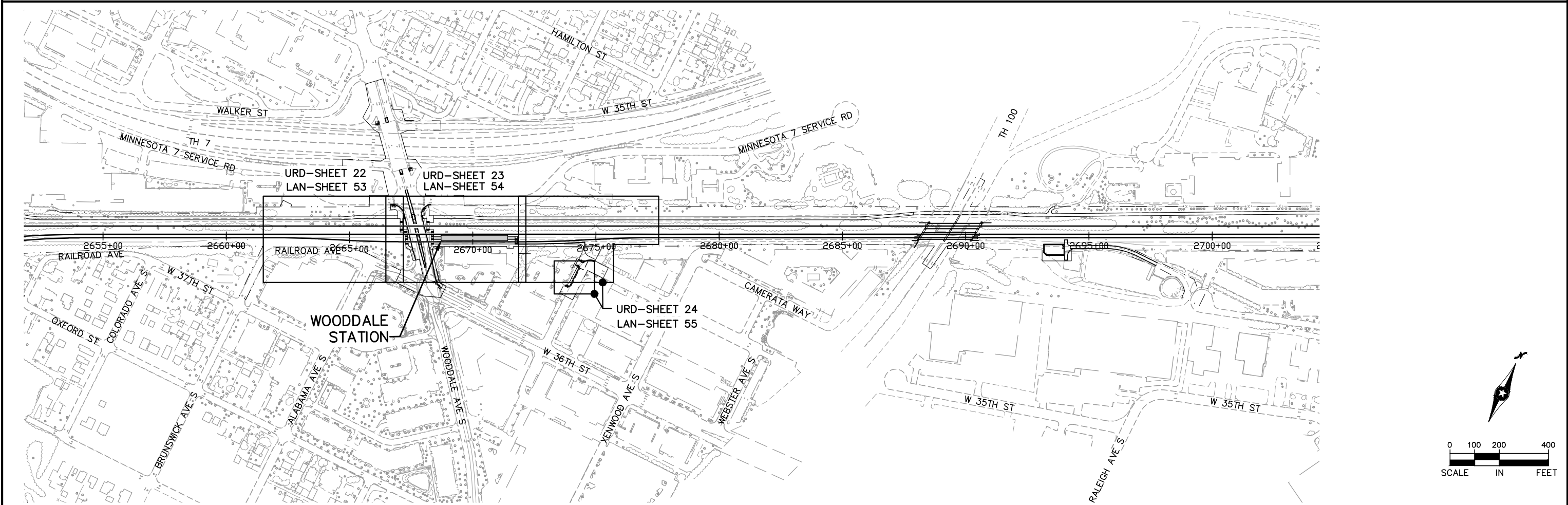
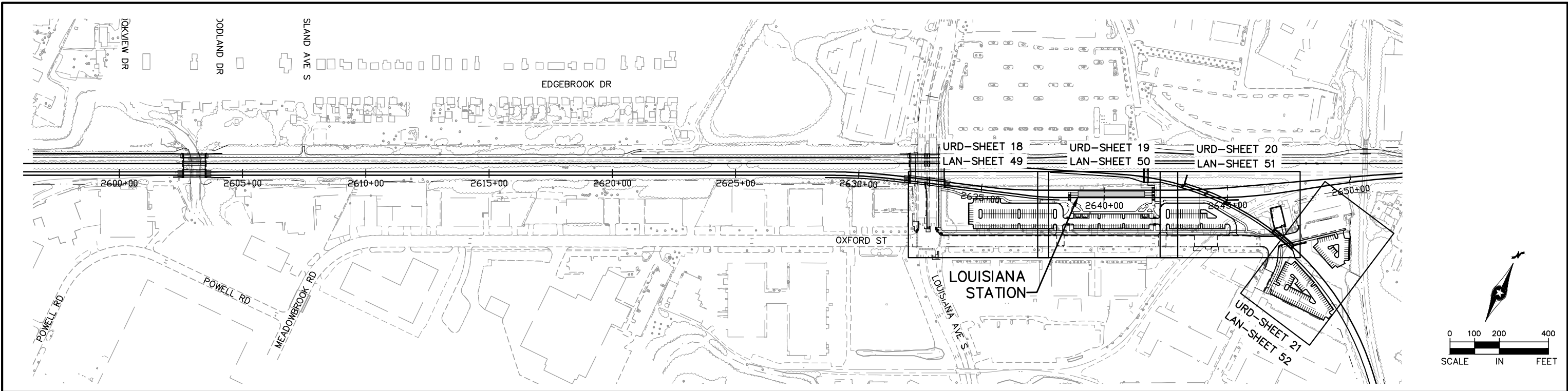
CIVIL EAST - VOLUME 9
URBAN DESIGN AND LANDSCAPE
PLAN SHEET LAYOUT
SHEET 1

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E1-URD-LAY - 001

SHEET
6
OF
85

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**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

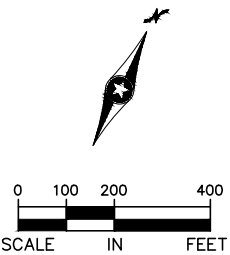
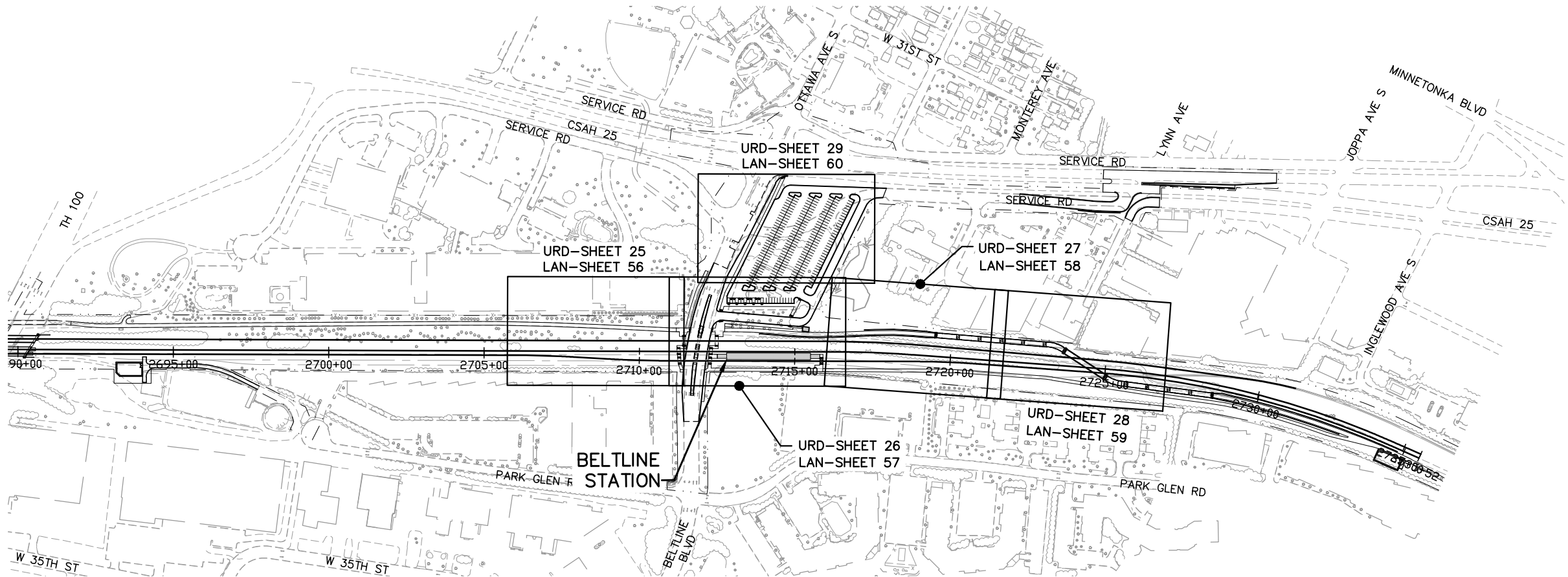
DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-URD-LAY - 001

CIVIL EAST - VOLUME 9
URBAN DESIGN AND LANDSCAPE
PLAN SHEET LAYOUT
SHEET 2

SHEET
7
OF
85

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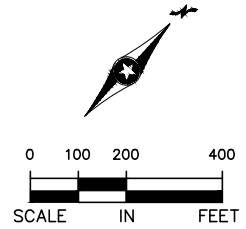
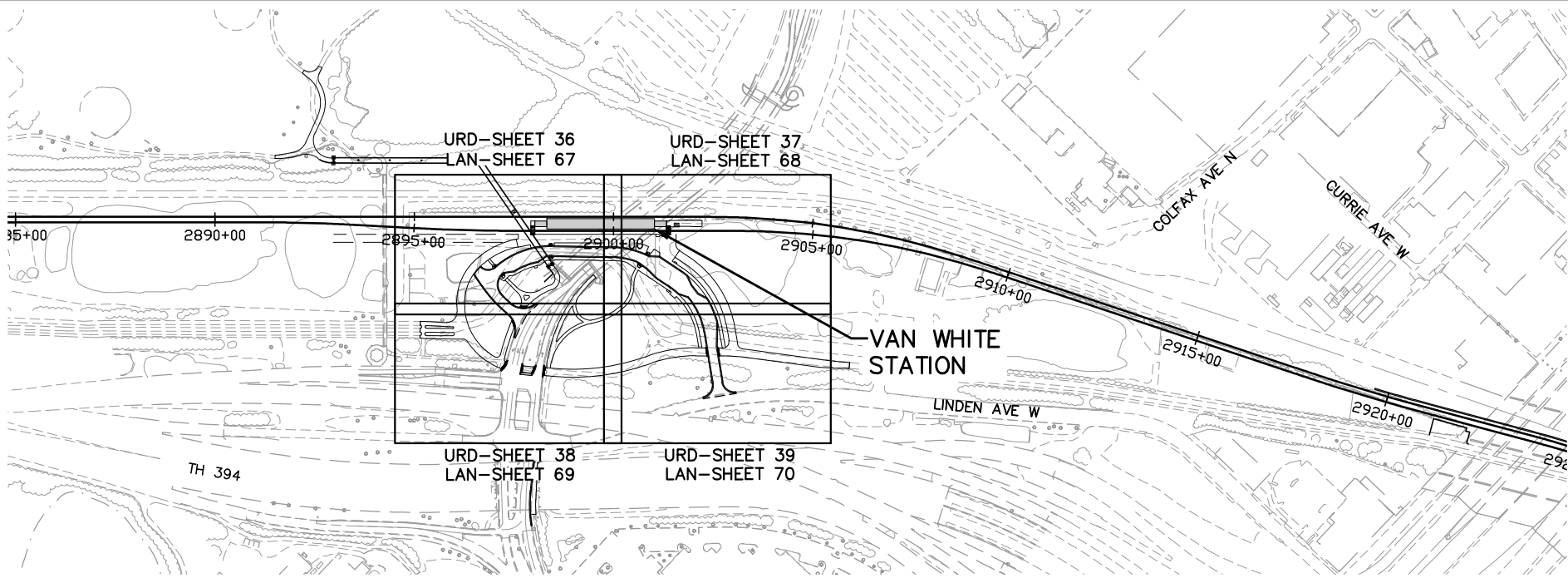
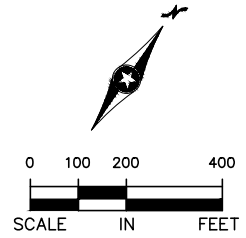
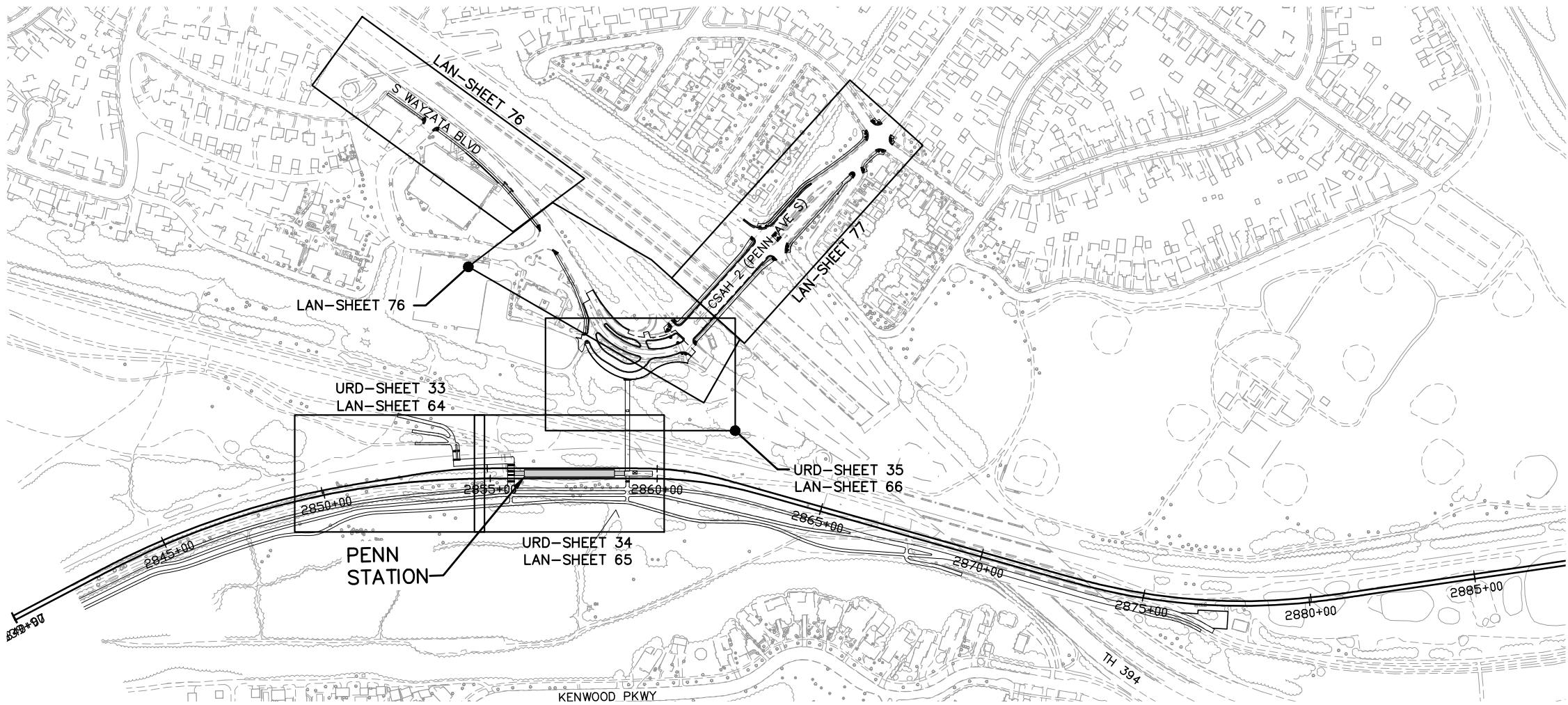
CIVIL EAST - VOLUME 9
URBAN DESIGN AND LANDSCAPE
PLAN SHEET LAYOUT
SHEET 3

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-URD-LAY - 002

SHEET
8
OF
85

Sep. 21 2015 04:13 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-URD-LAY.dwg By: V-MozzeiBR



NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

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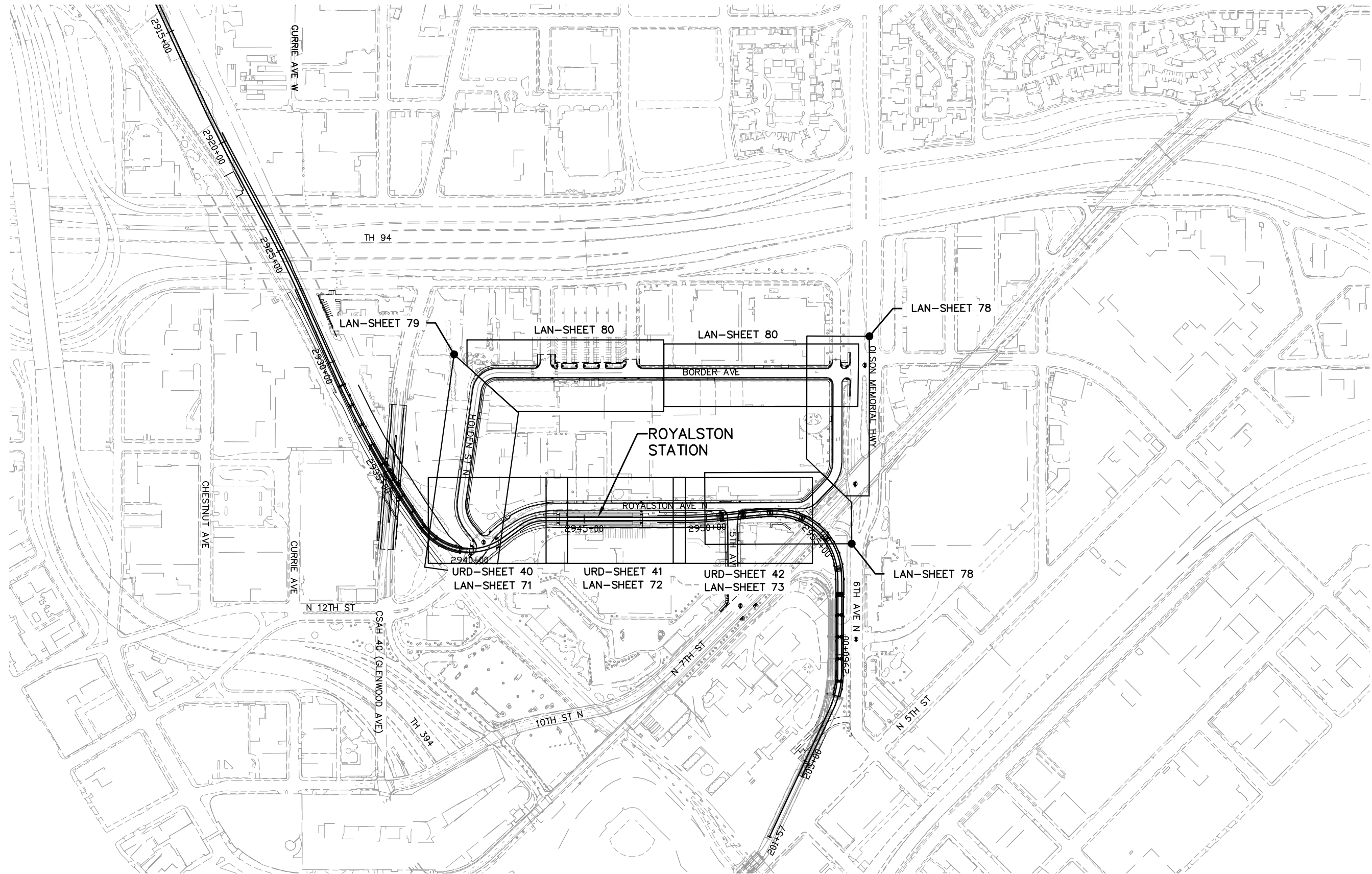
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URBAN DESIGN AND LANDSCAPE
PLAN SHEET LAYOUT
SHEET 5

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-URD-LAY - 001

SHEET
10
OF
85

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CIVIL EAST - VOLUME 9
URBAN DESIGN AND LANDSCAPE
PLAN SHEET LAYOUT
SHEET 6

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-URD-LAY - 002

Sep. 21 2015 02:05 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E0-URD-LGD.dwg By: V-MozzetBR

GENERAL LEGEND

	ROADWAY CL
	TRACK CL
	CONCRETE CURB AND GUTTER
	RETAINING WALL
	BALLAST CURB
	TUNNEL WALL
	EX ROW
	PROP ROW
	PROP TCE
	PROP PE
	DELINEATED WETLAND
	WATER EDGE
	CROSSWALK
	TRAIL (WIDTH VARIES)
	DRIVEWAY (DESIGN VARIES)
	PEDESTRIAN RAMP (DESIGN VARIES)
	AUTOMATIC GATE
	PEDESTRIAN FLASHER
	OCS POLE
	TPSS BUILDING (TPSS-SW###)
	SIGNAL OR INTERMEDIATE OR PLATFORM OR XING OR TUNNEL HOUSE OR ANY COMBINATION OF THESE

GENERAL LEGEND

	OVERSTORY DECIDUOUS TREE
	OVERSTORY DECIDUOUS TREE IN TREE GRATE
	ORNAMENTAL DECIDUOUS TREE
	CONIFEROUS TREE
	ROADWAY/PEDESTRIAN LIGHT

URBAN DESIGN LEGEND

	CONCRETE WALK
	WALK - SPECIAL PAVEMENT
	FENCE TYPE A
	FENCE TYPE B
	BUS SHELTER TYPE A (6'X12')
	BUS SHELTER TYPE B (4'X12')
	BENCH (6')
	BICYCLE LOOP
	TRASH AND RECYCLING RECEPTACLE
	BOLLARD

GENERAL NOTES

1. THE LINEWORK OR HATCH PATTERN SHOWN ON THE SIDEWALK IS PROVIDED TO HELP DELINEATE SIDEWALK LOCATIONS AND IS NOT INTENDED TO REPRESENT A JOINTING LAYOUT.
2. WHERE REQUIRED, ALL METAL URBAN DESIGN ELEMENTS INCLUDING FENCES, RAILINGS, AND BIKE RACKS ADJACENT TO TRACKWAY SHALL BE GROUNDED.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



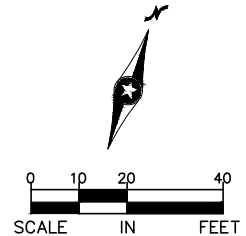
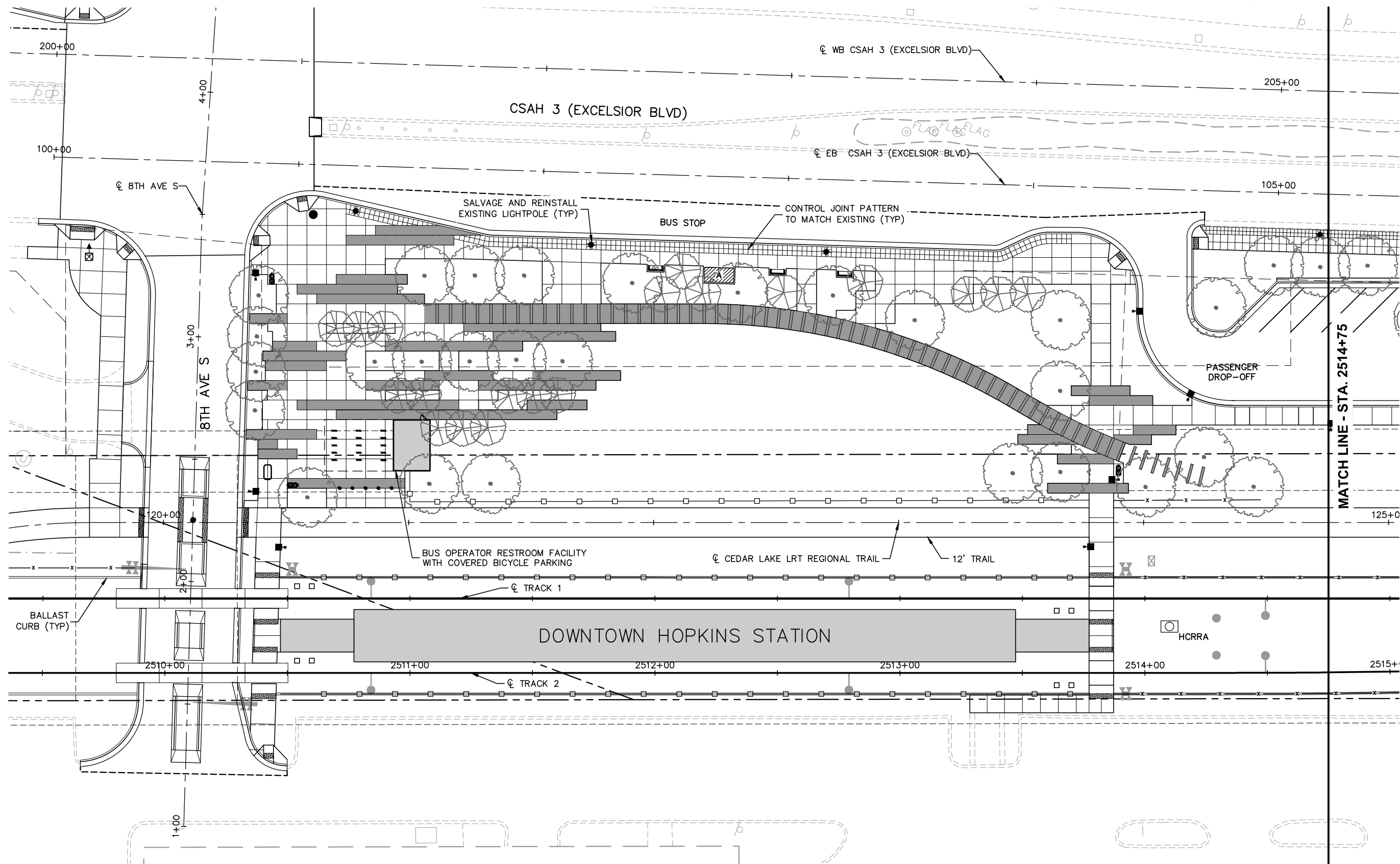
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 9
URBAN DESIGN
NOTES, ABBREVIATIONS, & SYMBOLS

DISCIPLINE: LANDSCAPE ARCH

SHEET NAME: E0-URD-LGD - 001

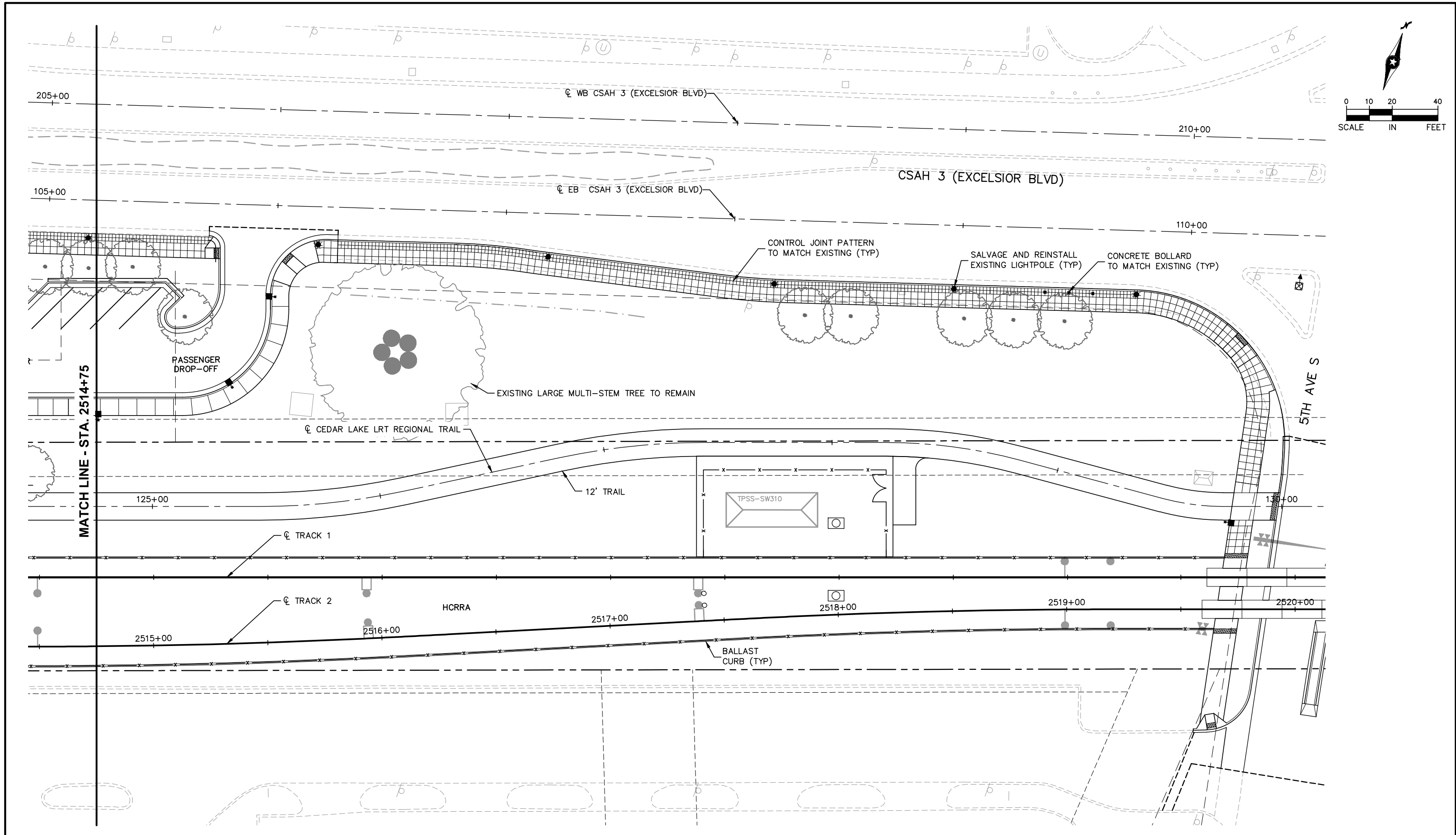
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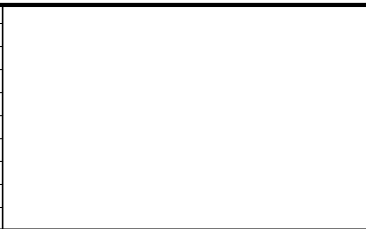
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn		 	CIVIL EAST - VOLUME 9 DOWNTOWN HOPKINS STATION URBAN DESIGN PLAN 1 STA. 2509+50 TO STA. 2514+75	SHEET 13 OF 85
60% SUBMISSION - 09/28/15			DISCIPLINE: LANDSCAPE ARCH	SHEET NAME: E1-URD-PLN - 001

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



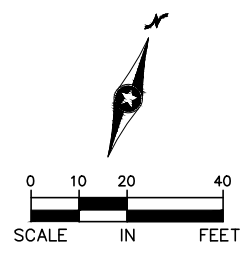
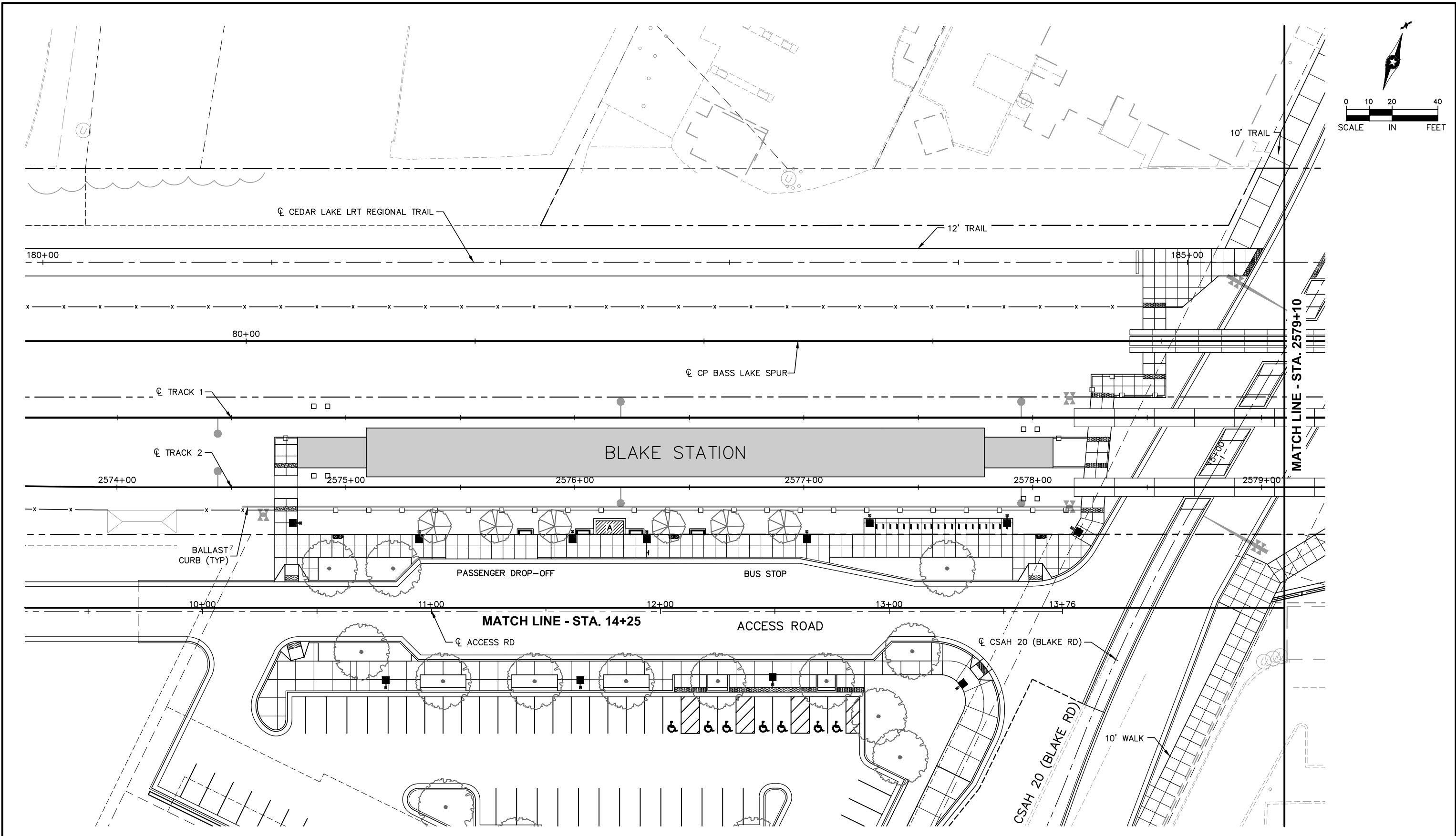
AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 9 DOWNTOWN HOPKINS STATION URBAN DESIGN PLAN 2 STA. 2514+75 TO 2520+00		SHEET 14 OF 85
DISCIPLINE: LANDSCAPE ARCH	SHEET NAME: E1-URD-PLN - 002	

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

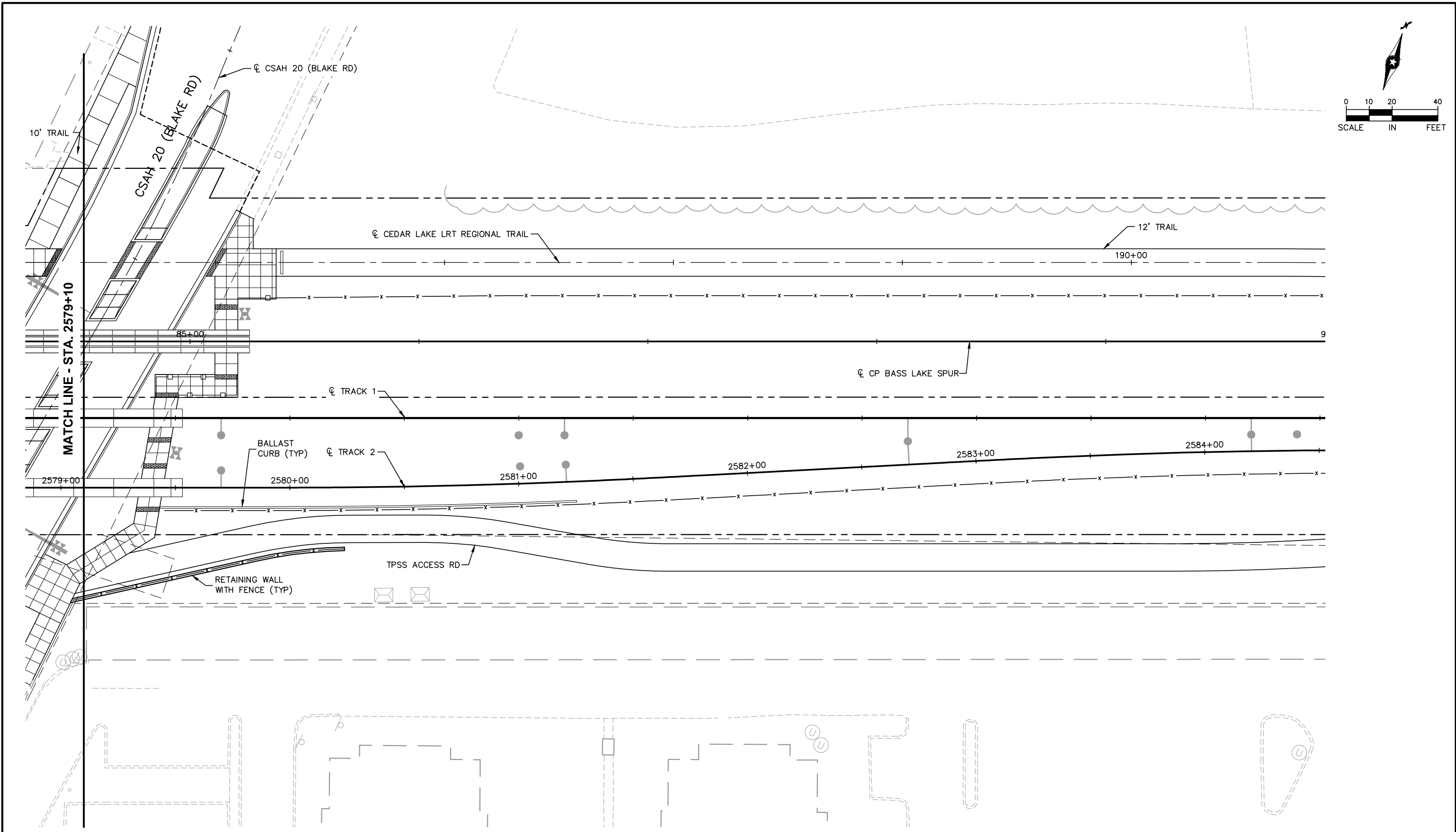
CIVIL EAST - VOLUME 9
BLAKE STATION
URBAN DESIGN PLAN 1
STA. 2573+60 TO STA. 2579+10

DISCIPLINE:
LANDSCAPE ARCH

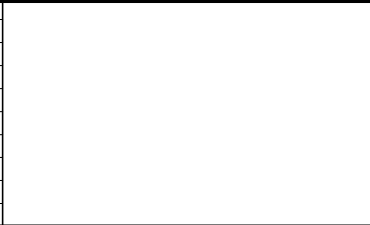
SHEET NAME:
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SHEET
15
OF
85

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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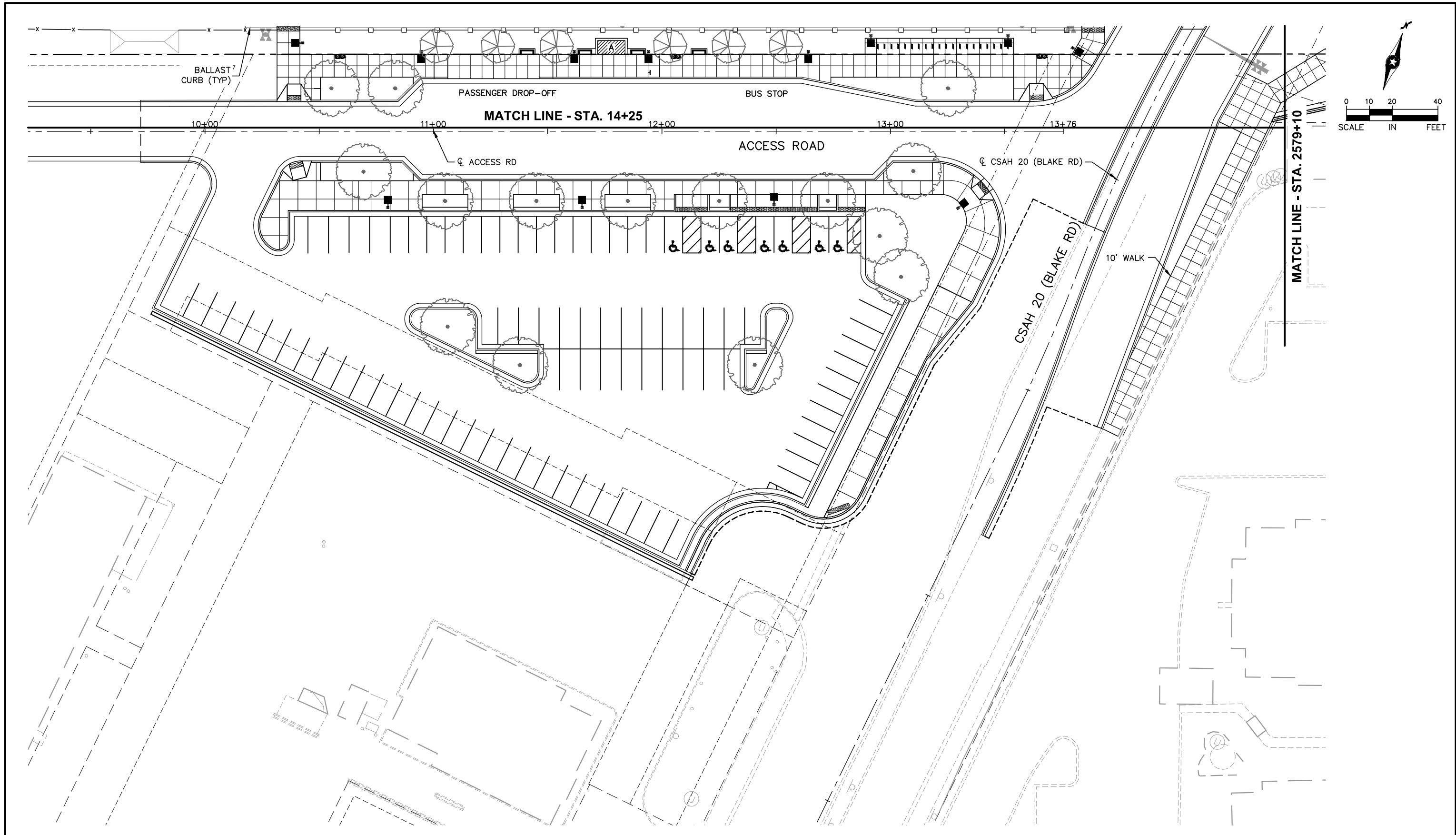
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BLAKE STATION
URBAN DESIGN PLAN 2
STA. 2579+10 TO STA. 2584+50

DISCIPLINE: LANDSCAPE ARCH

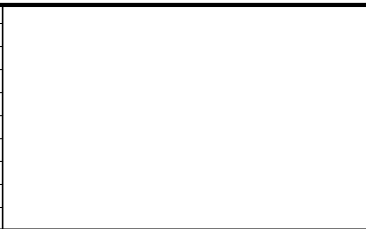
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SHEET
16
OF
85

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60% SUBMISSION - 09/28/15

**METROPOLITAN**
C O U N C I L

**SOUTHWEST**
Green Line LRT Extension

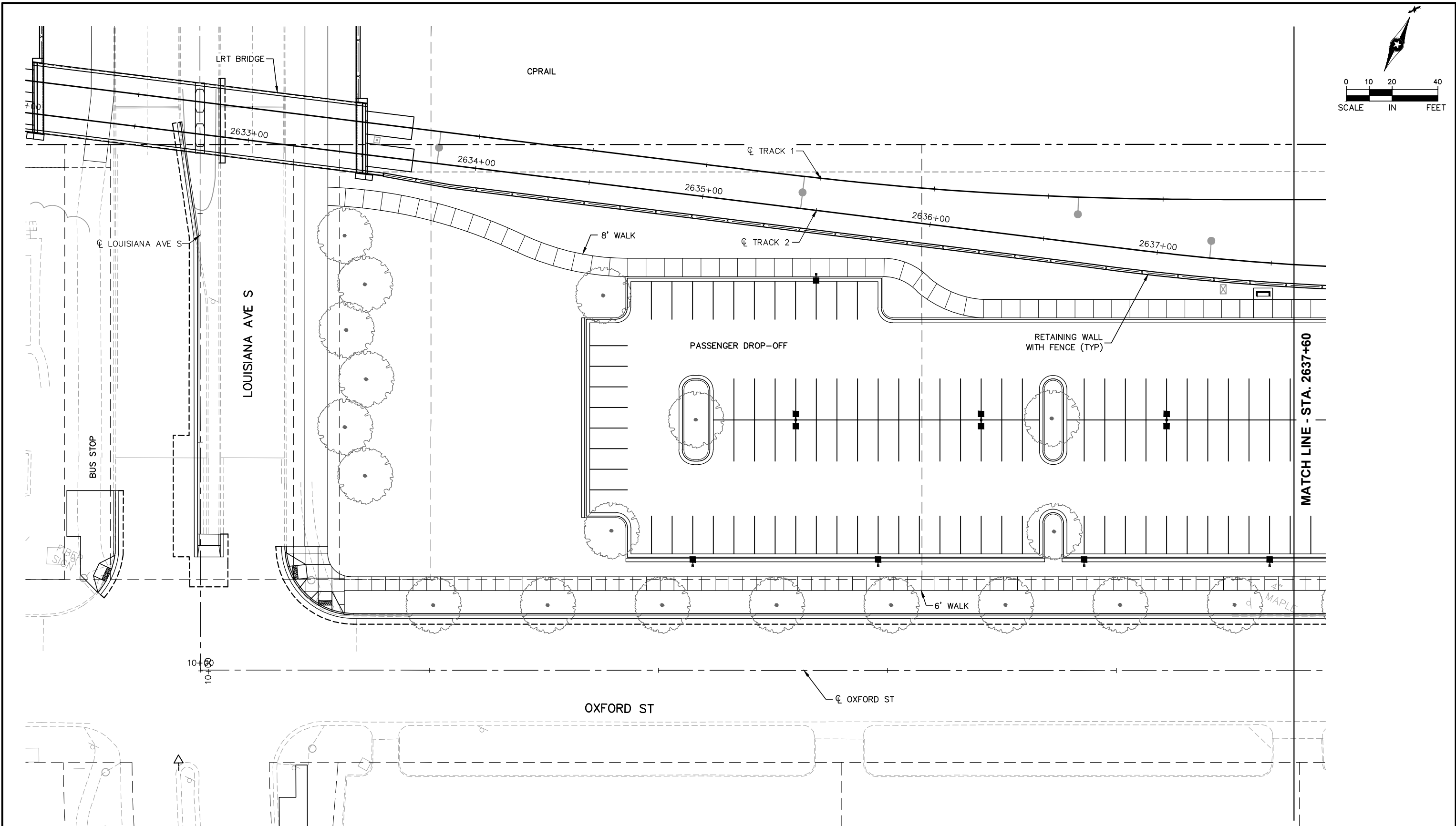
CIVIL EAST - VOLUME 9
BLAKE STATION
URBAN DESIGN PLAN 3
STA. 11+00 TO STA. 14+25

DISCIPLINE:
LANDSCAPE ARCH

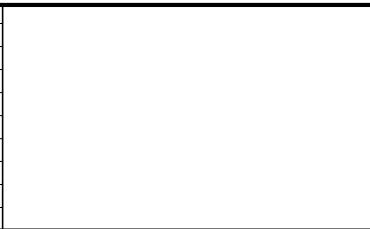
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SHEET
17
OF
85

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AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

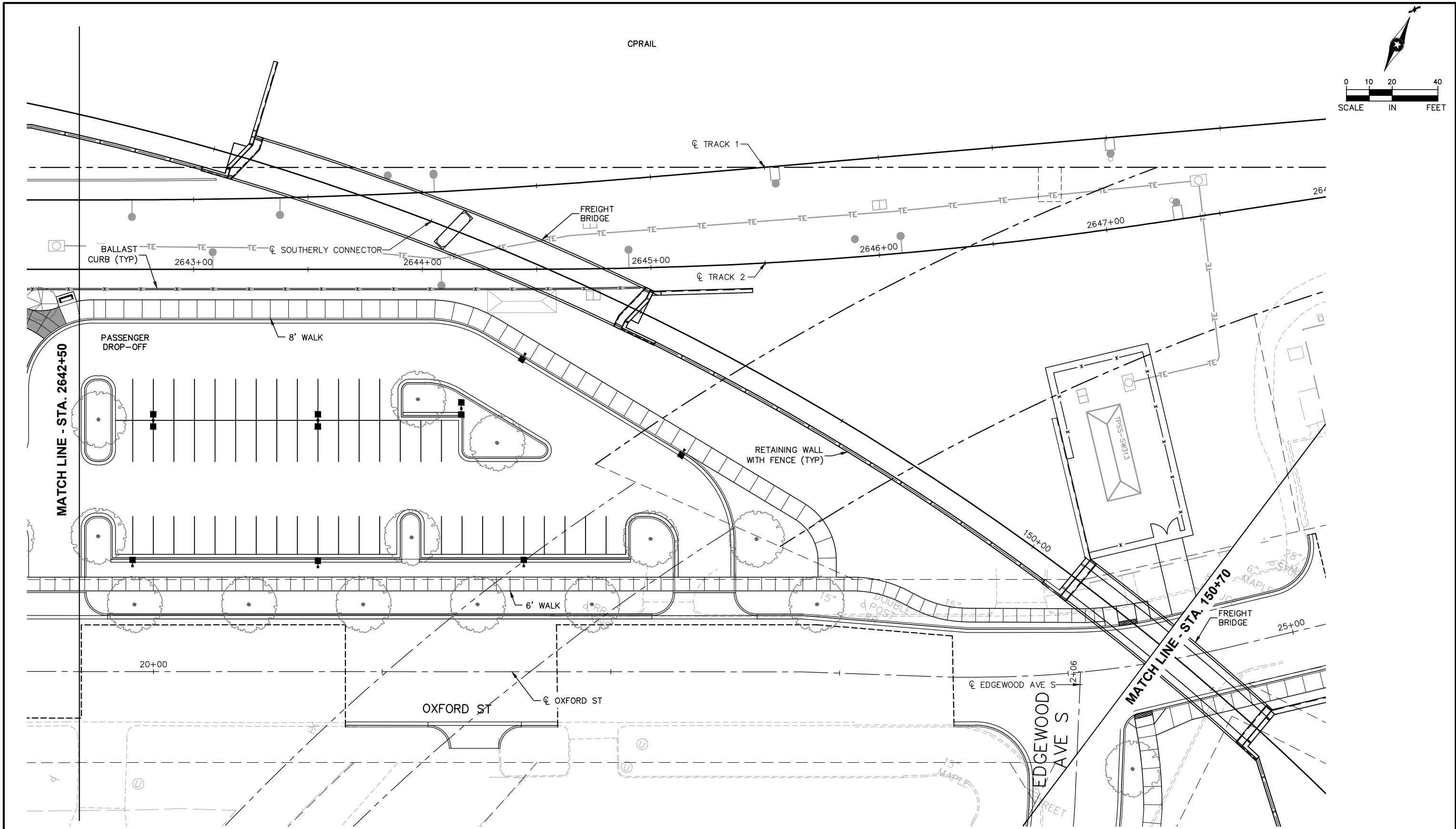
CIVIL EAST - VOLUME 9
LOUISIANA STATION
URBAN DESIGN PLAN 1
STA. 2632+00 TO STA. 2637+60

DISCIPLINE:
LANDSCAPE ARCH

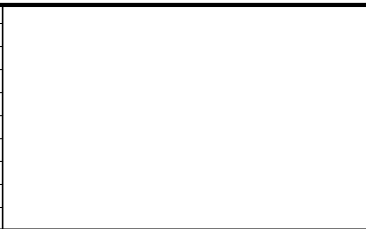
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E2-URD-PLN - 001

SHEET
18
OF
85

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 9
LOUISIANA STATION
URBAN DESIGN PLAN 3
STA. 2642+50 TO STA. 2647+97

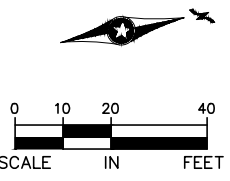
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SHEET NAME: E2-URD-PLN - 003

SHEET 20 OF 85

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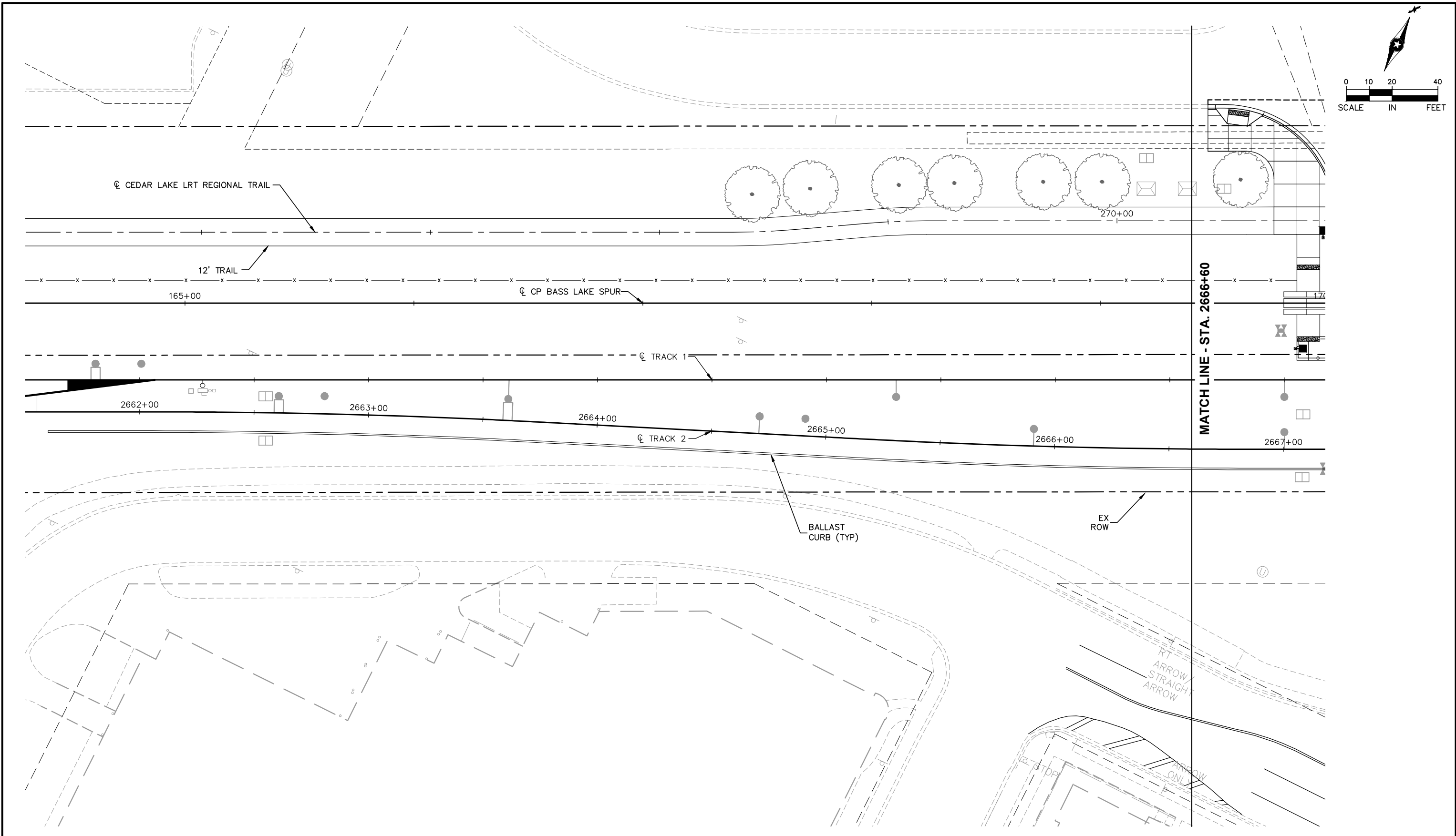
MATCH LINE - STA. 150+70



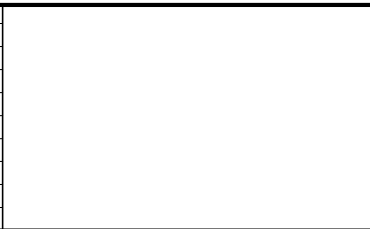
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

				CIVIL EAST - VOLUME 9 LOUISIANA STATION URBAN DESIGN PLAN 4 STA. 150+70 TO STA. 154+30		SHEET 21 OF 85
		60% SUBMISSION - 09/28/15	DISCIPLINE: LANDSCAPE ARCH	SHEET NAME: E2-URD-PLN - 004		

Sep. 21 2015 03:43 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-URD-PLN.dwg By: alex.milanoski



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60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

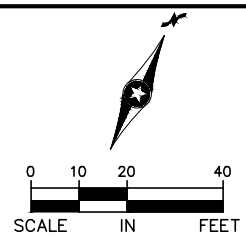
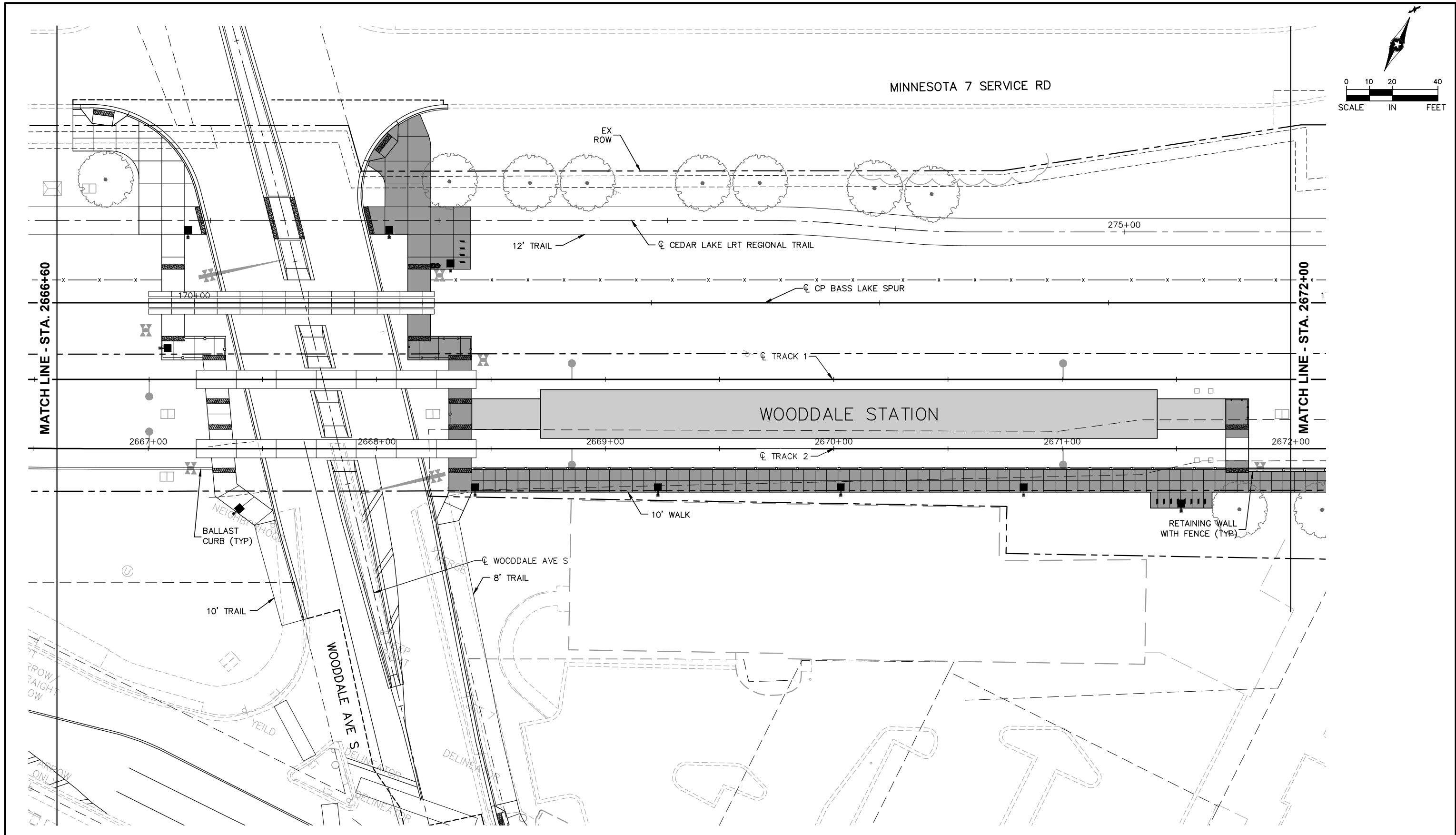
CIVIL EAST - VOLUME 9
WOODDALE STATION
URBAN DESIGN PLAN 1
STA. 2661+50 TO STA. 2666+60

DISCIPLINE:
LANDSCAPE ARCH

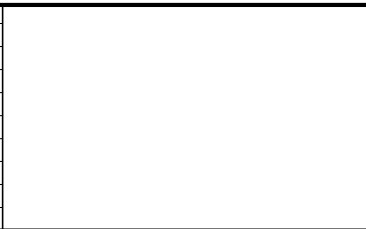
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SHEET
22
OF
85

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



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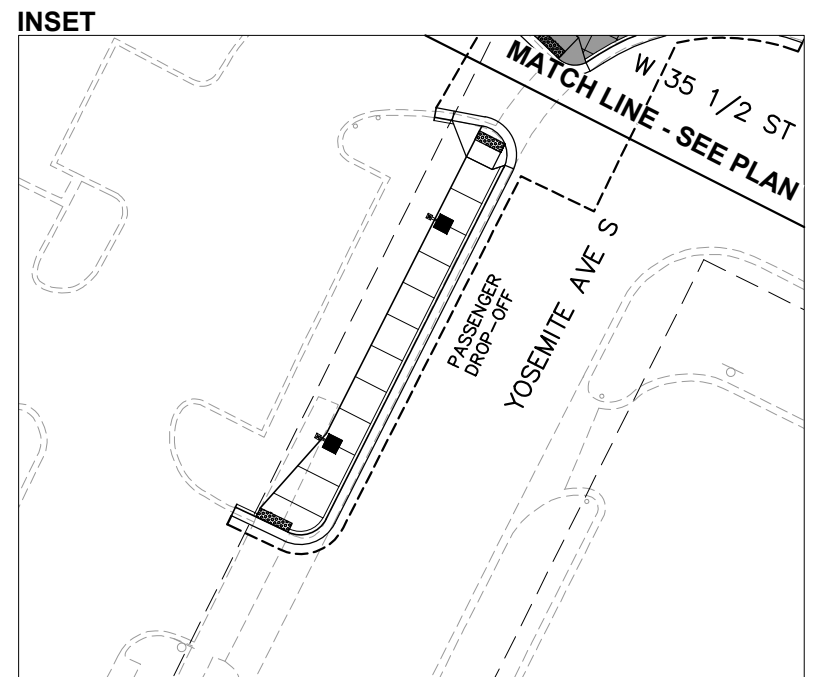
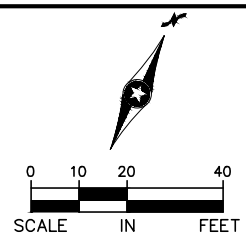
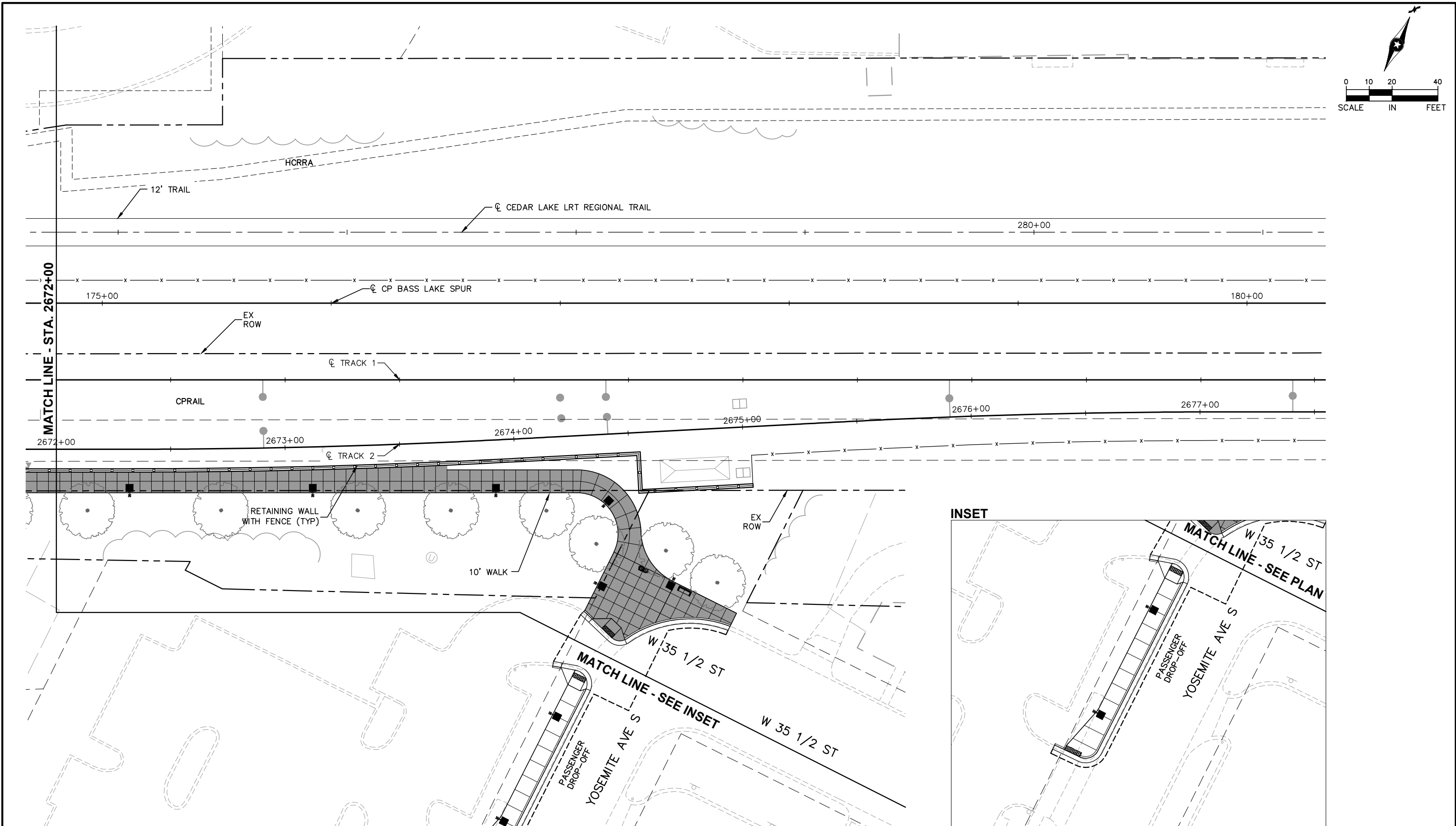
CIVIL EAST - VOLUME 9
WOODDALE STATION
URBAN DESIGN PLAN 2
STA. 2666+60 TO STA. 2672+00

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-URD-PLN - 006

SHEET
23
OF
85

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**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

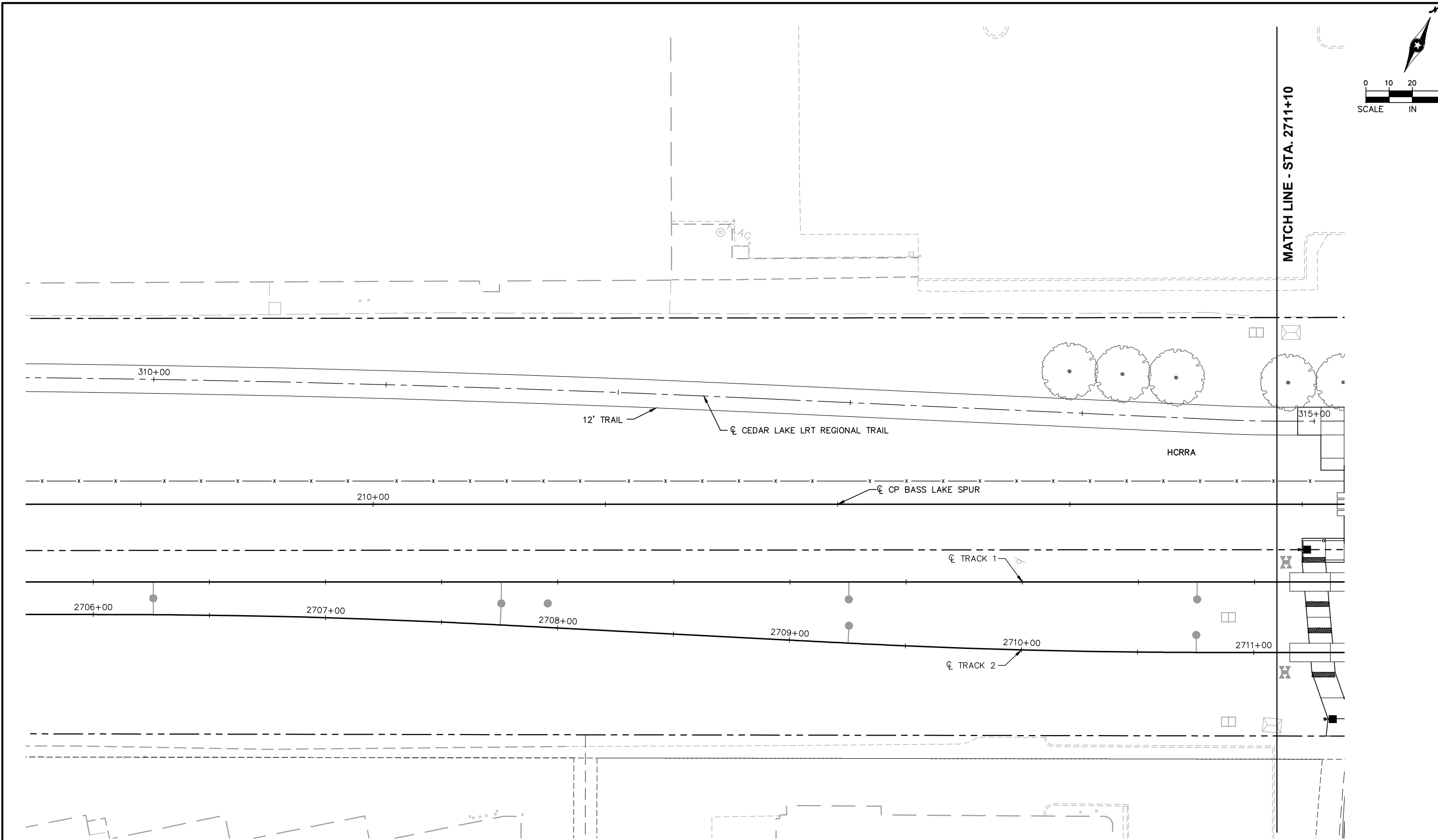
CIVIL EAST - VOLUME 9
WOODDALE STATION
URBAN DESIGN PLAN 3
STA. 2672+00 TO STA. 2677+55

DISCIPLINE:
LANDSCAPE ARCH

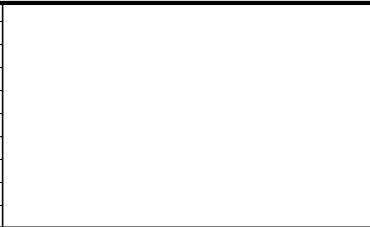
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SHEET
24
OF
85

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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

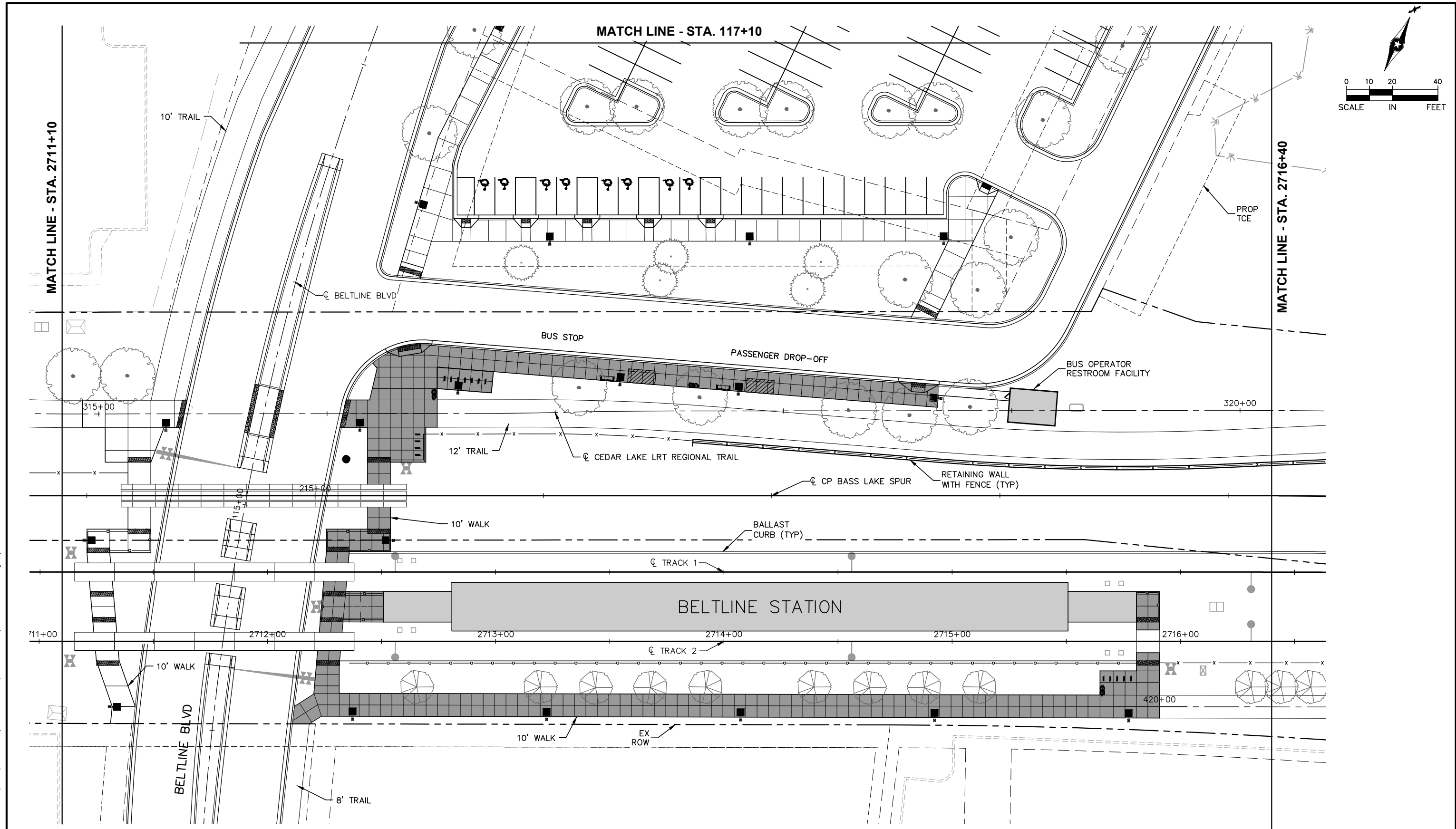
CIVIL EAST - VOLUME 9
BELTLINE STATION
URBAN DESIGN PLAN 1
STA. 2705+75 TO STA. 2711+10

DISCIPLINE: LANDSCAPE ARCH

SHEET NAME: E2-URD-PLN - 008

SHEET
25
OF
85

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**METROPOLITAN COUNCIL**

**SOUTHWEST**
Green Line LRT Extension

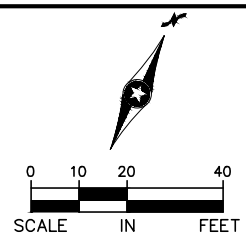
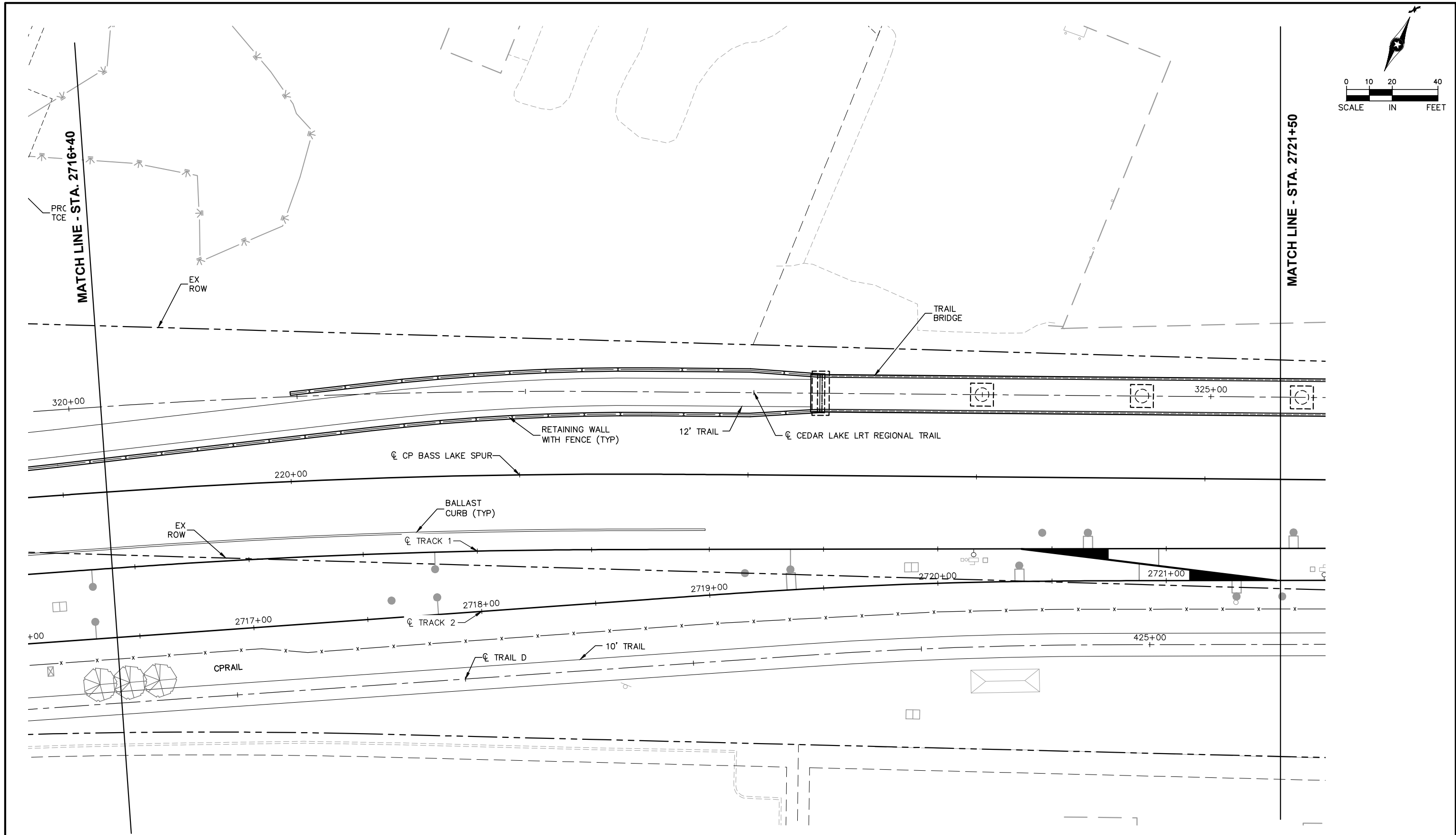
CIVIL EAST - VOLUME 9
BELTLINE STATION
URBAN DESIGN PLAN 2
STA. 2711+10 TO STA. 2716+40

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-URD-PLN - 009

SHEET
26
OF
85

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



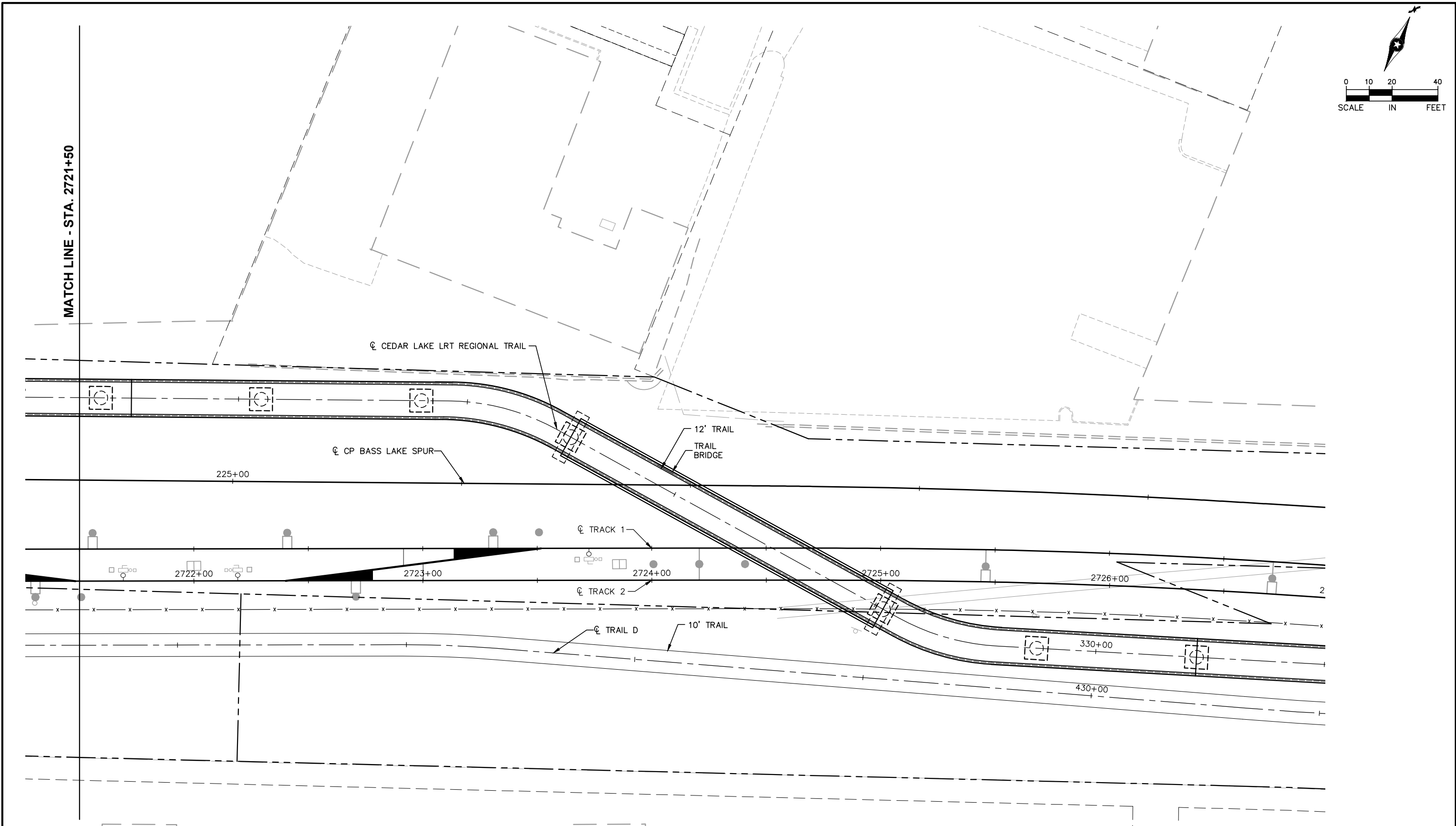
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 9
BELTLINE STATION
URBAN DESIGN PLAN 3
STA. 2716+40 TO STA. 2721+50

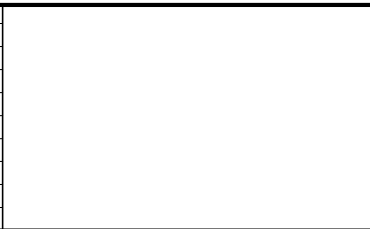
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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

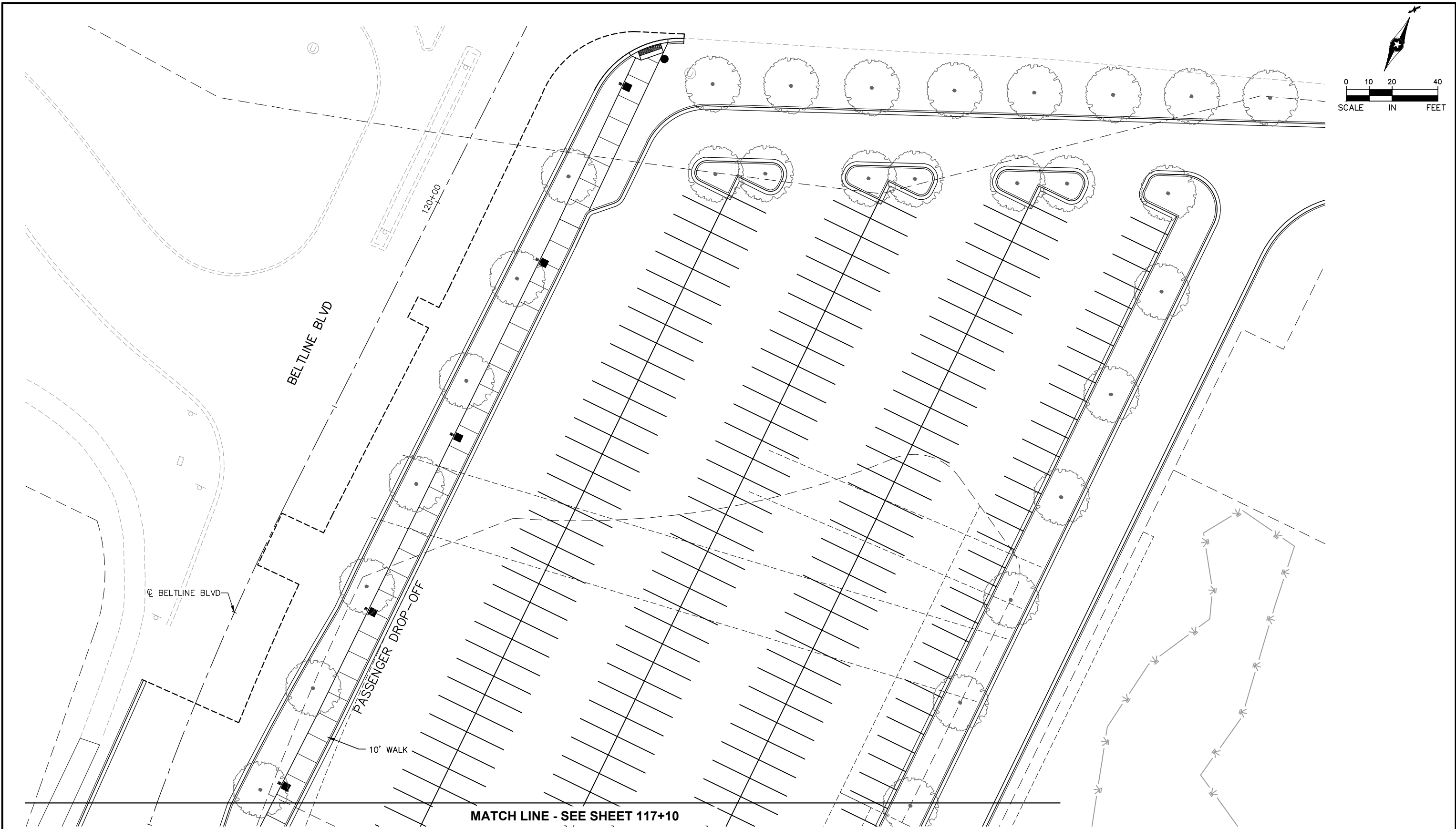
CIVIL EAST - VOLUME 9
BELTLINE STATION
URBAN DESIGN PLAN 4
STA. 2721+50 TO STA. 2726+95

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-URD-PLN - 011

SHEET
28
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85

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



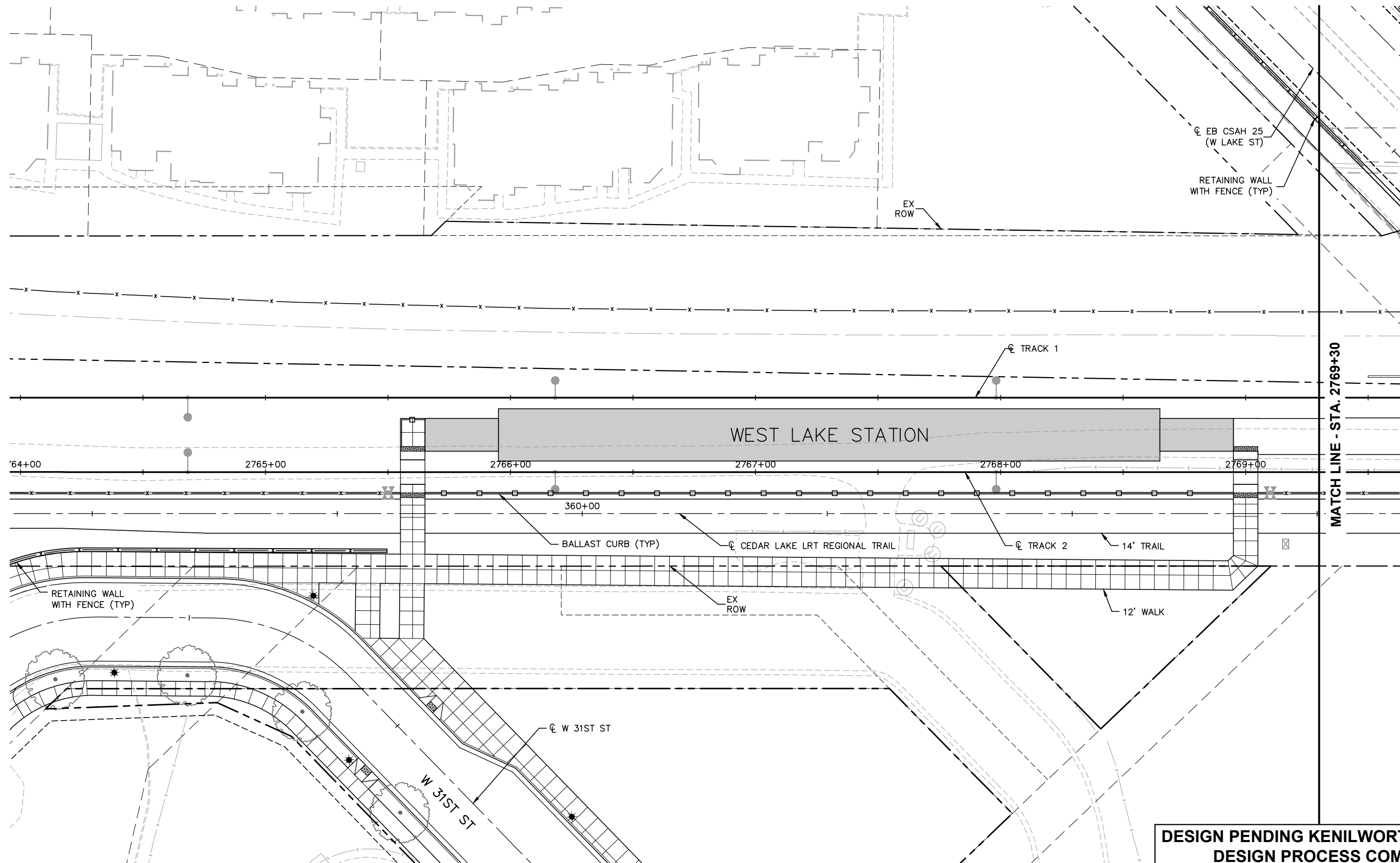
CIVIL EAST - VOLUME 9
BELTLINE STATION
URBAN DESIGN PLAN 5
STA. 117+10 TO STA. 120+85

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-URD-PLN - 012

SHEET
29
OF
85

Sep. 21 2015 11:36 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E3-URD-PLN.dwg By: V-MozzeiBR



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



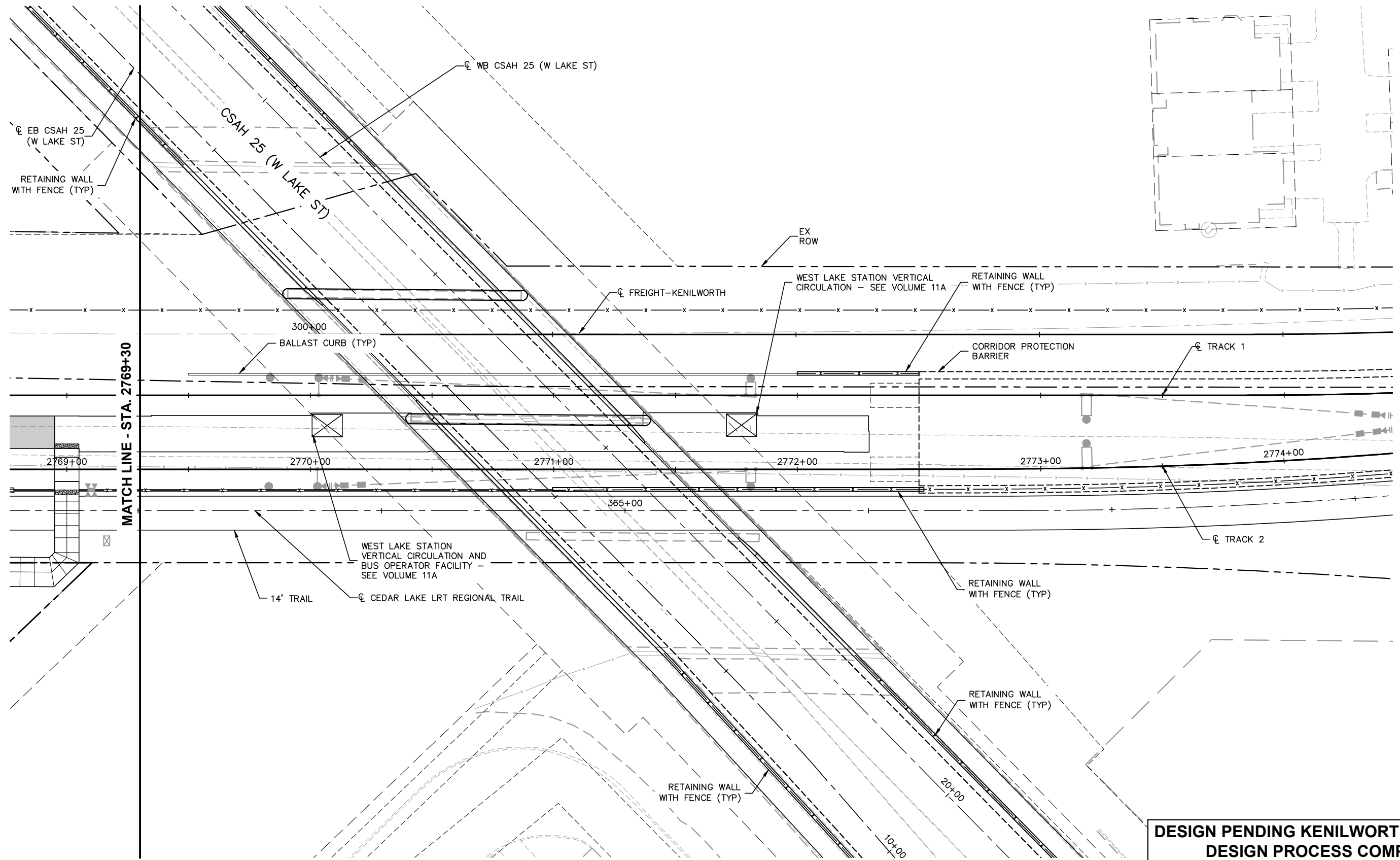
CIVIL EAST - VOLUME 9
WEST LAKE STATION
URBAN DESIGN PLAN 1
STA. 2764+00 TO STA. 2769+30

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E3-URD-PLN - 001

SHEET
30
OF
85

Sep. 21 2015 11:36 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E3-URD-PLN.dwg By: V-MozzeiBR



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

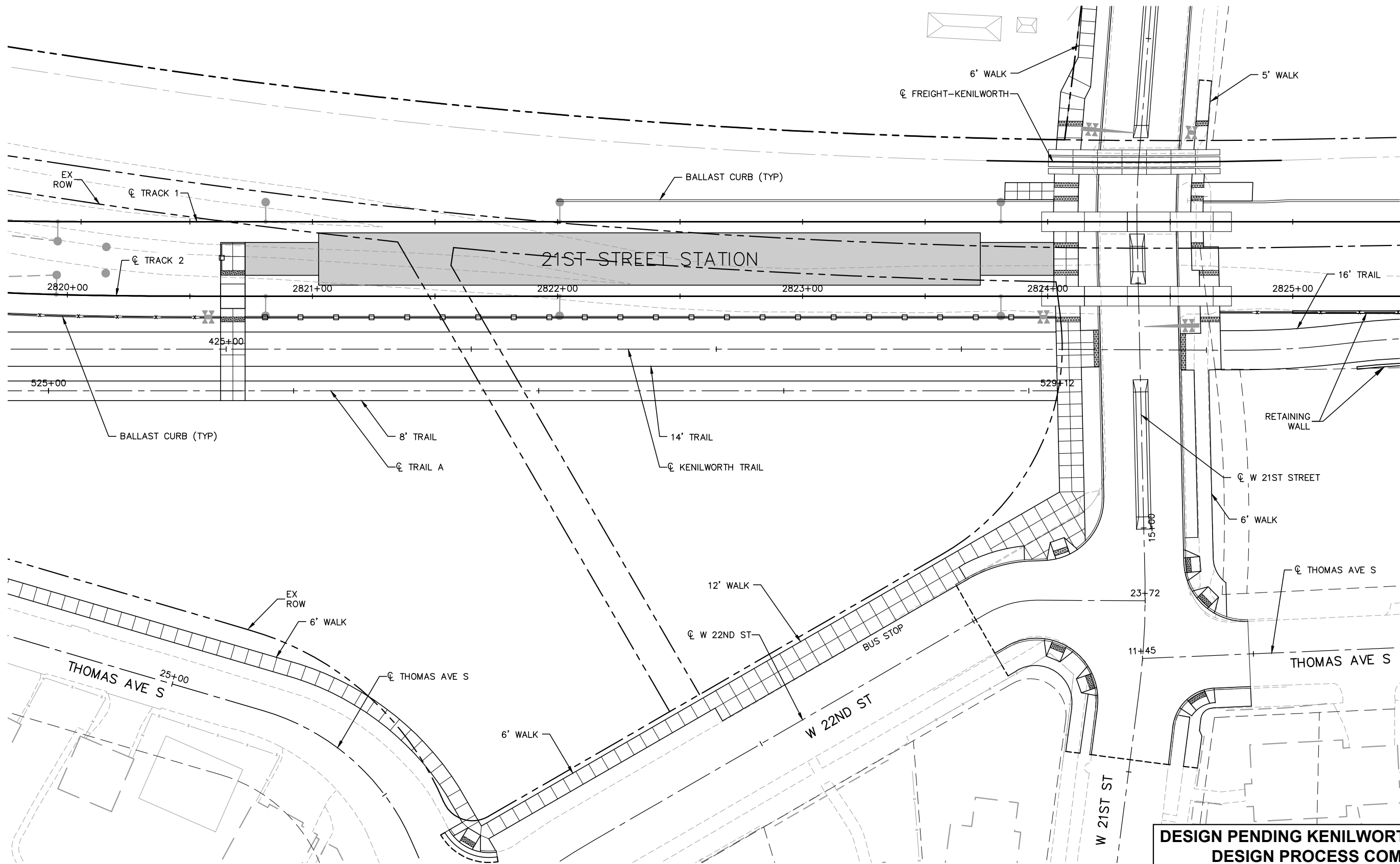
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WEST LAKE STATION
URBAN DESIGN PLAN 2
STA. 2769+30 TO STA. 2774+45

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E3-URD-PLN - 002

SHEET
31
OF
85

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DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line Light Extension

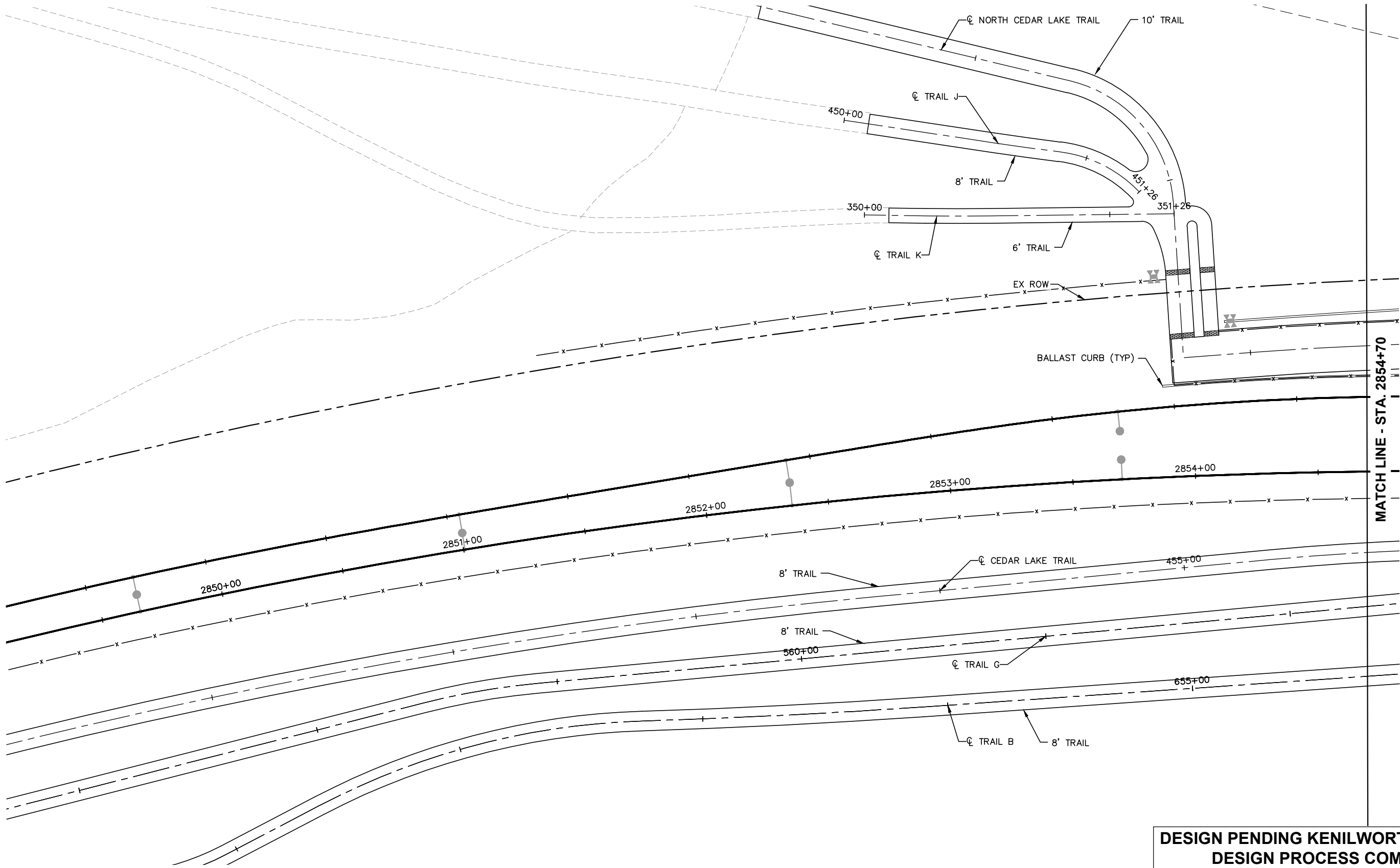
CIVIL EAST - VOLUME 9
21ST STREET STATION
URBAN DESIGN PLAN
STA. 2819+75 TO STA. 2825+40

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E3-URD-PLN - 003

SHEET
32
OF
85

Sep. 21 2015 11:26 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-URD-PLN.dwg By: joseph.starbuck



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



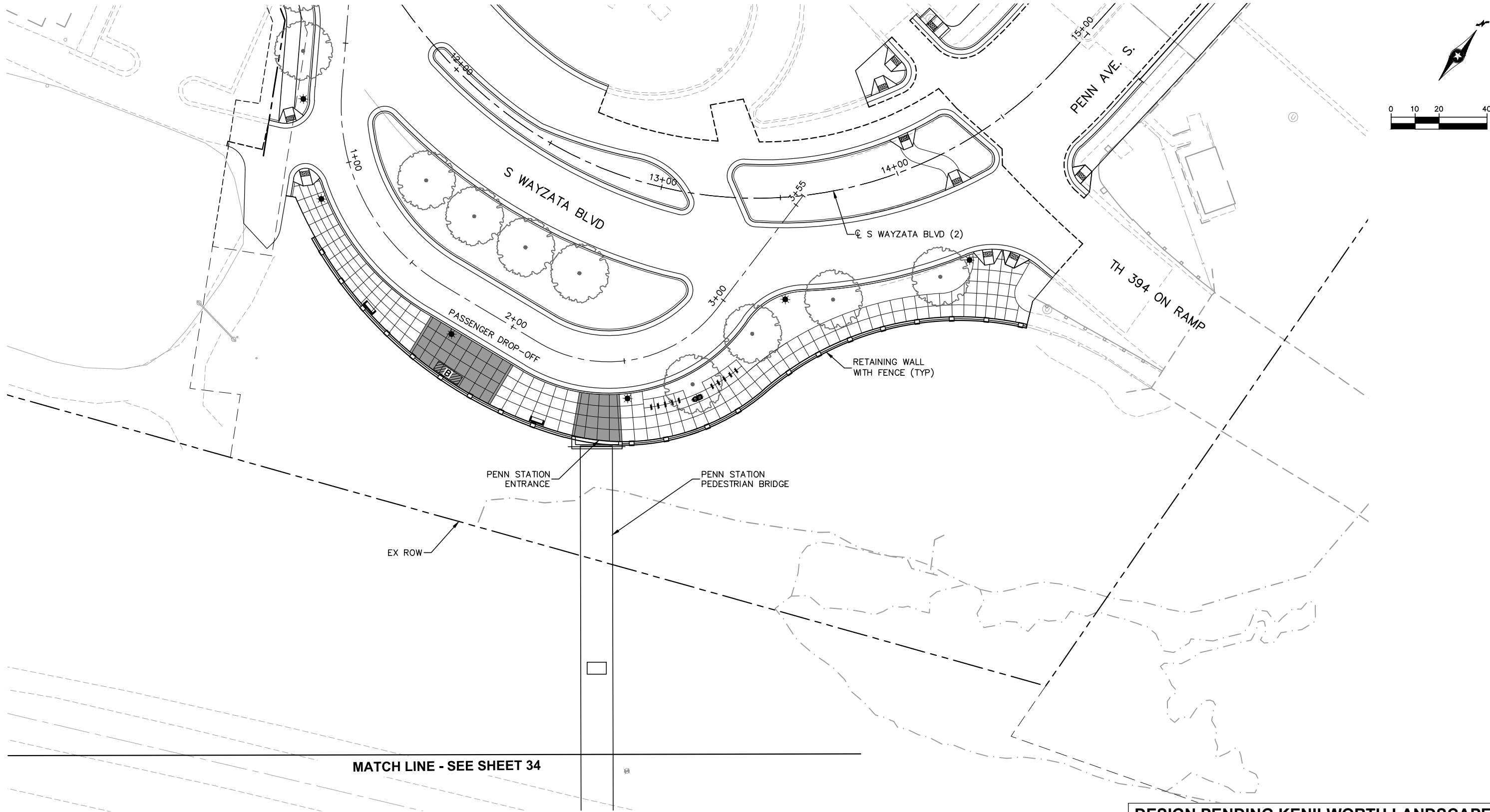
CIVIL EAST - VOLUME 9
PENN STATION
URBAN DESIGN PLAN 1
STA. 2849+10 TO STA. 2854+70

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-URD-PLN - 001

SHEET
33
OF
85

Sep. 21 2015 11:26 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-URD-PLN.dwg By: joseph.starbuck



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



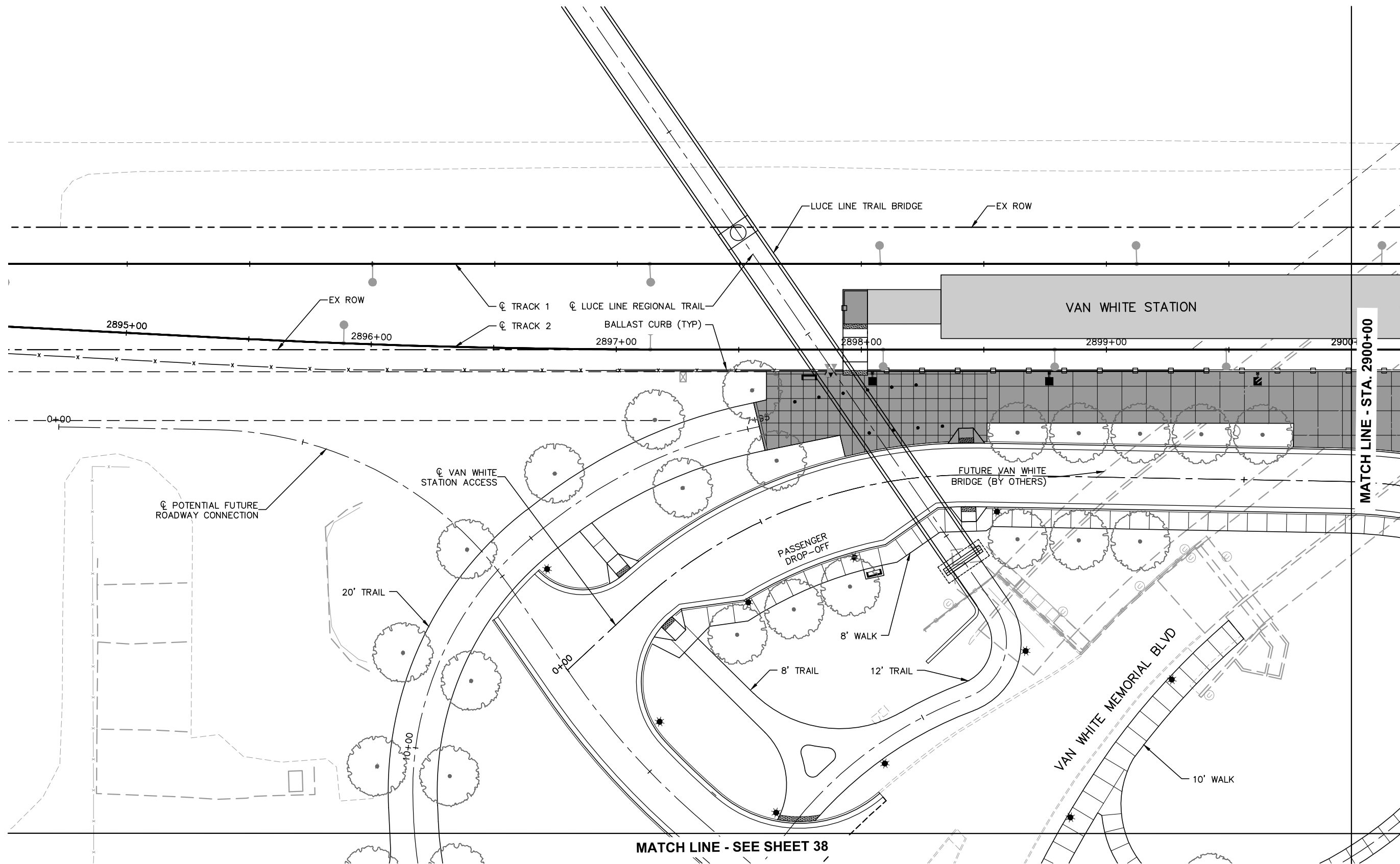
CIVIL EAST - VOLUME 9
PENN STATION
URBAN DESIGN PLAN 3
STA. 0+00 TO STA. 3+55

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-URD-PLN - 003

SHEET
35
OF
85

Sep. 21 2015 11:27 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-URD-PLN.dwg By: joseph.starbuck



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

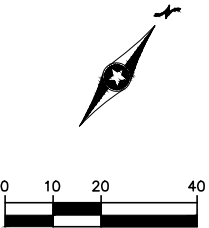
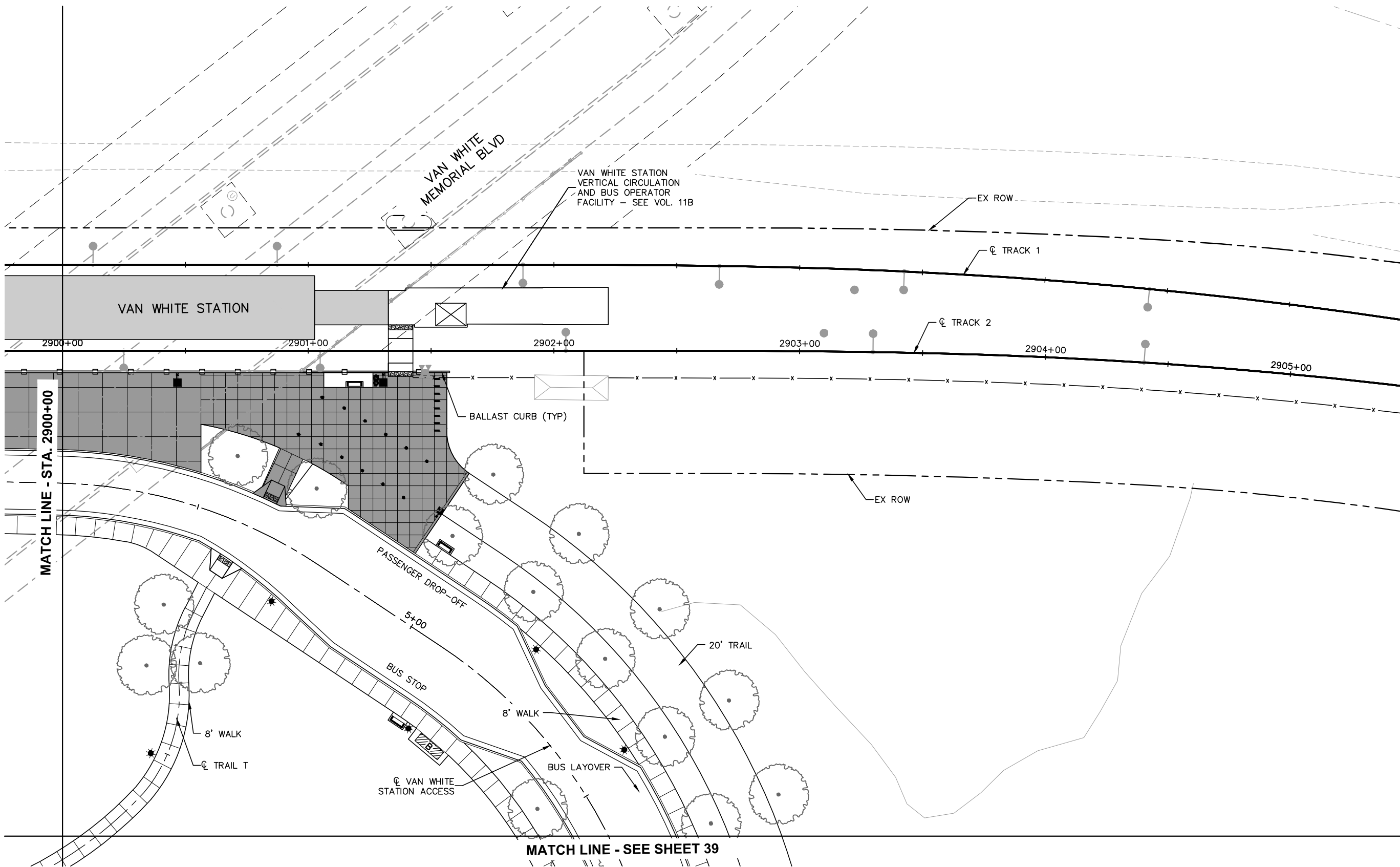
CIVIL EAST - VOLUME 9
VAN WHITE STATION
URBAN DESIGN PLAN 1
STA. 2894+50 TO STA. 2900+00

DISCIPLINE:
LANDSCAPE ARCH

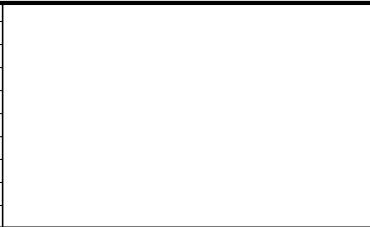
SHEET NAME:
E4-URD-PLN - 004

SHEET
36
OF
85

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



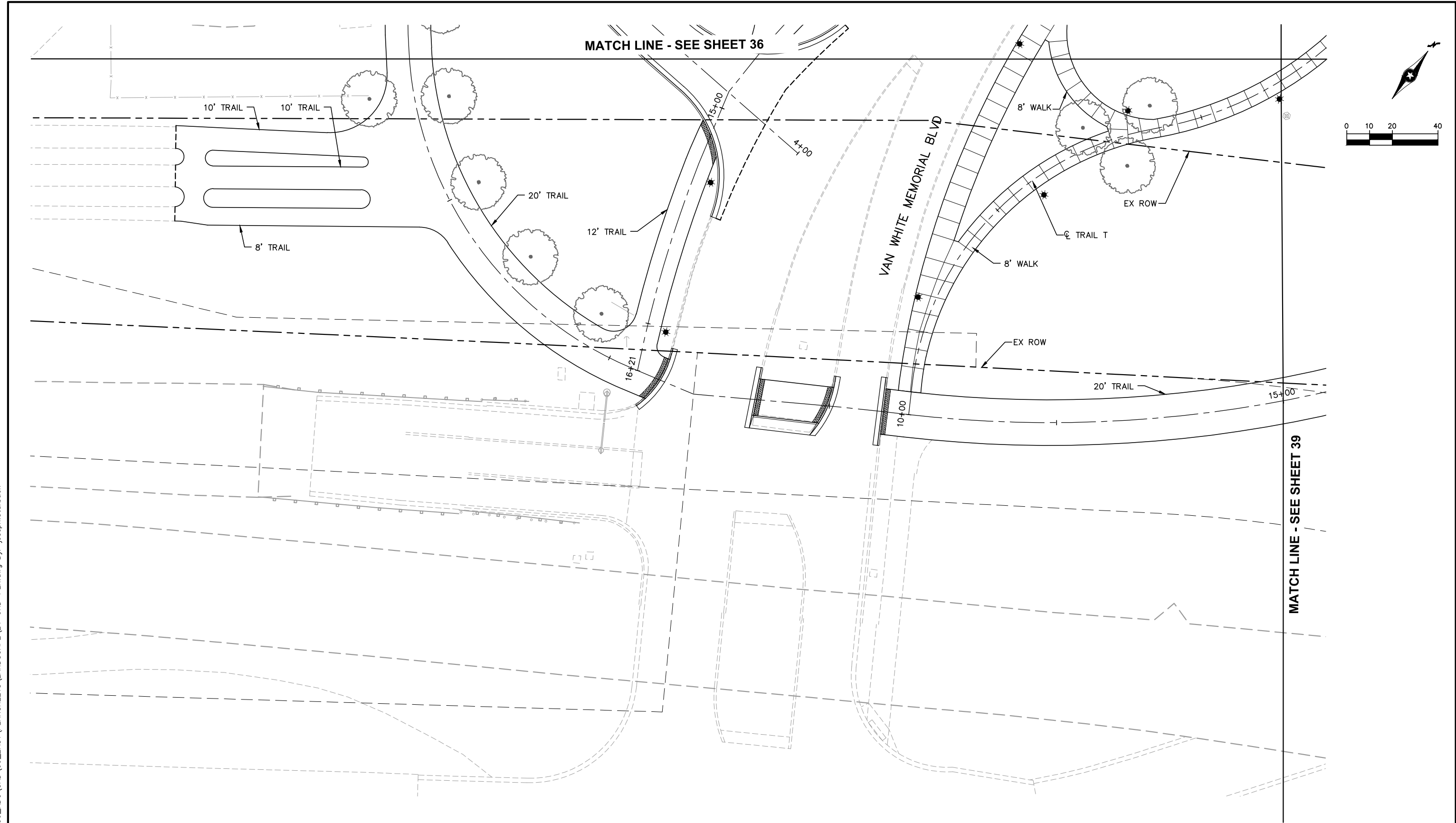
CIVIL EAST - VOLUME 9
VAN WHITE STATION
URBAN DESIGN PLAN 2
STA. 2900+00 TO STA. 2905+45

DISCIPLINE: LANDSCAPE ARCH

SHEET NAME: E4-URD-PLN - 005

SHEET
37
OF
85

Sep. 21 2015 11:27 am V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-URD-PLN.dwg By: joseph.starbuck



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

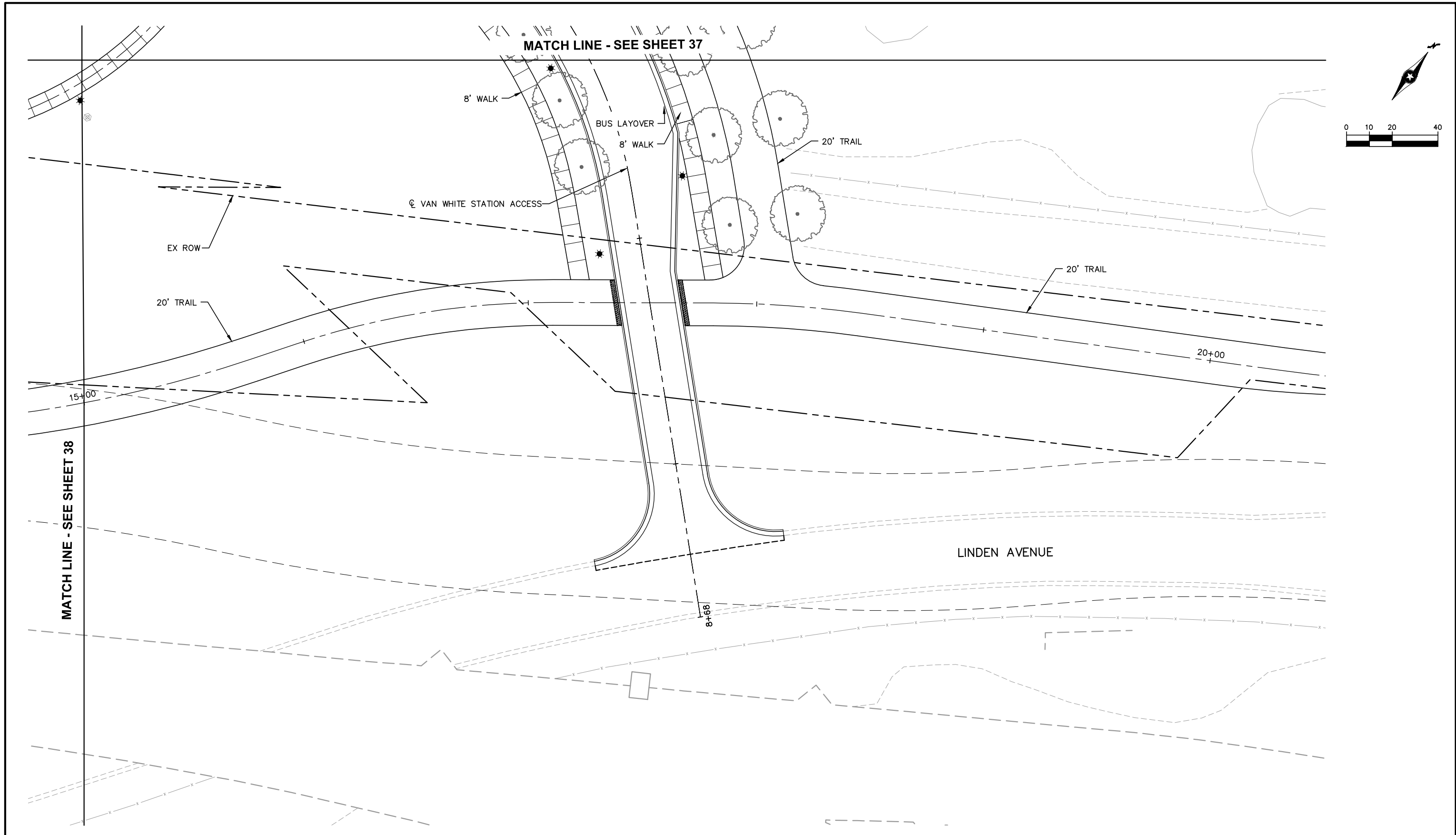
CIVIL EAST - VOLUME 9
VAN WHITE STATION
URBAN DESIGN PLAN 3
STA. 10+35 TO STA. 15+00

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-URD-PLN - 006

SHEET
38
OF
85

Sep. 21 2015 11:27 am V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-URD-PLN.dwg By: joseph.starbuck



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL




60% SUBMISSION - 09/28/15



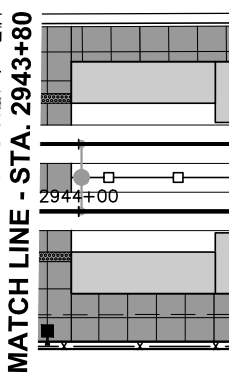
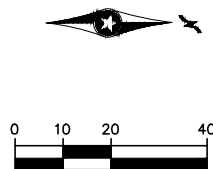
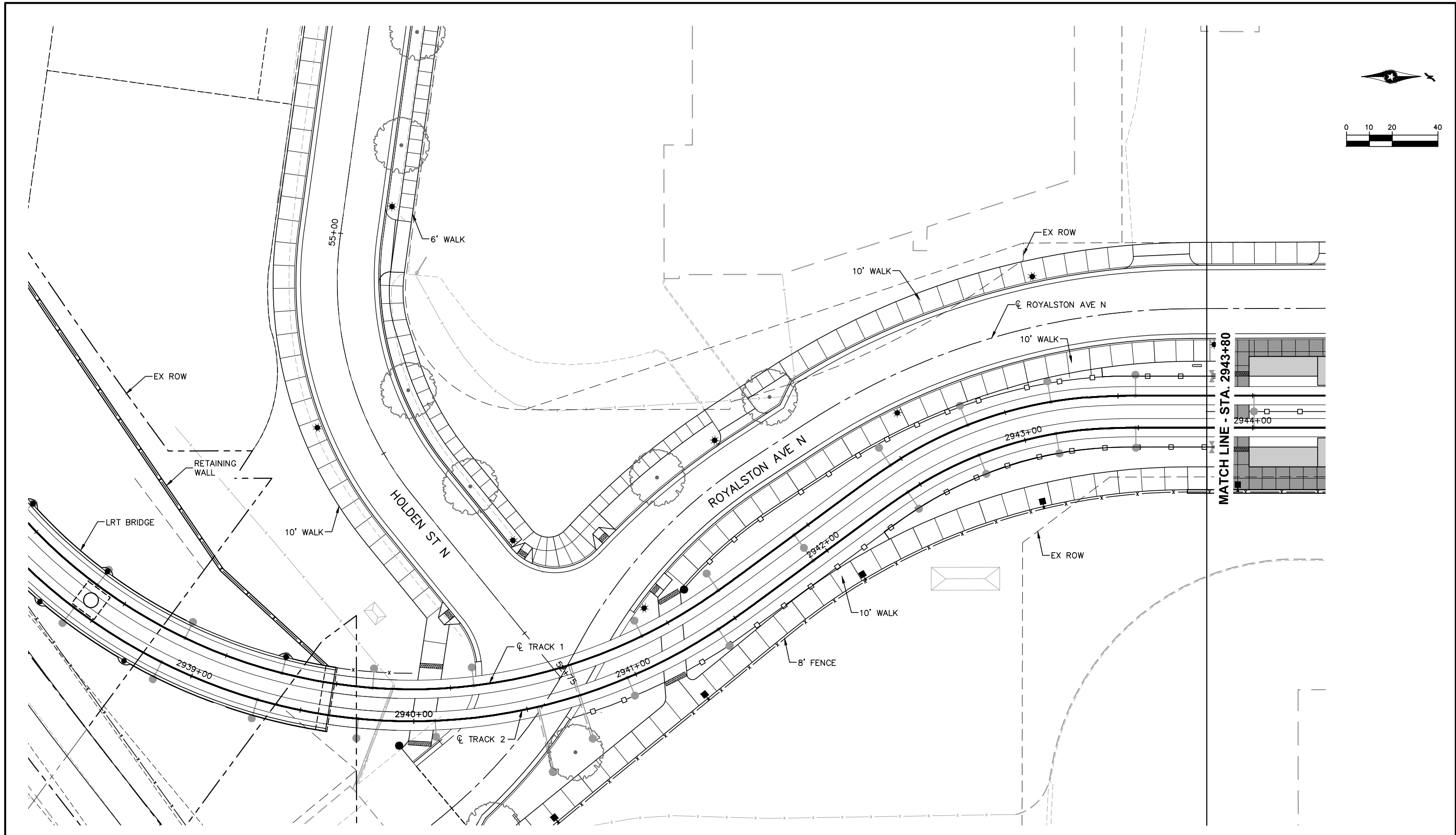
CIVIL EAST - VOLUME 9
VAN WHITE STATION
URBAN DESIGN PLAN 4
STA. 15+00 TO STA. 20+50

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-URD-PLN - 007

SHEET
39
OF
85

Sep. 21 2015 11:27 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-URD-PLN.dwg By: joseph.starbuck



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

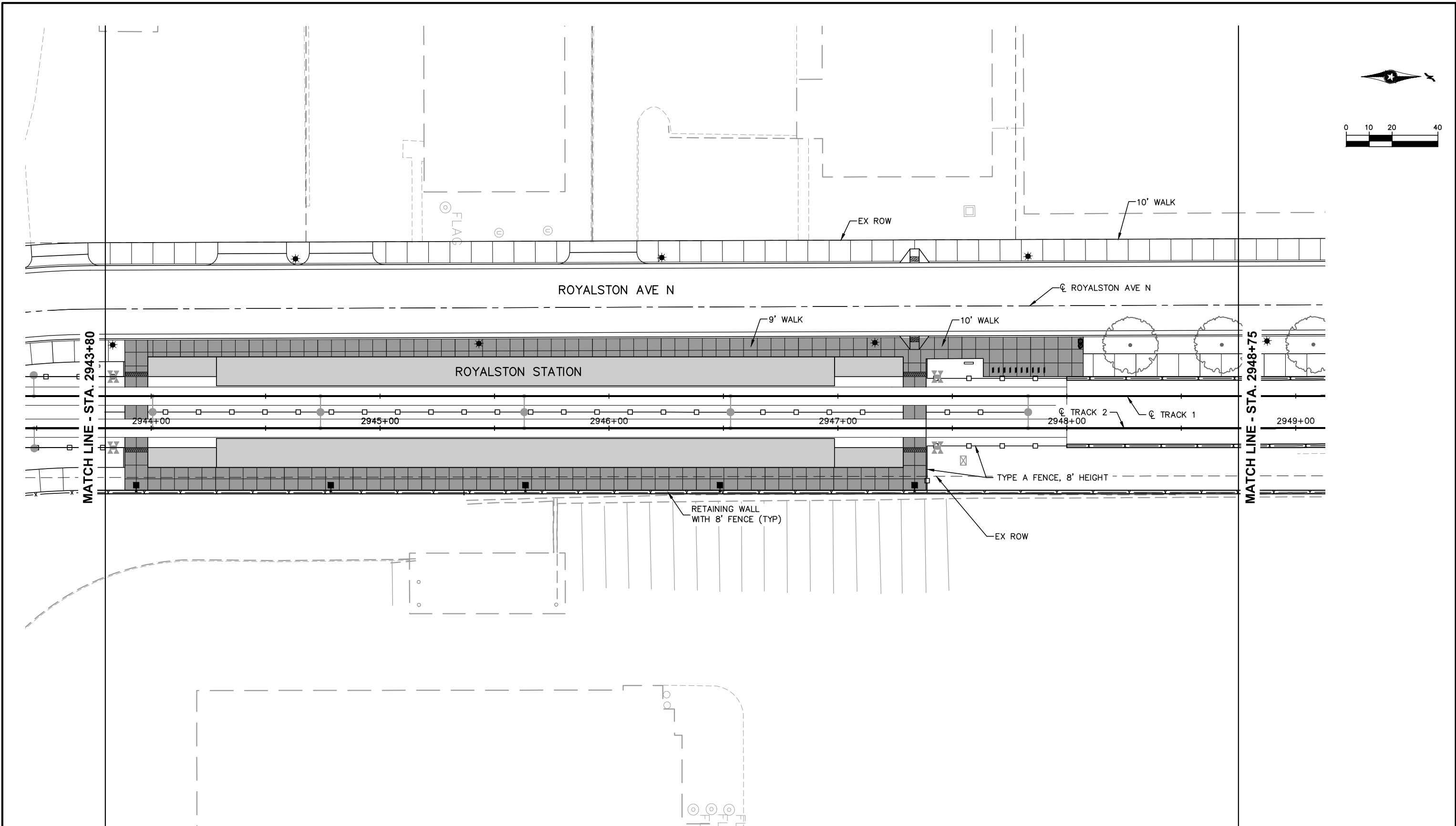
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 9
ROYALSTON STATION
URBAN DESIGN PLAN 1
STA. 2938+15 TO STA. 2943+80

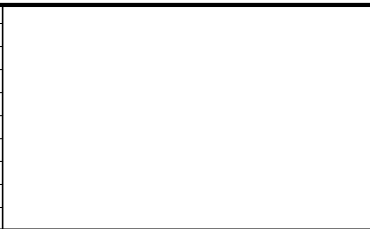
DISCIPLINE: LANDSCAPE ARCH
SHEET NAME: E4-URD-PLN - 008

SHEET
40
OF
85

Sep. 21 2015 11:28 am V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-URD-PLN.dwg By: joseph.starbuck



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
C O U N C I L

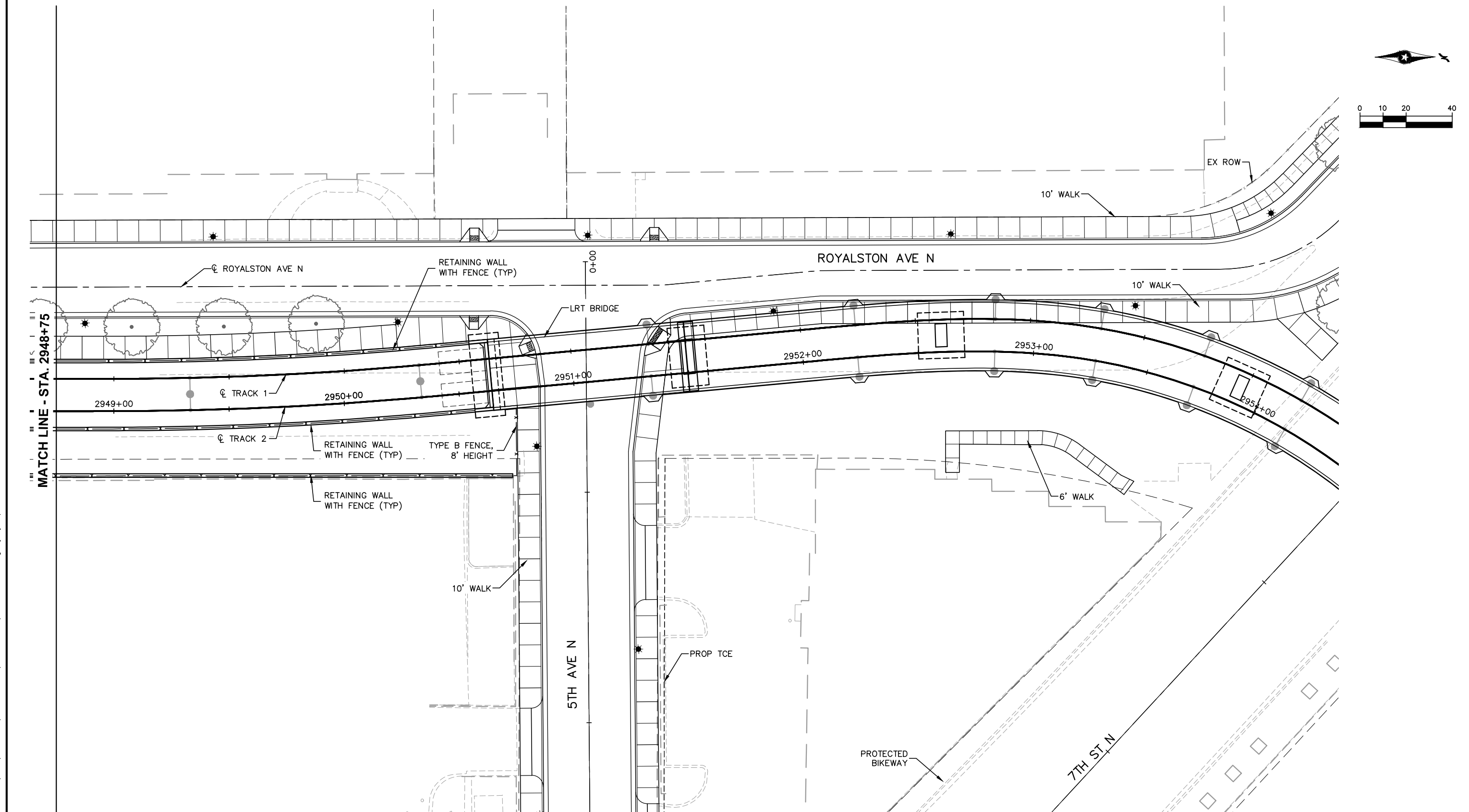
**SOUTHWEST**
Green Line LRT Extension

CIVIL EAST - VOLUME 9
ROYALSTON STATION
URBAN DESIGN PLAN 2
STA. 2943+80 TO STA. 2948+75

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-URD-PLN - 009

SHEET
41
OF
85

[illegible]

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 9
ROYALSTON STATION
URBAN DESIGN PLAN 3
STA. 2948+75 TO STA. 2954+40**

DISCIPLINE: **LANDSCAPE ARCH**

SHEET NAME:	E4-URD-PLN - 010
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SHEET
42
OF
85

Sep. 21 2015 02:06 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E0-LAN-LGD.dwg By: V-MozzeTB

GENERAL LEGEND

	ROADWAY ☒
	TRACK ☒
	CONCRETE CURB AND GUTTER
	RETAINING WALL
	BALLAST CURB
	TUNNEL WALL
	EX ROW
	PROP ROW
	PROP TCE
	PROP PE
	DELINEATED WETLAND
	WATER EDGE
	CROSSWALK
	TRAIL (WIDTH VARIES)
	DRIVEWAY (DESIGN VARIES)
	PEDESTRIAN RAMP (DESIGN VARIES)
	AUTOMATIC GATE
	PEDESTRIAN FLASHER
	OCS POLE
	TPSS BUILDING (TPSS-SW###)
	SIGNAL OR INTERMEDIATE OR PLATFORM OR XING OR TUNNEL HOUSE OR ANY COMBINATION OF THESE
	FENCE
	BUS SHELTER
	ROADWAY/PEDESTRIAN LIGHT

LANDSCAPE LEGEND

	OVERSTORY DECIDUOUS TREE
	OVERSTORY DECIDUOUS TREE IN TREE GRATE
	ORNAMENTAL DECIDUOUS TREE
	CONIFEROUS TREE
	SHRUBS AND PERENNIALS
	SOD
	SEED TYPE 1 – TURF SEED
	SEED TYPE 2 – NATIVE SEED
	SEED TYPE 3 – BMP
	SEED TYPE 4 – WETLAND RESTORATION

GENERAL NOTES

1. EXISTING TURF AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED WITH SOD OR SEEDED. CIVIL DRAWINGS ILLUSTRATE A TEMPORARY CONSTRUCTION EASEMENT (TCE), WHICH IDENTIFIES THE LIMITS OF CONSTRUCTION ACTIVITIES; HOWEVER, LIMITS OF ACTUAL DISTURBANCE THAT WOULD REQUIRE SOD OR SEED INSTALLATION MAY NOT COINCIDE WITH THE TCE.
2. ALL EXISTING VEGETATION WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED. PROTECT EXISTING VEGETATION NOTED TO REMAIN INCLUDING TREES, SHRUBS, & OTHER PLANTINGS.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



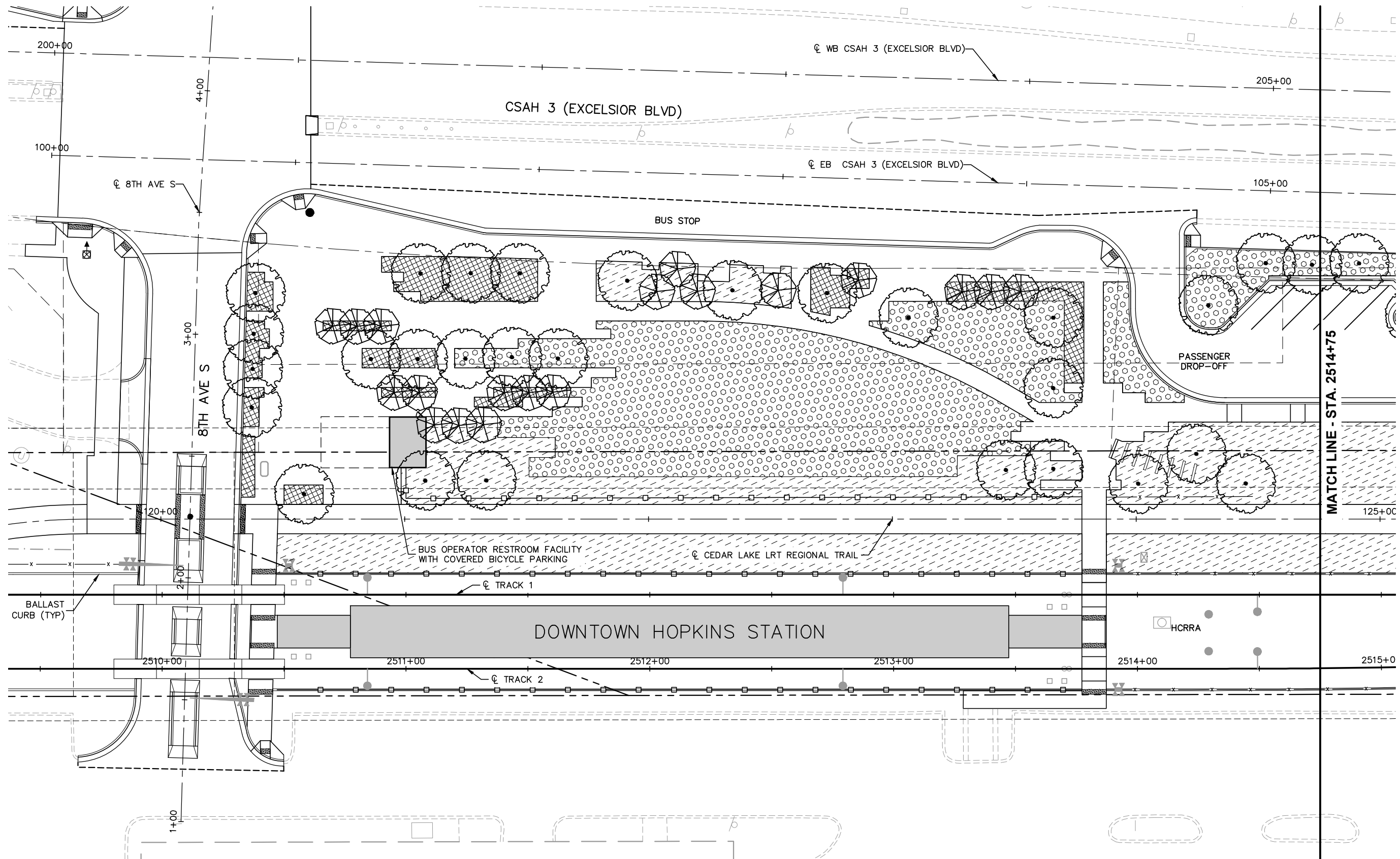
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 9
LANDSCAPE
NOTES, ABBREVIATIONS, & SYMBOLS

DISCIPLINE: LANDSCAPE ARCH

SHEET NAME: E0-LAN-LGD - 001

Sep. 21 2015 03:05 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E1-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



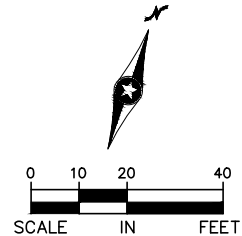
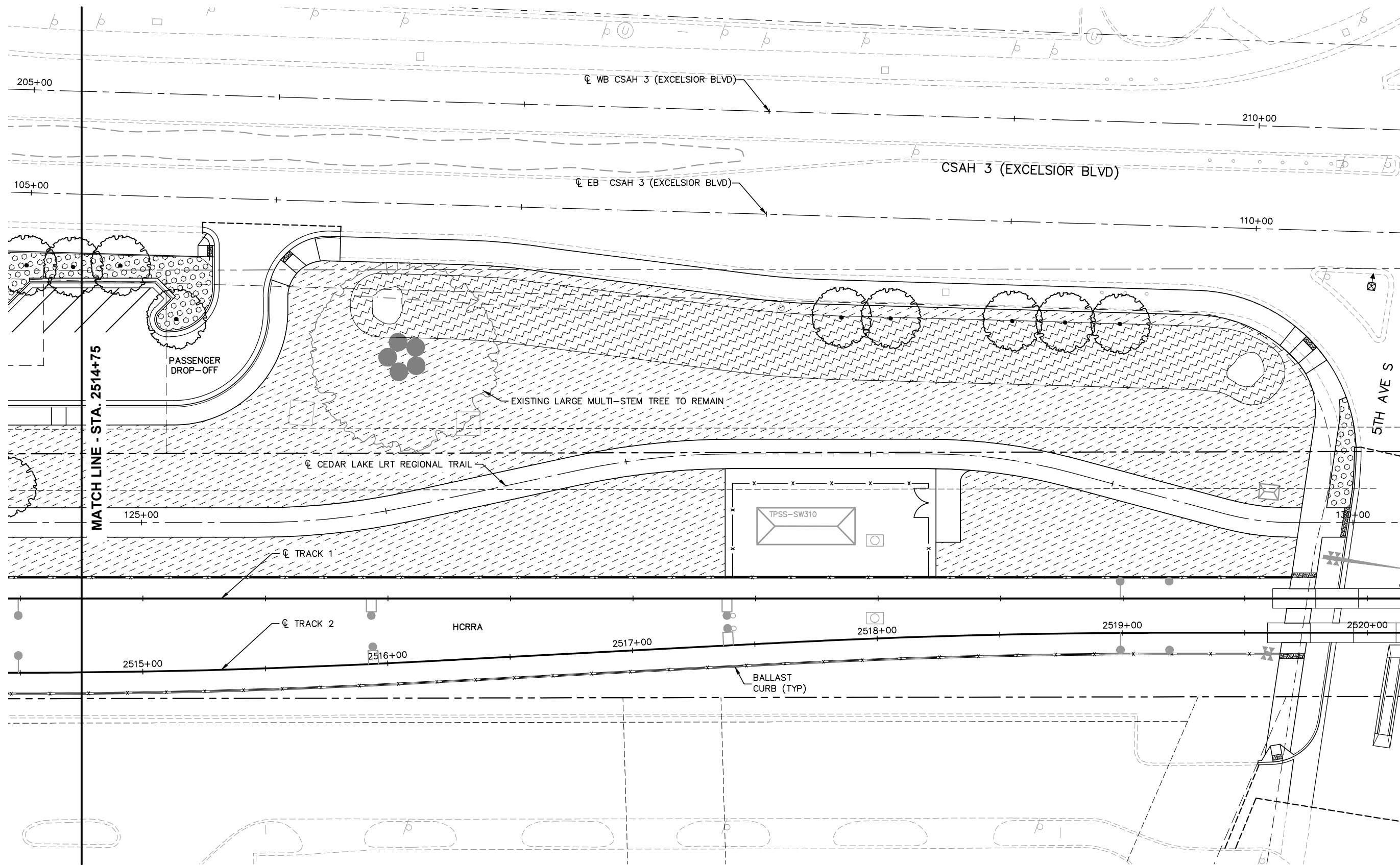
CIVIL EAST - VOLUME 9
DOWNTOWN HOPKINS STATION
LANDSCAPE PLAN 1
STA. 2509+50 TO STA. 2514+75

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E1-LAN-PLN - 001

SHEET
44
OF
85

Sep. 21 2015 04:44 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E1-LAN-PLN.dwg By: alex.milanowski

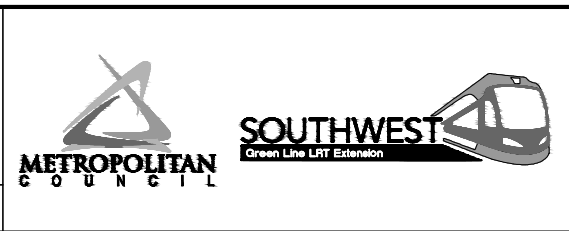


NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley-Horn

60% SUBMISSION - 09/28/15



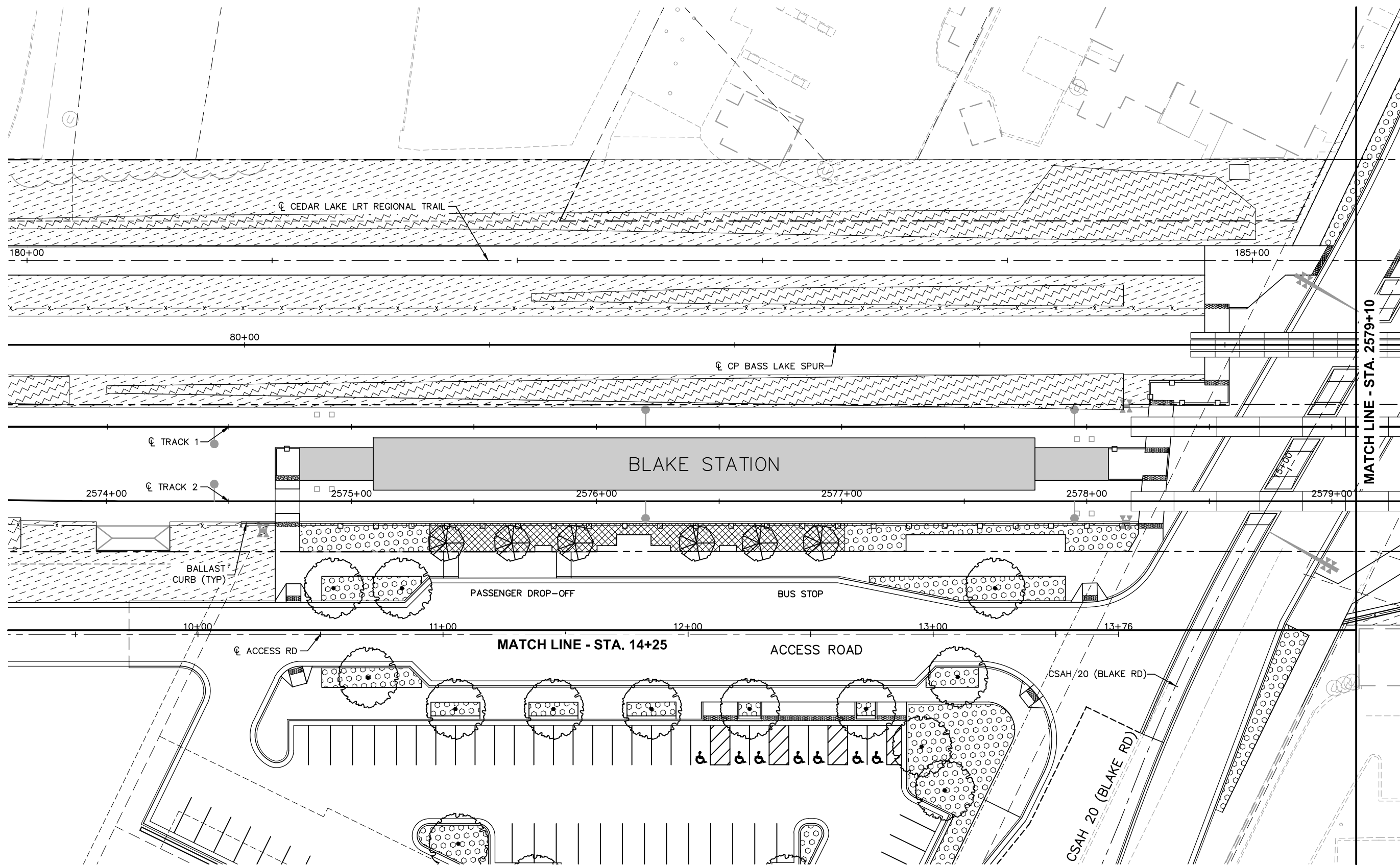
CIVIL EAST - VOLUME 9
DOWNTOWN HOPKINS STATION
LANDSCAPE PLAN 2
STA. 2514+75 TO 2520+00

DISCIPLINE: **LANDSCAPE ARCH**

SHEET NAME: **E1-LAN-PLN - 002**

SHEET
45
OF
85

Sep. 21 2015 03:07 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E1-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



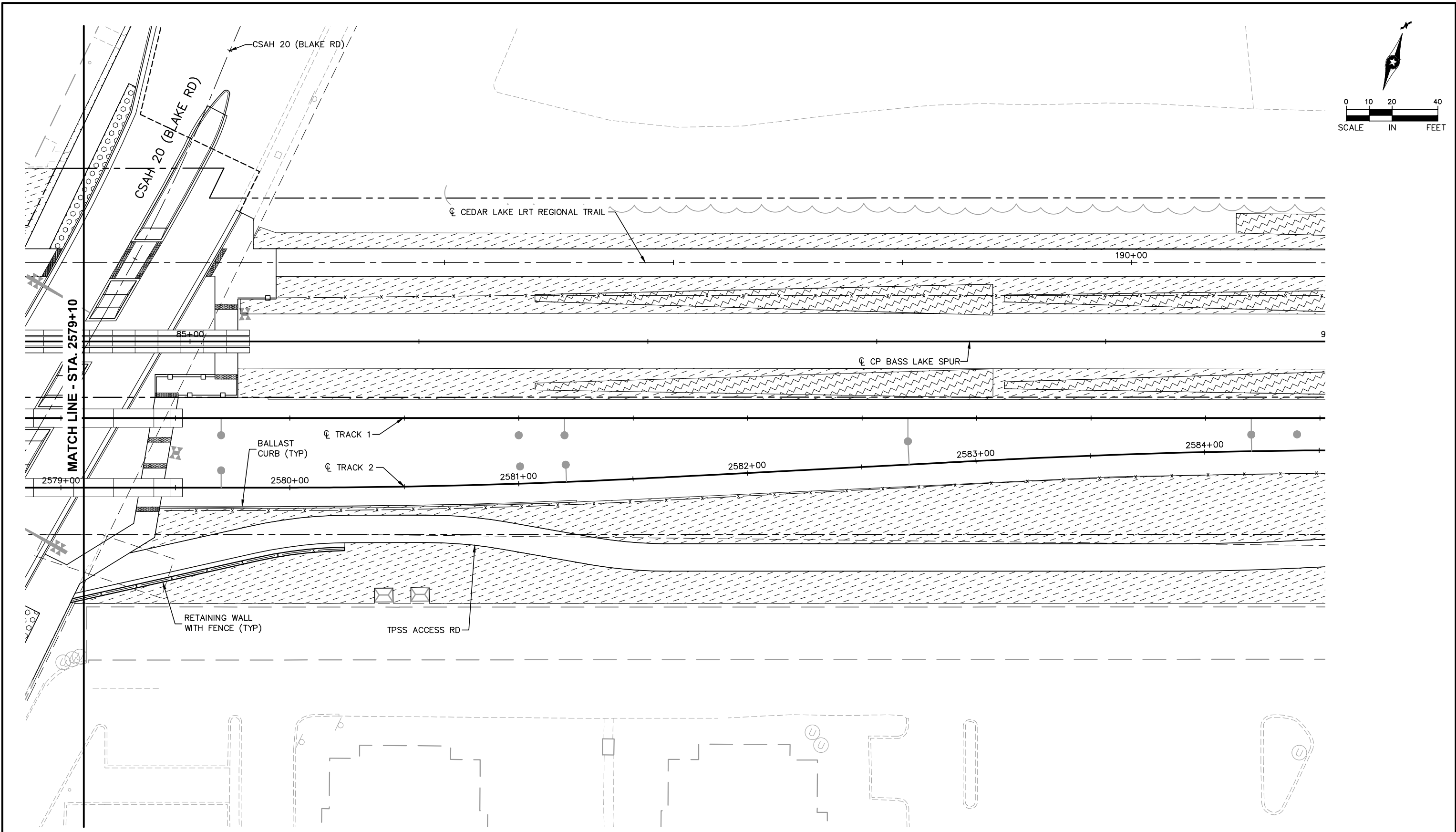
CIVIL EAST - VOLUME 9
BLAKE STATION
LANDSCAPE PLAN 1
STA. 2573+60 TO STA. 2579+10

DISCIPLINE:
LANDSCAPE ARCH

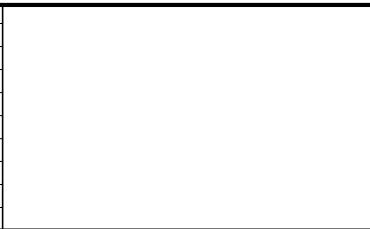
SHEET NAME:
E1-LAN-PLN - 003

SHEET
46
OF
85

Sep. 21 2015 03:08 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E1-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
C O U N C I L

**SOUTHWEST**
Green Line LRT Extension

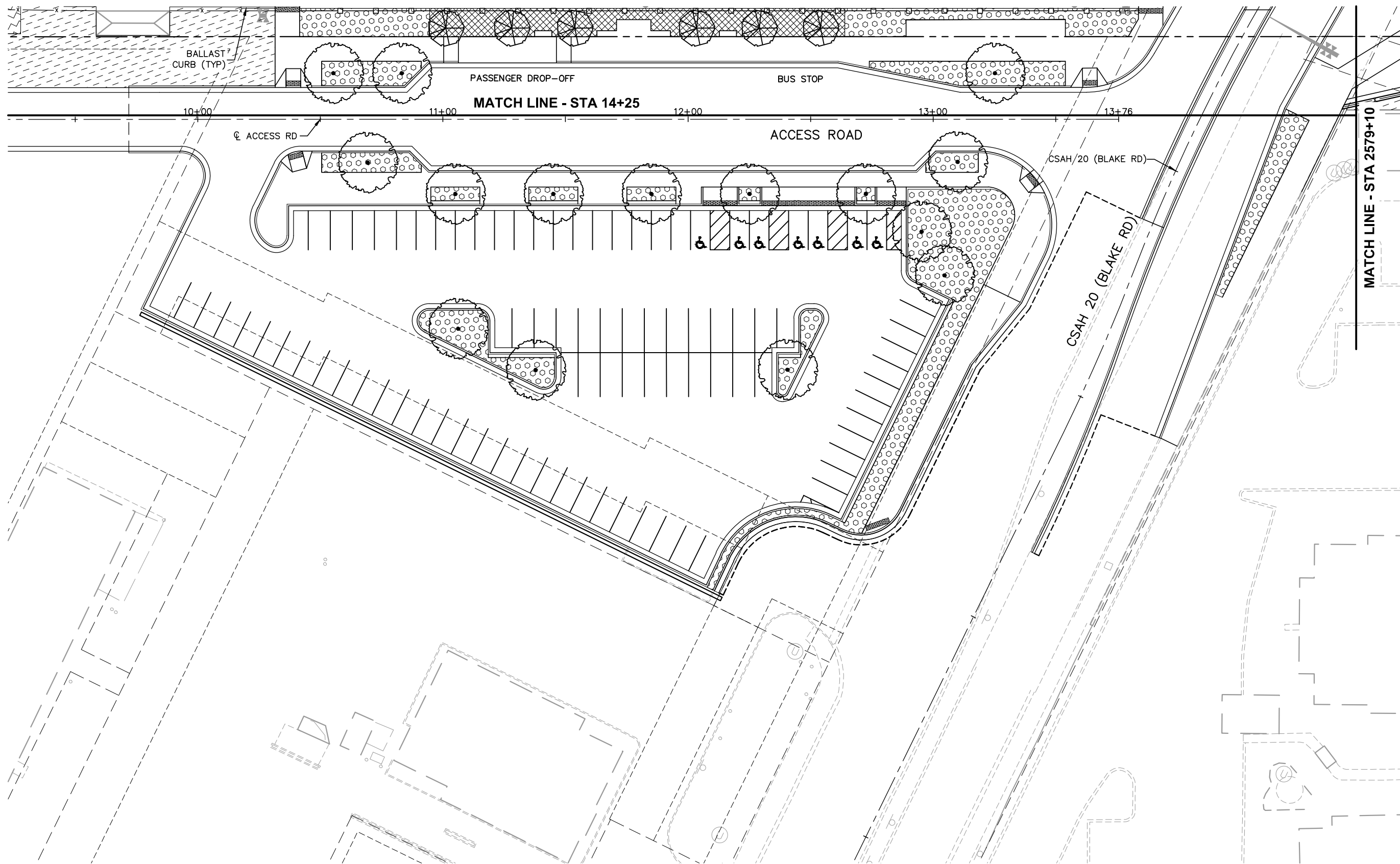
CIVIL EAST - VOLUME 9
BLAKE STATION
LANDSCAPE PLAN 2
STA. 2579+10 TO STA. 2584+50

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E1-LAN-PLN - 004

SHEET
47
OF
85

Sep. 21 2015 03:09 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E1-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

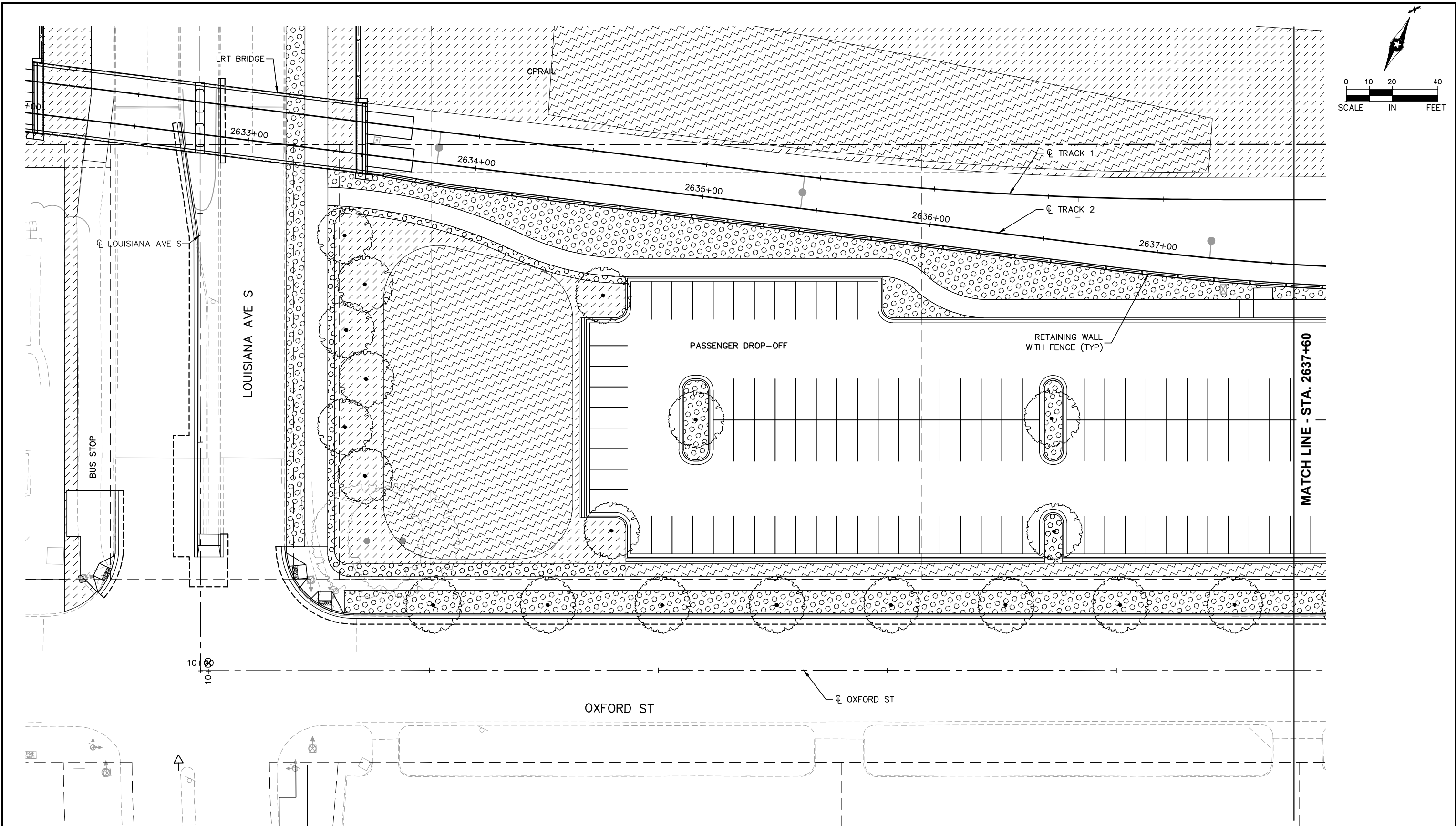
CIVIL EAST - VOLUME 9
BLAKE STATION
LANDSCAPE PLAN 3
STA. 11+00 TO STA. 14+25

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E1-LAN-PLN - 005

SHEET
48
OF
85

Sep. 21 2015 03:09 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley-Horn

60% SUBMISSION - 09/28/15



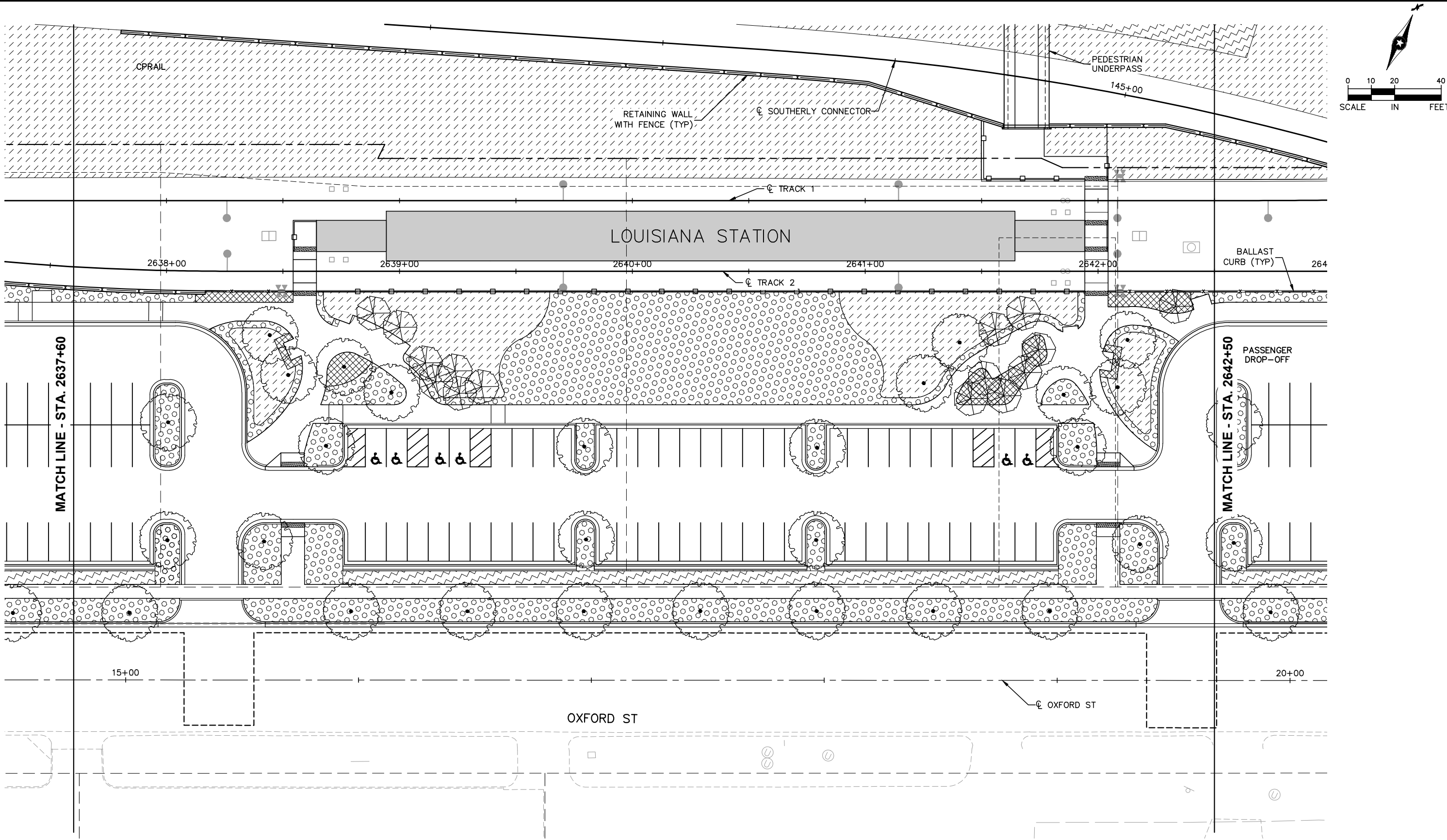
CIVIL EAST - VOLUME 9
LOUISIANA STATION
LANDSCAPE PLAN 1
STA. 2632+00 TO STA. 2637+60

DISCIPLINE: **LANDSCAPE ARCH**

SHEET NAME: **E2-LAN-PLN - 001**

SHEET
49
OF
85

Sep. 21 2015 03:09 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

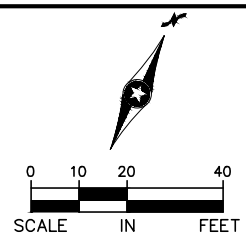
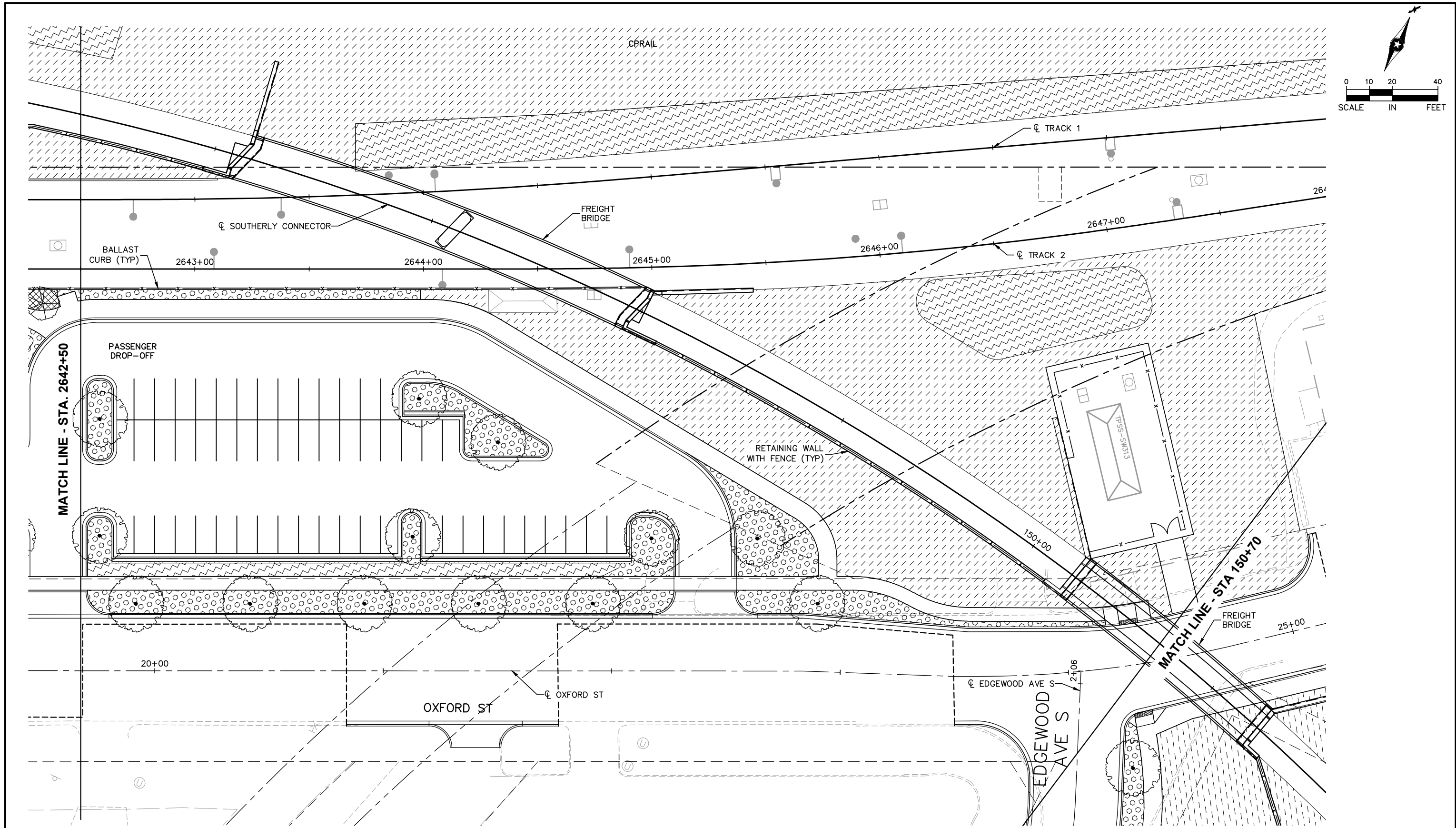
CIVIL EAST - VOLUME 9
LOUISIANA STATION
LANDSCAPE PLAN 2
STA. 2637+60 TO STA. 2642+50

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-LAN-PLN - 002

SHEET
50
OF
85

Sep. 21 2015 04:44 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanoski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	AECOM Kimley»Horn 60% SUBMISSION - 09/28/15 METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension	CIVIL EAST - VOLUME 9 LOUISIANA STATION LANDSCAPE PLAN 3 STA. 2642+50 TO 2647+97		SHEET
								51	OF
									85
						DISCIPLINE: LANDSCAPE ARCH	SHEET NAME: E2-LAN-PLN - 003		

Sep. 21 2015 03:10 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski

MATCH LINE - STA. 150+70



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



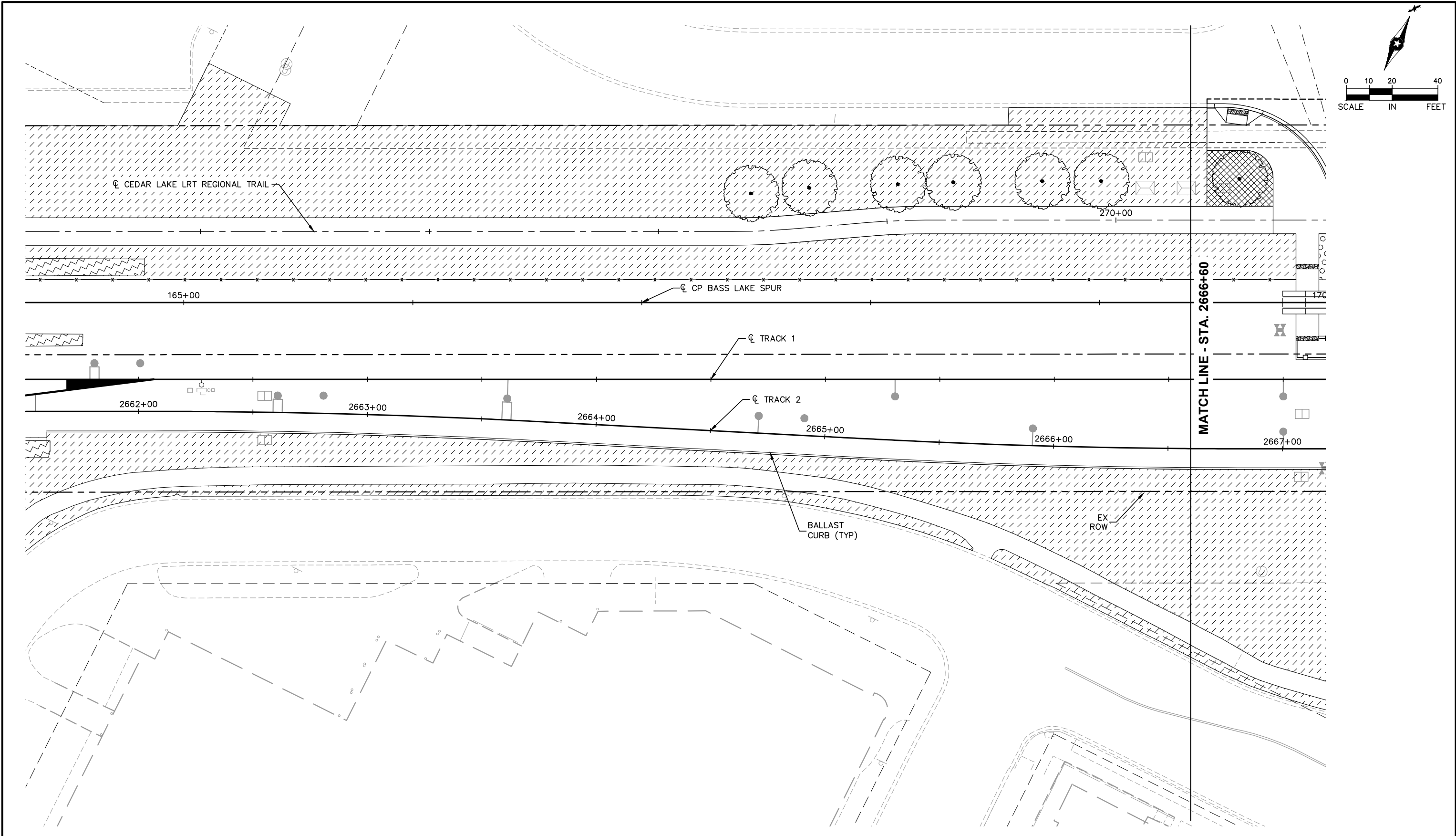
CIVIL EAST - VOLUME 9
LOUISIANA STATION
LANDSCAPE PLAN 4
STA. 150+70 TO 154+30

DISCIPLINE:
LANDSCAPE ARCH

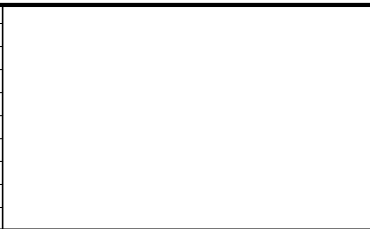
SHEET NAME:
E2-LAN-PLN - 004

SHEET
52
OF
85

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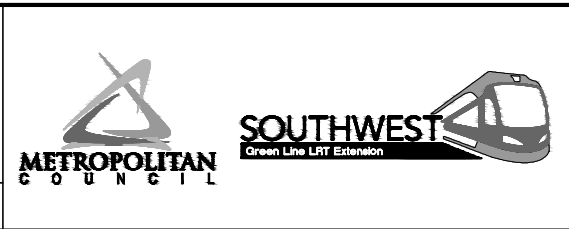


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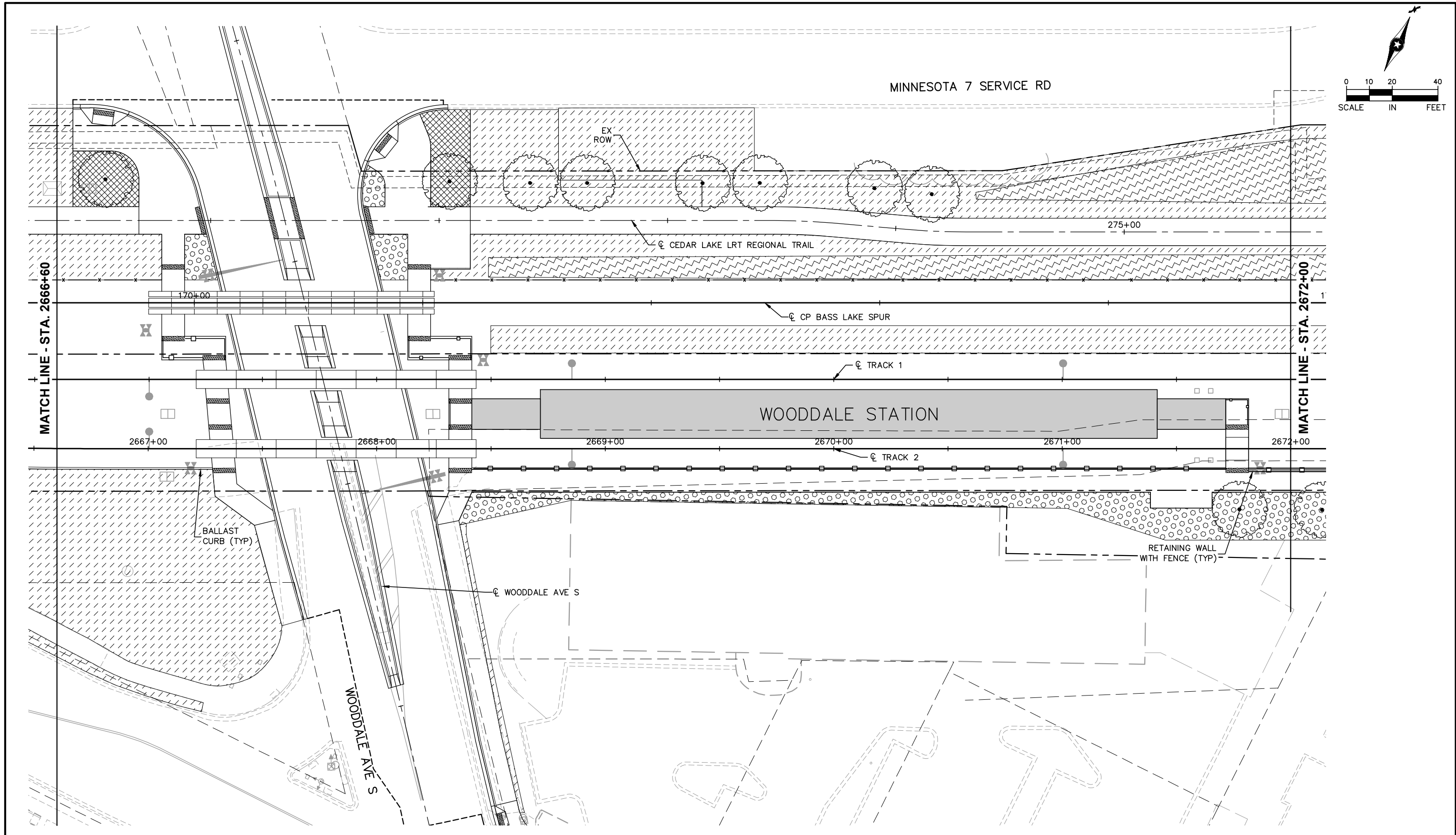
AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 9 WOODDALE STATION LANDSCAPE PLAN 1 STA. 2661+50 TO STA. 2666+60		SHEET 53 OF 85
DISCIPLINE: LANDSCAPE ARCH	SHEET NAME: E2-LAN-PLN - 005	

Sep. 21 2015 03:11 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



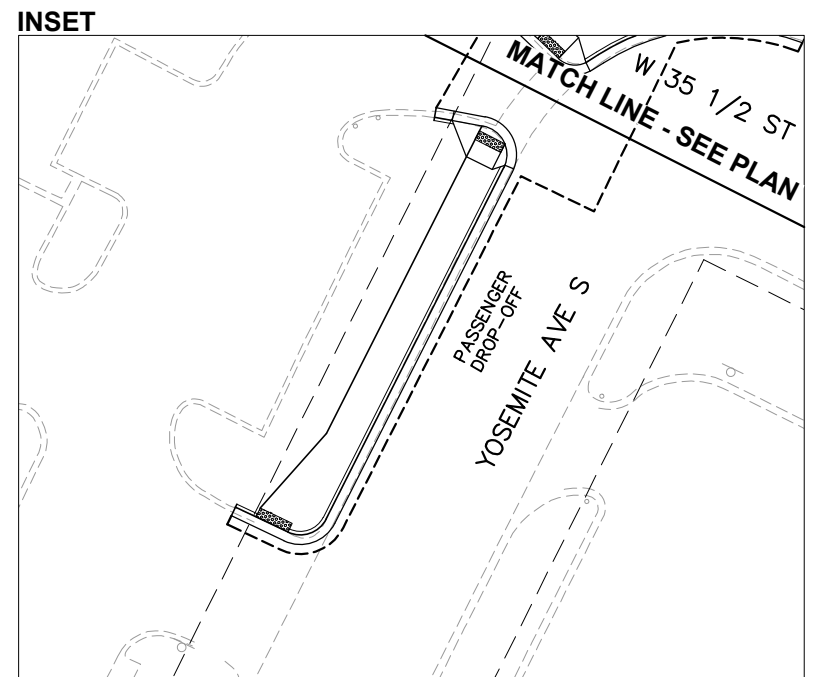
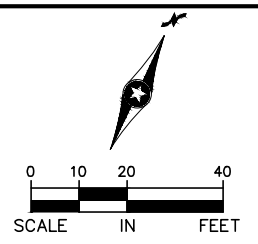
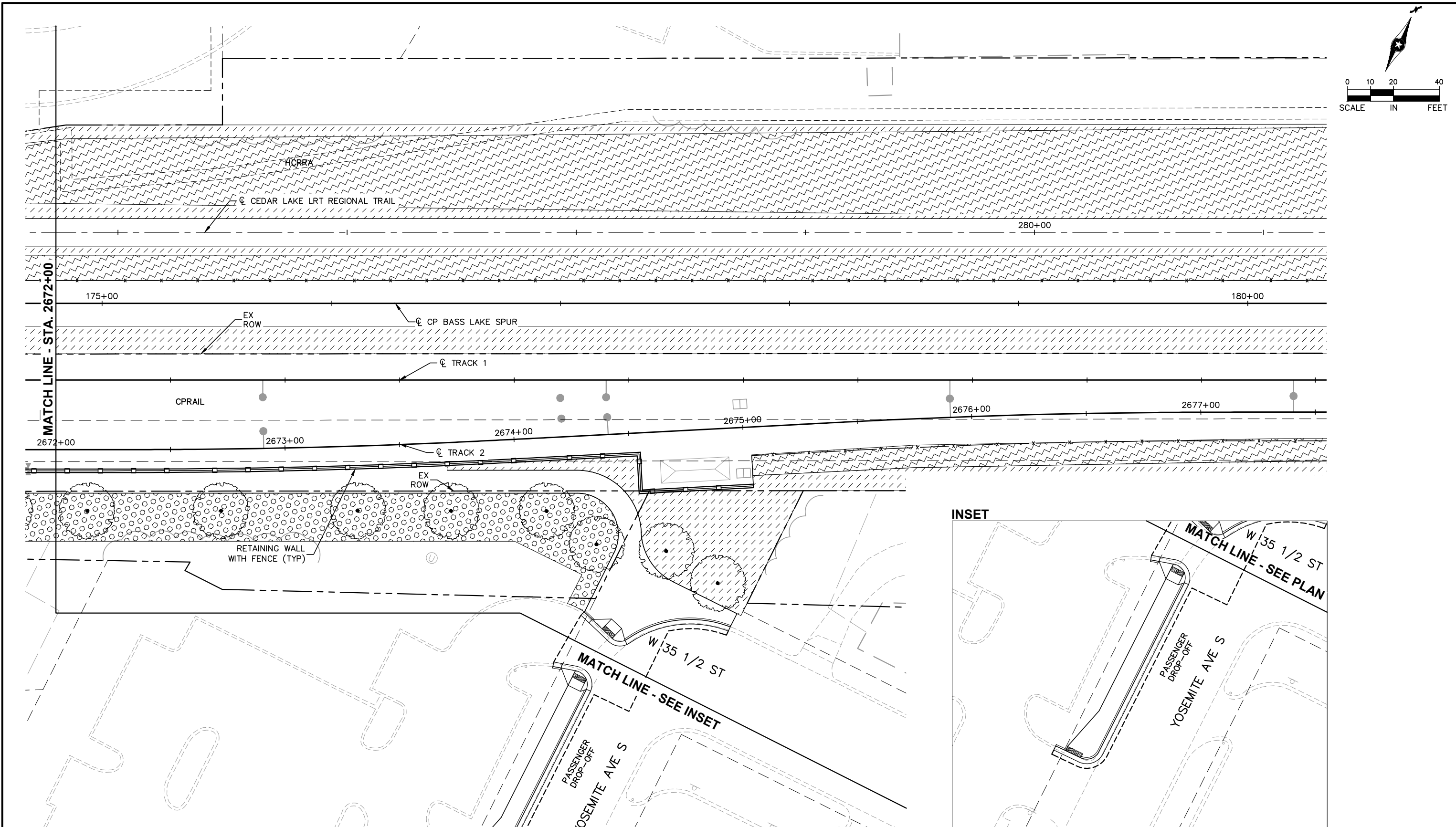
AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 9 WOODDALE STATION LANDSCAPE PLAN 2 STA. 2666+60 TO 2672+00		SHEET 54 OF 85
DISCIPLINE: LANDSCAPE ARCH	SHEET NAME: E2-LAN-PLN - 006	

Sep. 21 2015 03:12 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley-Horn

60% SUBMISSION - 09/28/15



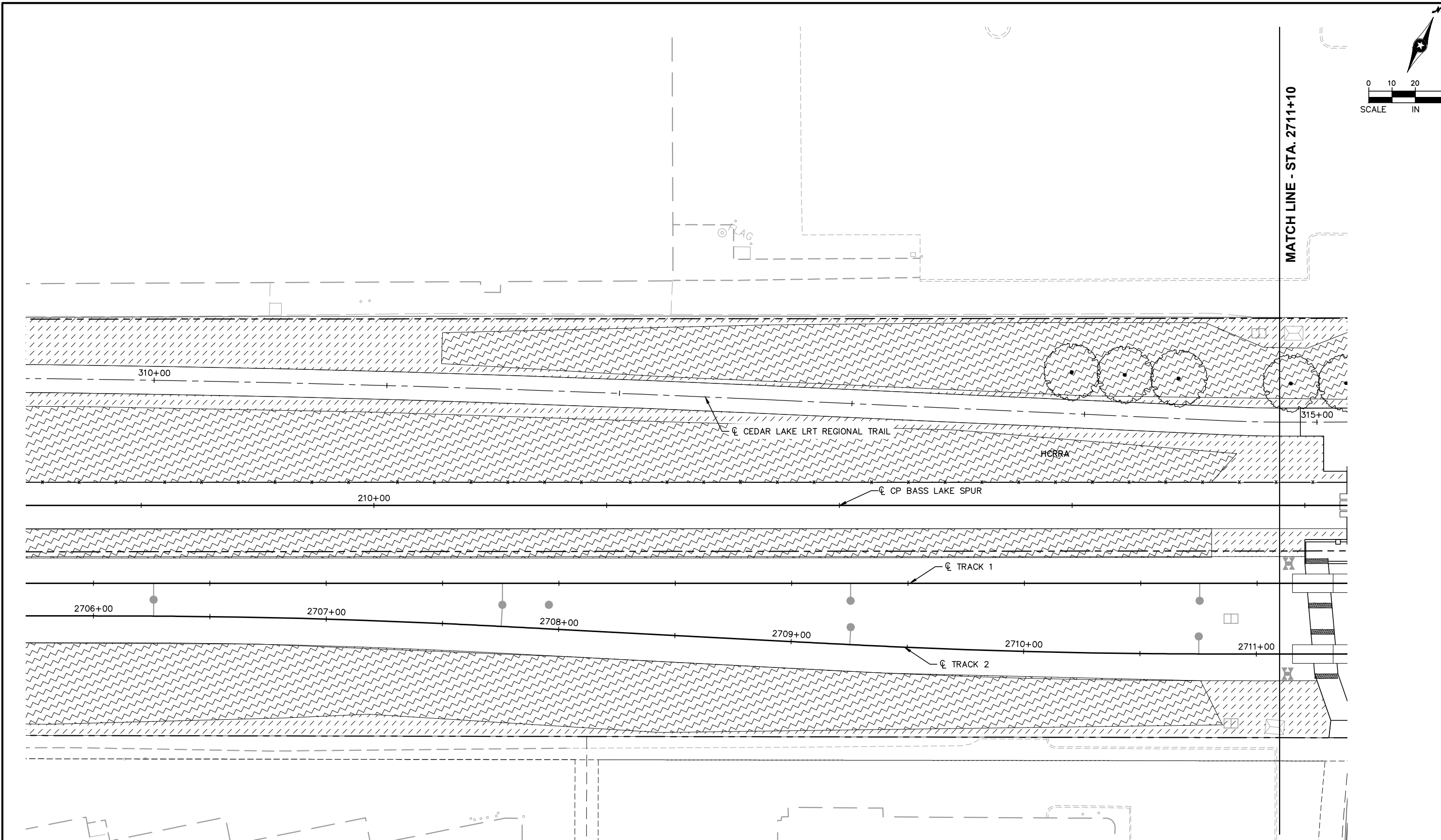
CIVIL EAST - VOLUME 9
WOODDALE STATION
LANDSCAPE PLAN 3
STA. 2672+00 TO STA. 2677+55

DISCIPLINE: **LANDSCAPE ARCH**

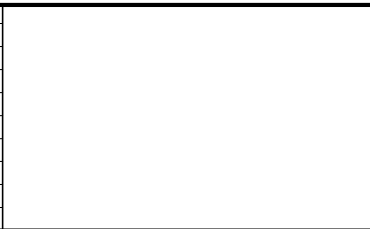
SHEET NAME: **E2-LAN-PLN - 007**

SHEET
55
OF
85

Sep. 21 2015 03:12 pm V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

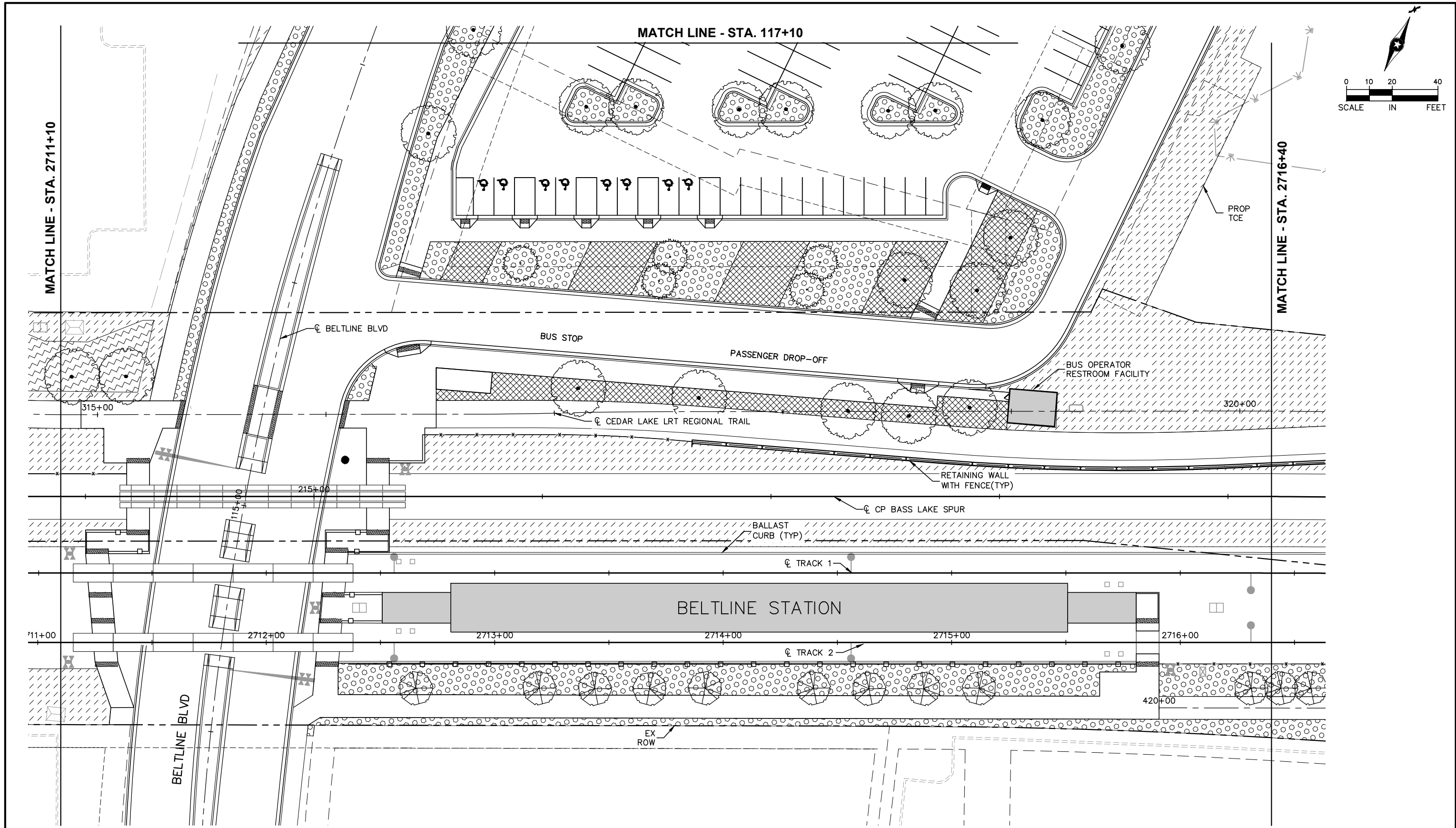
CIVIL EAST - VOLUME 9
BELTLINE STATION
LANDSCAPE PLAN 1
STA. 2705+75 TO STA. 2711+10

DISCIPLINE: LANDSCAPE ARCH

SHEET NAME: E2-LAN-PLN - 008

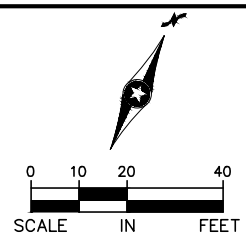
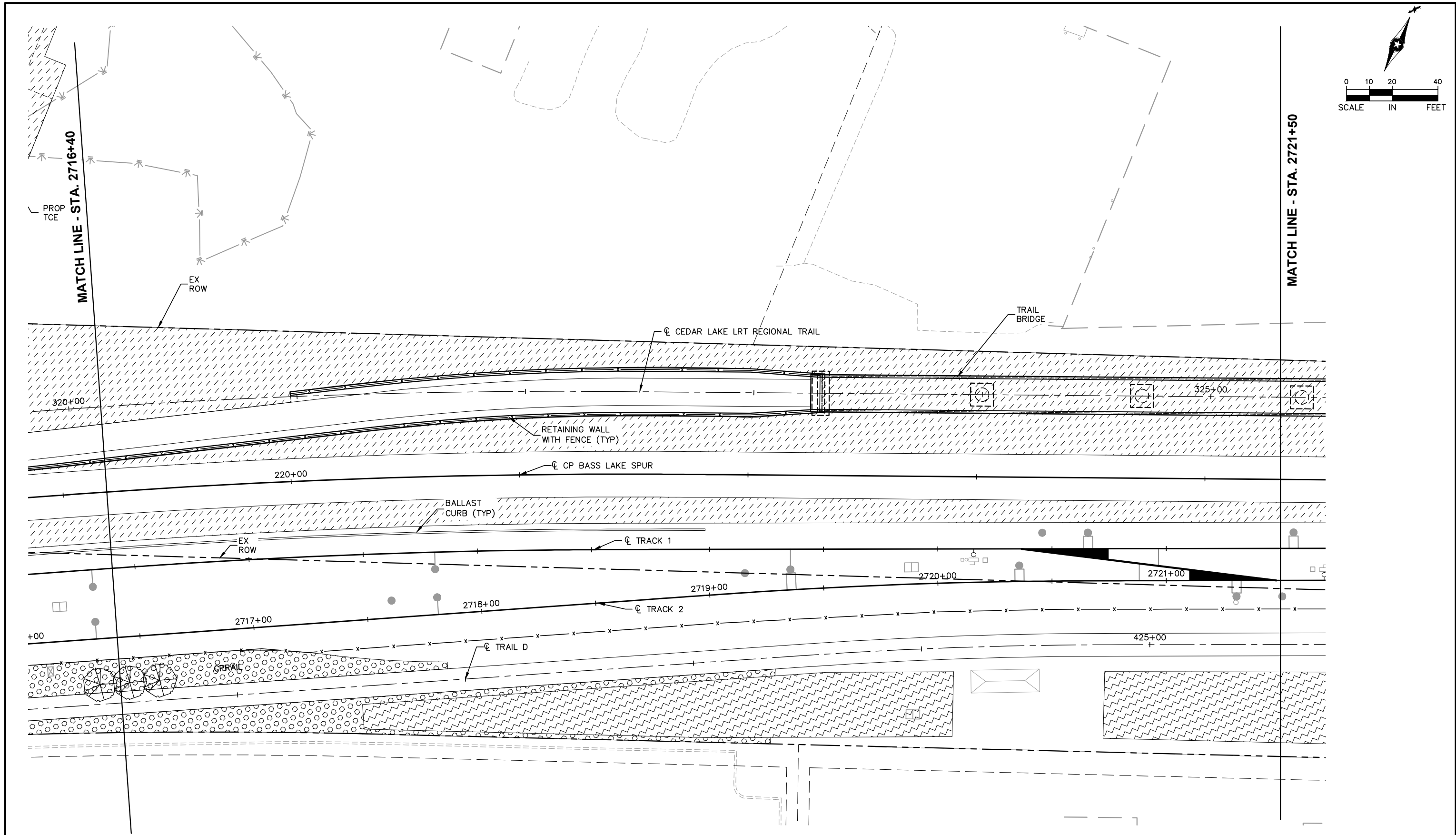
SHEET 56 OF 85

Sep. 21 2015 03:13 pm V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL					 		CIVIL EAST - VOLUME 9 BELTLINE STATION LANDSCAPE PLAN 2 STA. 2711+10 TO STA. 2716+40		SHEET 57 OF 85
						60% SUBMISSION - 09/28/15				DISCIPLINE: LANDSCAPE ARCH		SHEET NAME: E2-LAN-PLN - 009		

Sep. 21 2015 03:13 pm V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

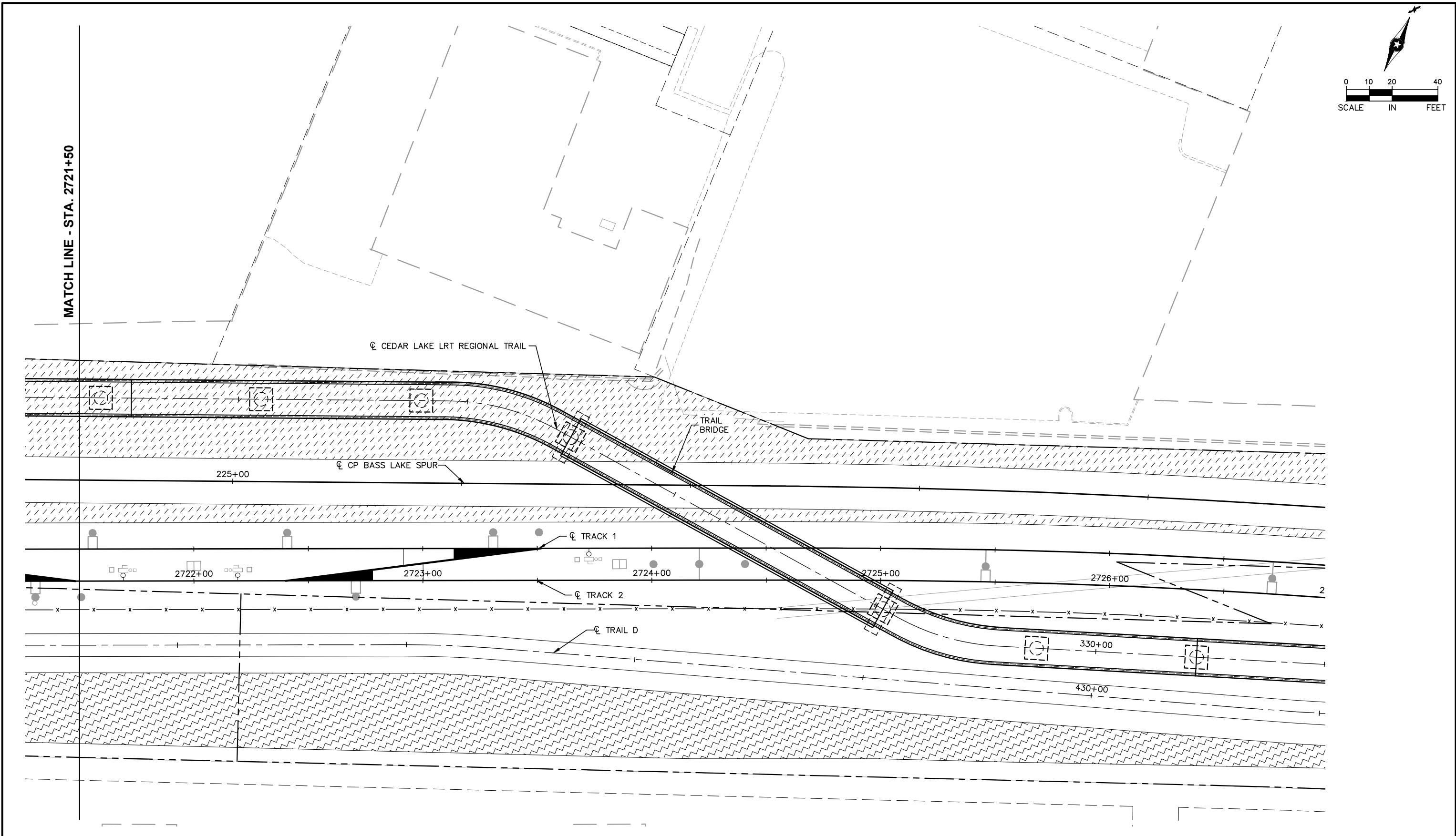
CIVIL EAST - VOLUME 9
BELTLINE STATION
LANDSCAPE PLAN 3
STA. 2716+40 TO STA. 2721+50

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-LAN-PLN - 010

SHEET
58
OF
85

Sep. 21 2015 03:13 pm V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



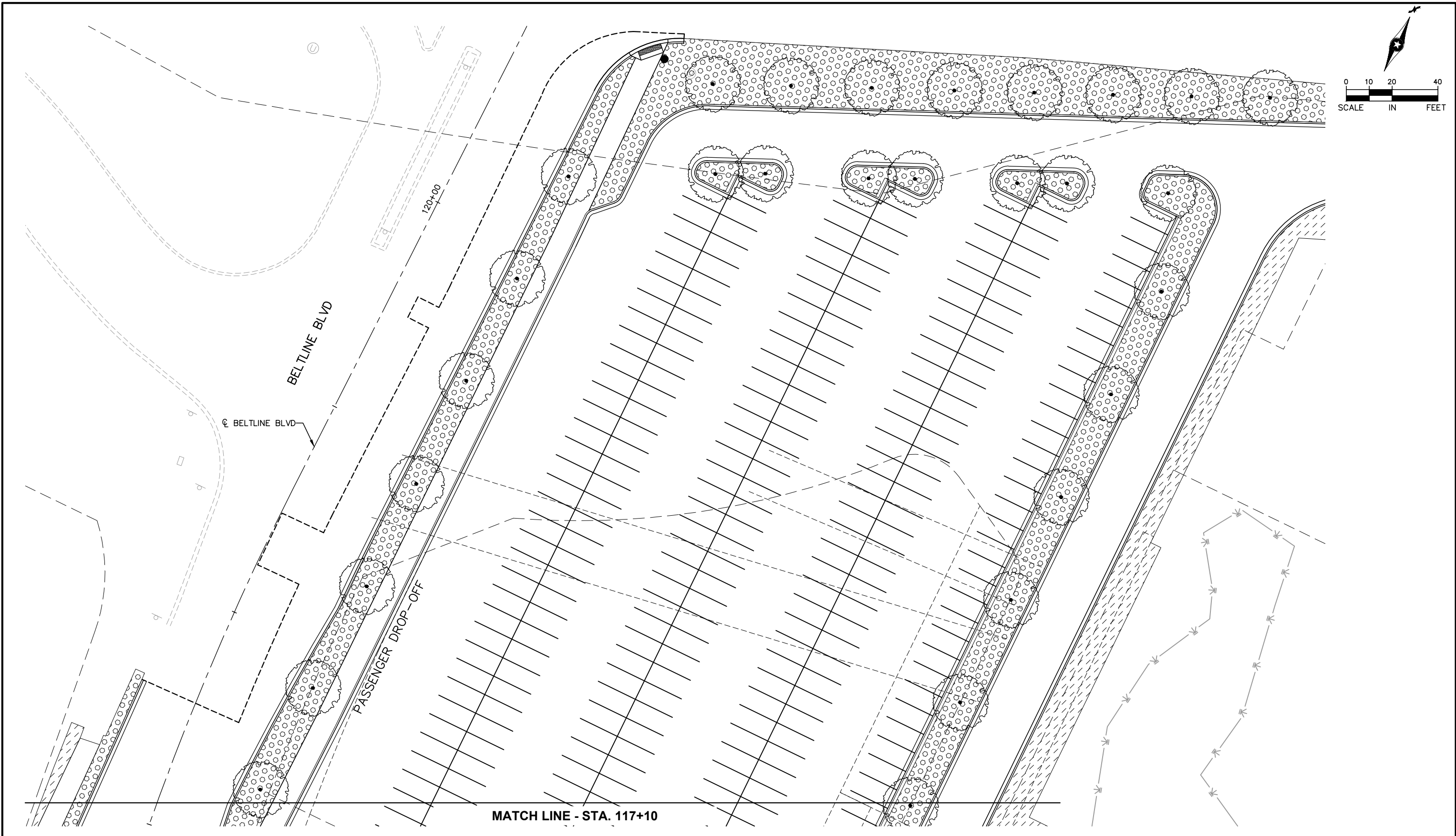
**CIVIL EAST - VOLUME 9
BELTLINE STATION
LANDSCAPE PLAN 4
STA. 2721+50 TO STA. 2726+95**

DISCIPLINE: LANDSCAPE ARCH

SHEET NAME: E2-LAN-PLN - 011

SHEET 59 OF 85

Sep. 21 2015 03:14 pm V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E2-LAN-PLN.dwg By: alex.milanowski



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
C O U N C I L

**SOUTHWEST**
Green Line LRT Extension

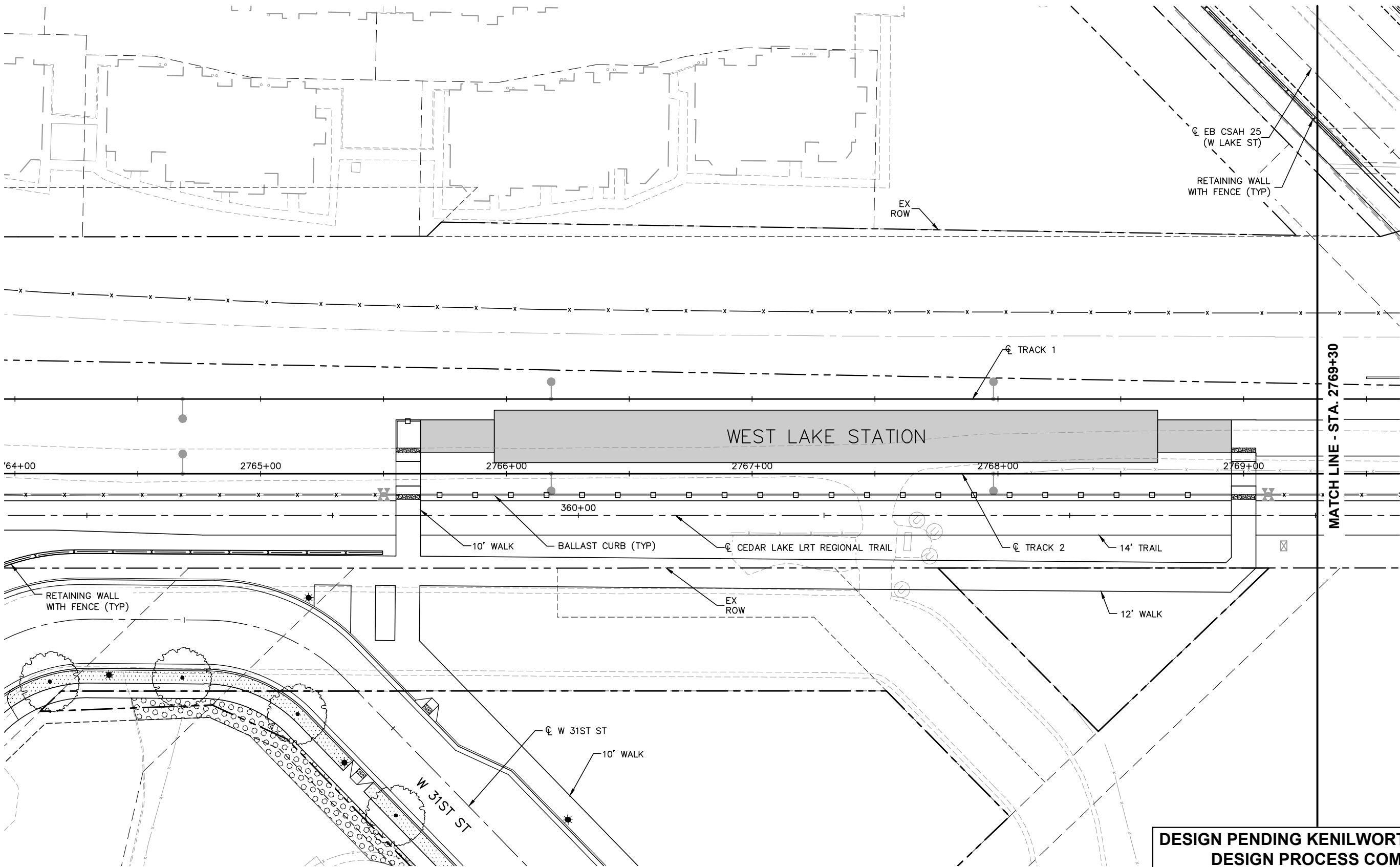
CIVIL EAST - VOLUME 9
BELTLINE STATION
LANDSCAPE PLAN 5
STA. 117+10 TO STA. 120+85

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E2-LAN-PLN - 012

SHEET
60
OF
85

Sep. 21 2015 11:42 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E3-LAN-PLN.dwg By: V-MozzetBR



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



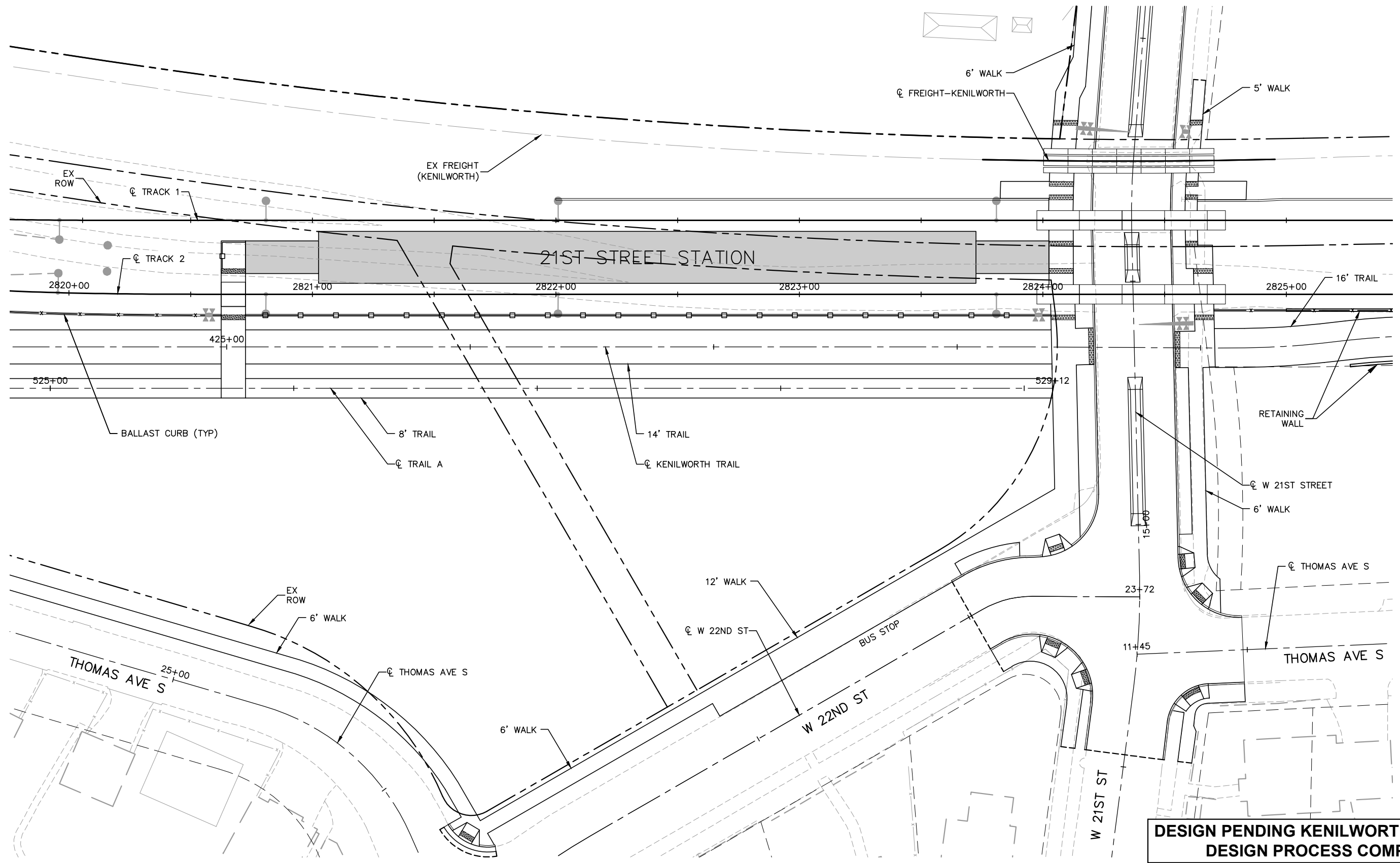
CIVIL EAST - VOLUME 9
WEST LAKE STATION
LANDSCAPE PLAN 1
STA. 2764+00 TO STA. 2769+30

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E3-LAN-PLN - 001

SHEET
61
OF
85

Sep. 21 2015 11:43 am V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E3-LAN-PLN.dwg By: V-MozzetBR



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



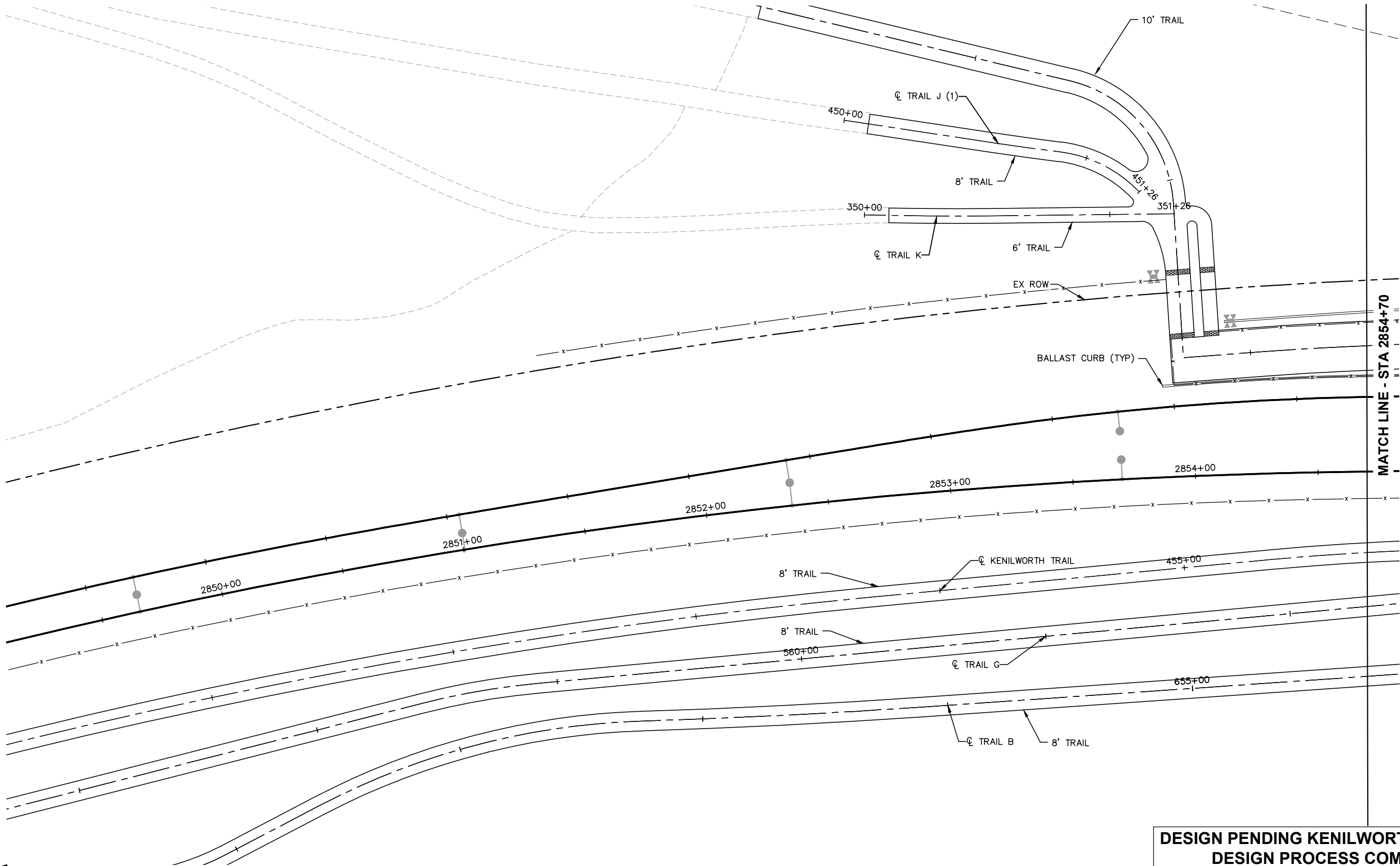
CIVIL EAST - VOLUME 9
21ST STREET STATION
LANDSCAPE PLAN
STA. 2819+75 TO STA. 2825+40

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E3-LAN-PLN - 003

63
OF
85

Sep. 21 2015 11:28 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



SOUTHWEST
Green Line LRT Extension



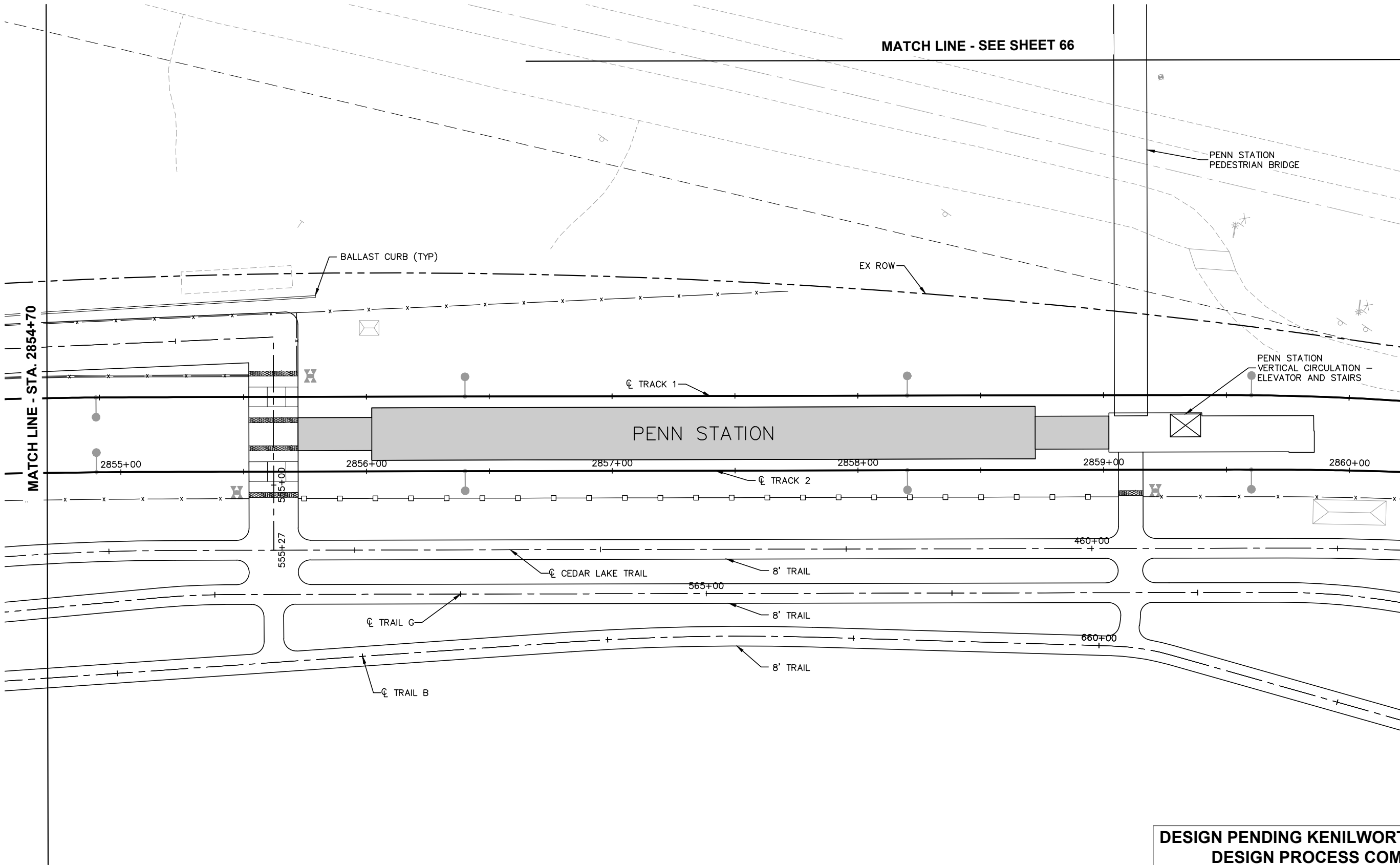
**CIVIL EAST - VOLUME 9
PENN STATION
LANDSCAPE PLAN 1
STA. 2849+10 TO STA. 2854+70**

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-LAN-PLN - 001

**SHEET
64
OF
85**

Sep. 21 2015 11:28 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

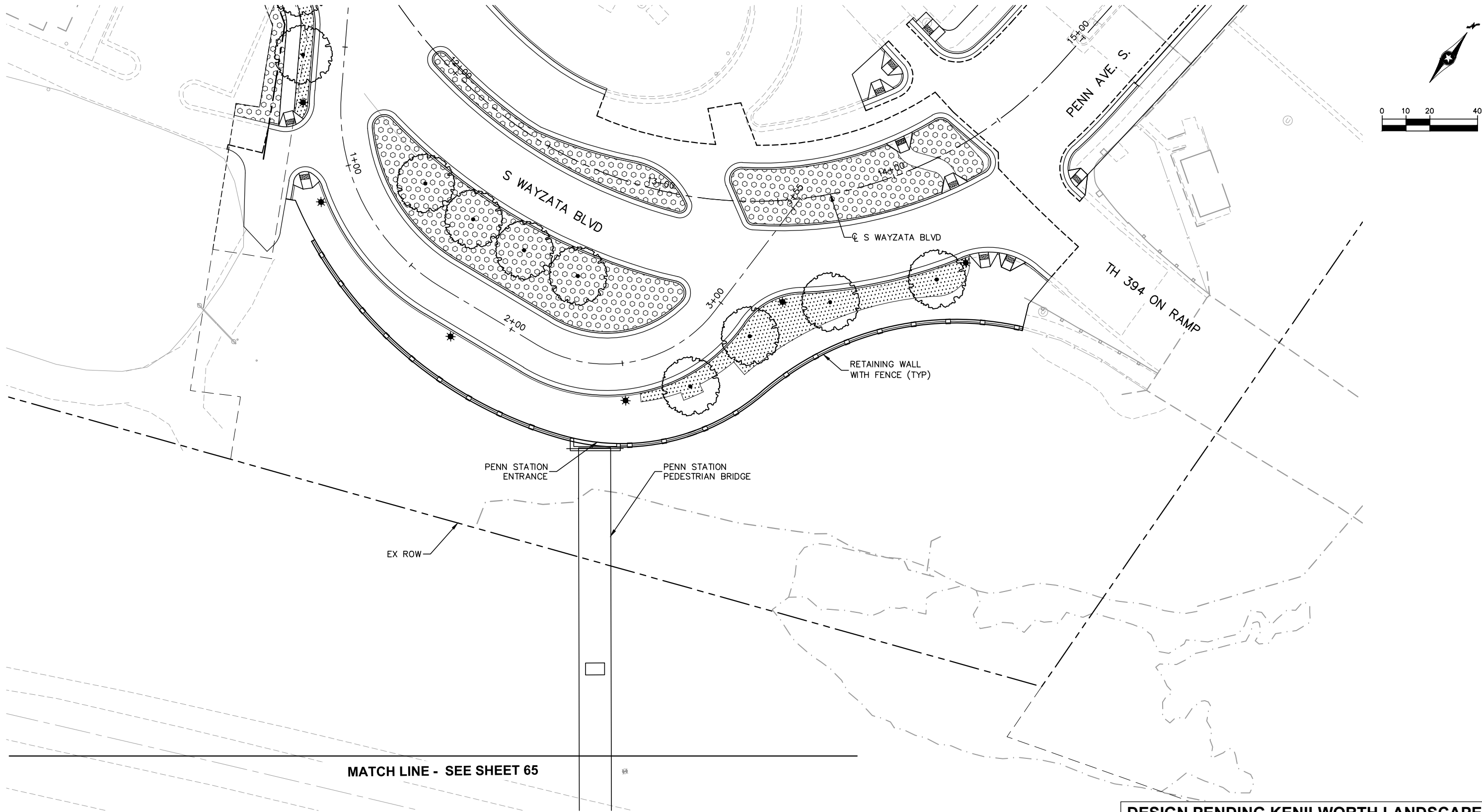


CIVIL EAST - VOLUME 9
PENN STATION
LANDSCAPE PLAN 2
STA. 2854+70 TO STA. 2860+20

DISCIPLINE: LANDSCAPE ARCH
SHEET NAME: E4-LAN-PLN - 002

SHEET
65
OF
85

Sep. 21 2015 11:28 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



DESIGN PENDING KENILWORTH LANDSCAPE
DESIGN PROCESS COMPLETION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

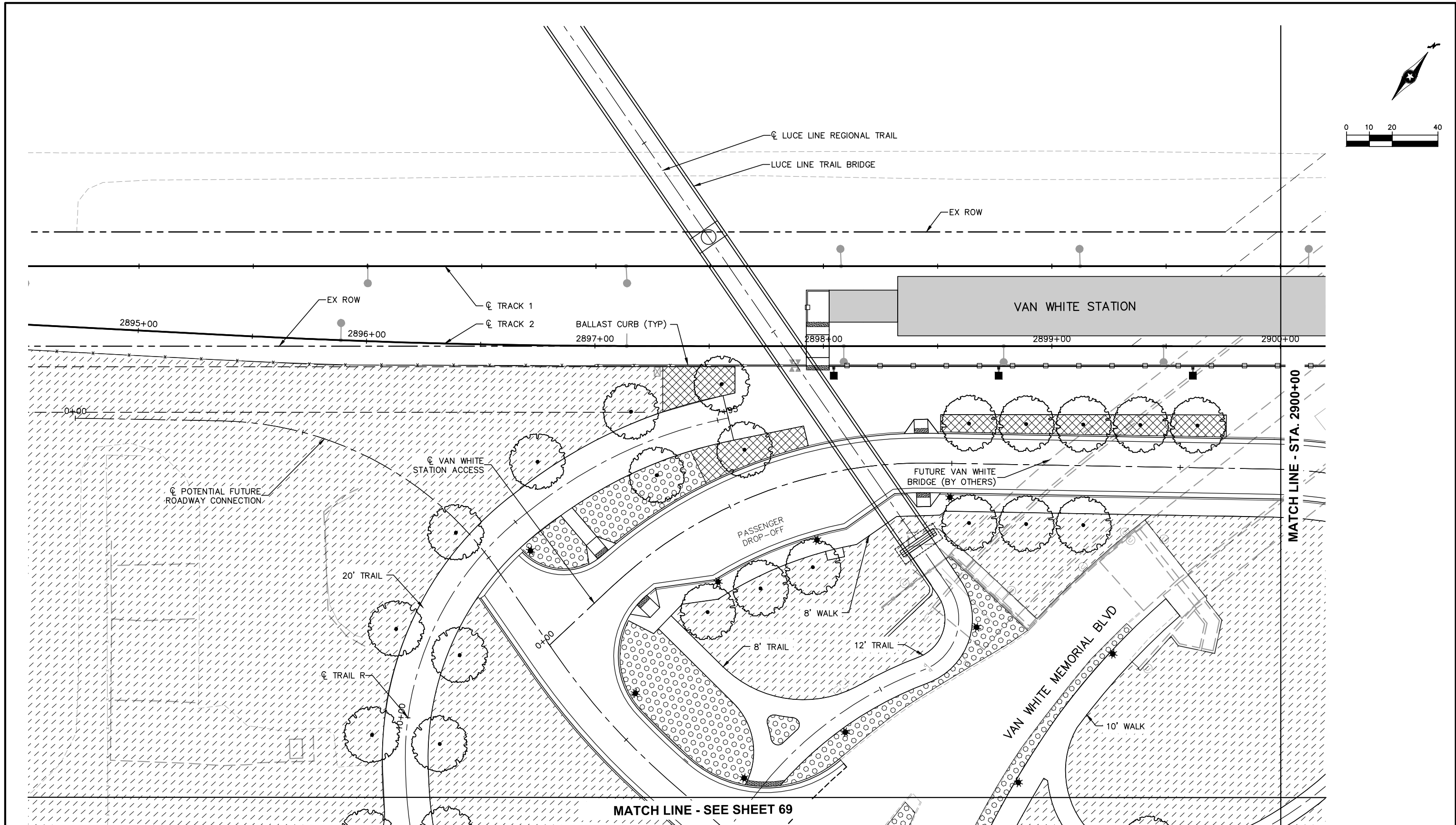
CIVIL EAST - VOLUME 9
PENN STATION
LANDSCAPE PLAN 3
STA. 0+00 TO STA. 3+55

DISCIPLINE:
LANDSCAPE ARCH

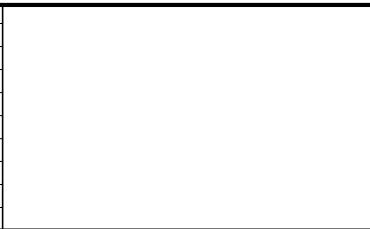
SHEET NAME:
E4-LAN-PLN - 003

SHEET
66
OF
85

Sep. 21 2015 11:29 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

METROPOLITAN
COUNCIL

SOUTHWEST
Green Line LRT Extension

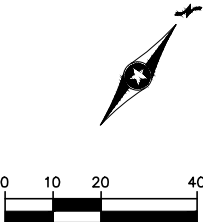
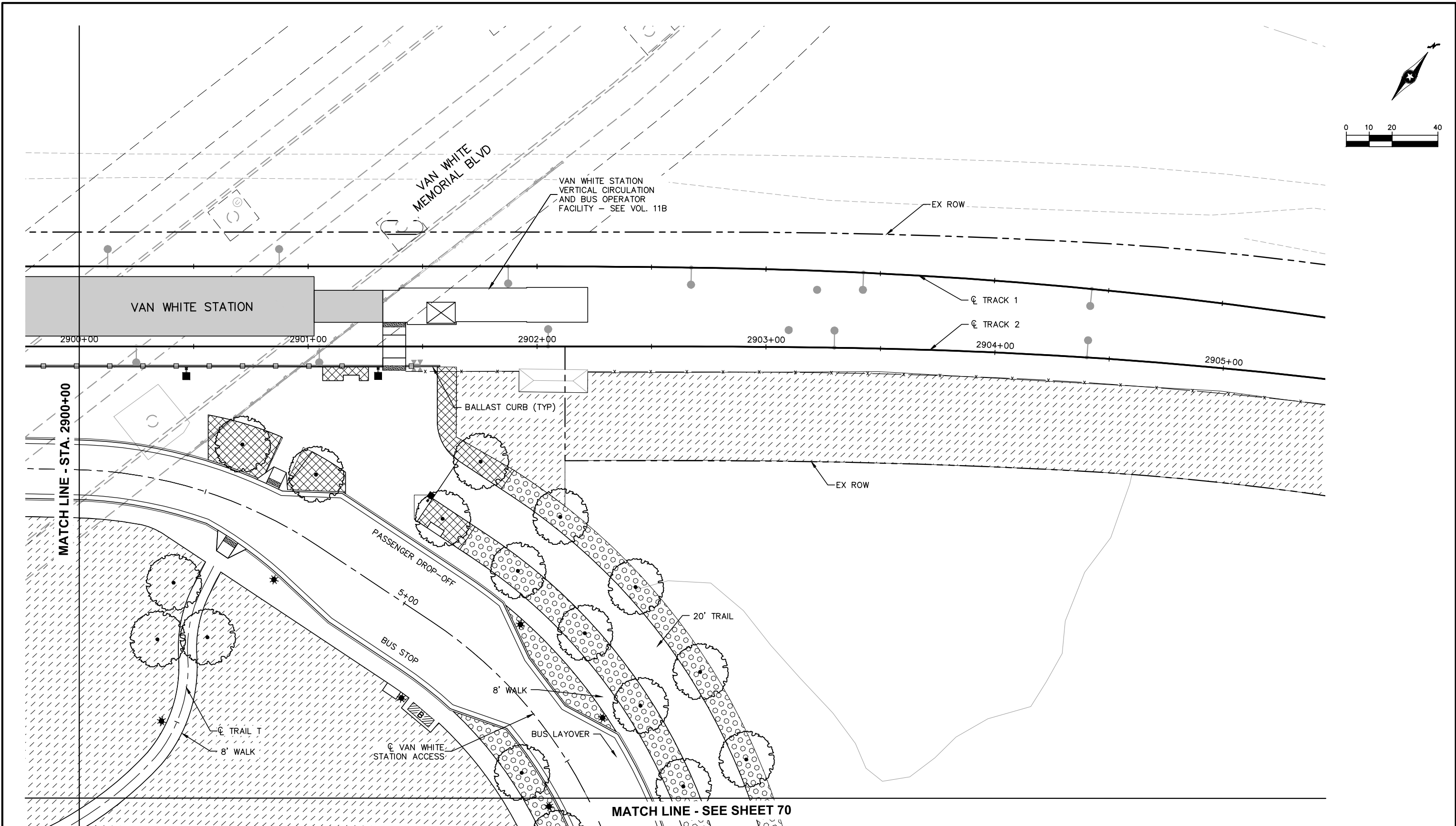
CIVIL EAST - VOLUME 9
VAN WHITE STATION
LANDSCAPE PLAN 1
STA. 2894+50 TO STA. 2900+00

DISCIPLINE:
LANDSCAPE ARCH

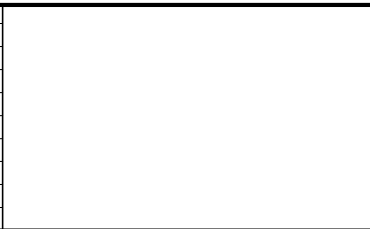
SHEET NAME:
E4-LAN-PLN - 004

SHEET
67
OF
85

Sep. 21 2015 11:29 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley-Horn

60% SUBMISSION - 09/28/15



METROPOLITAN COUNCIL



SOUTHWEST
Green Line LRT Extension

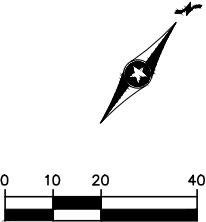
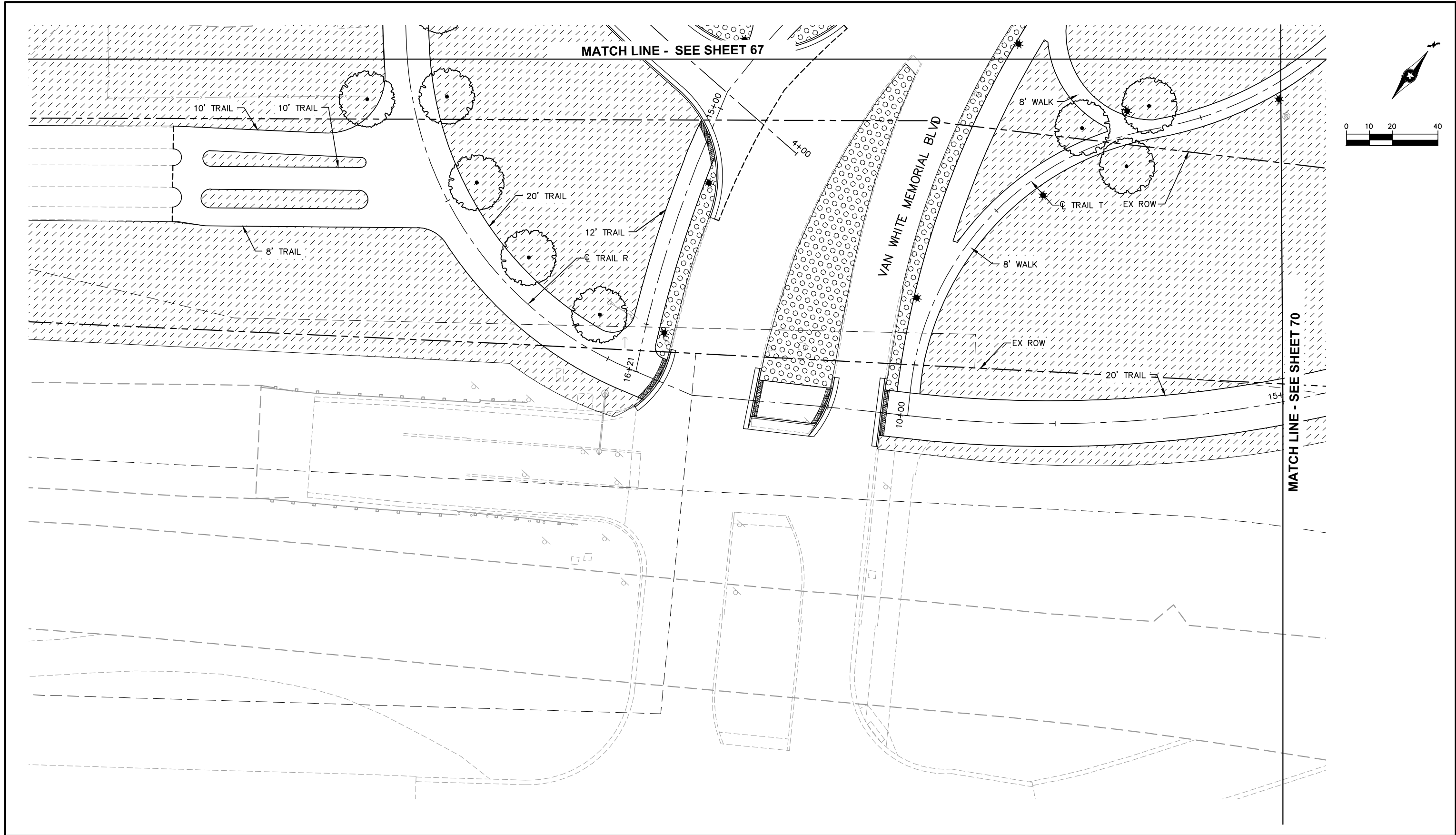
CIVIL EAST - VOLUME 9
VAN WHITE STATION
LANDSCAPE PLAN 2
STA. 2900+00 TO STA. 2905+45

DISCIPLINE:
LANDSCAPE ARCH

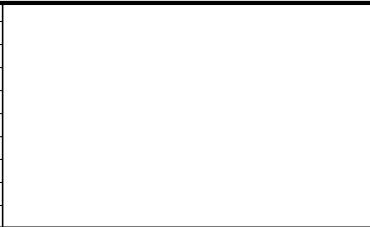
SHEET NAME:
E4-LAN-PLN - 005

SHEET
68
OF
85

Sep. 21 2015 11:29 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



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60% SUBMISSION - 09/28/15



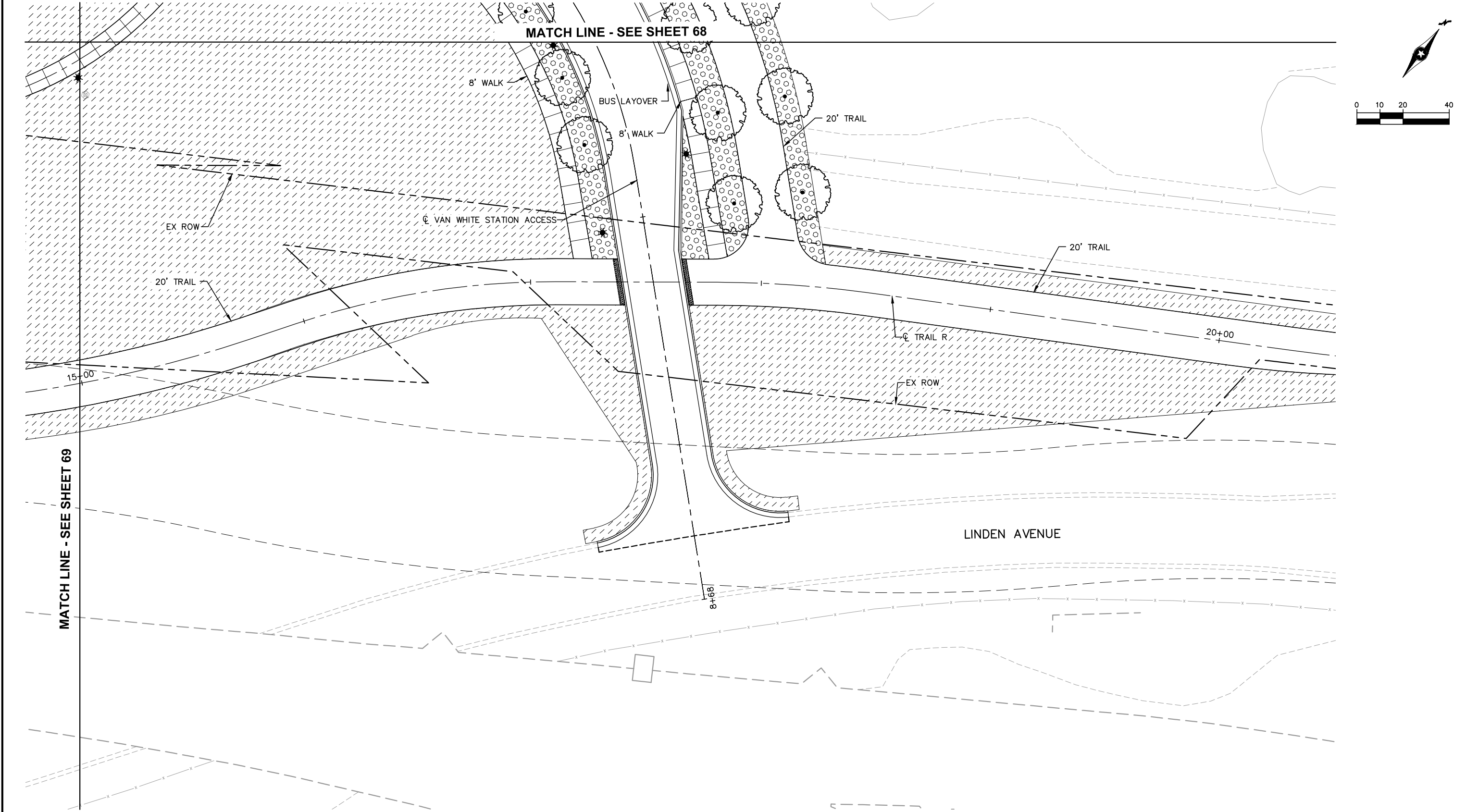
CIVIL EAST - VOLUME 9
VAN WHITE STATION
LANDSCAPE PLAN 3
STA. 10+35 TO STA. 15+00

DISCIPLINE:
LANDSCAPE ARCH

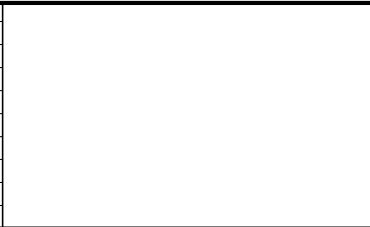
SHEET NAME:
E4-LAN-PLN - 006

SHEET
69
OF
85

Sep, 21 2015 11:29 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



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60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

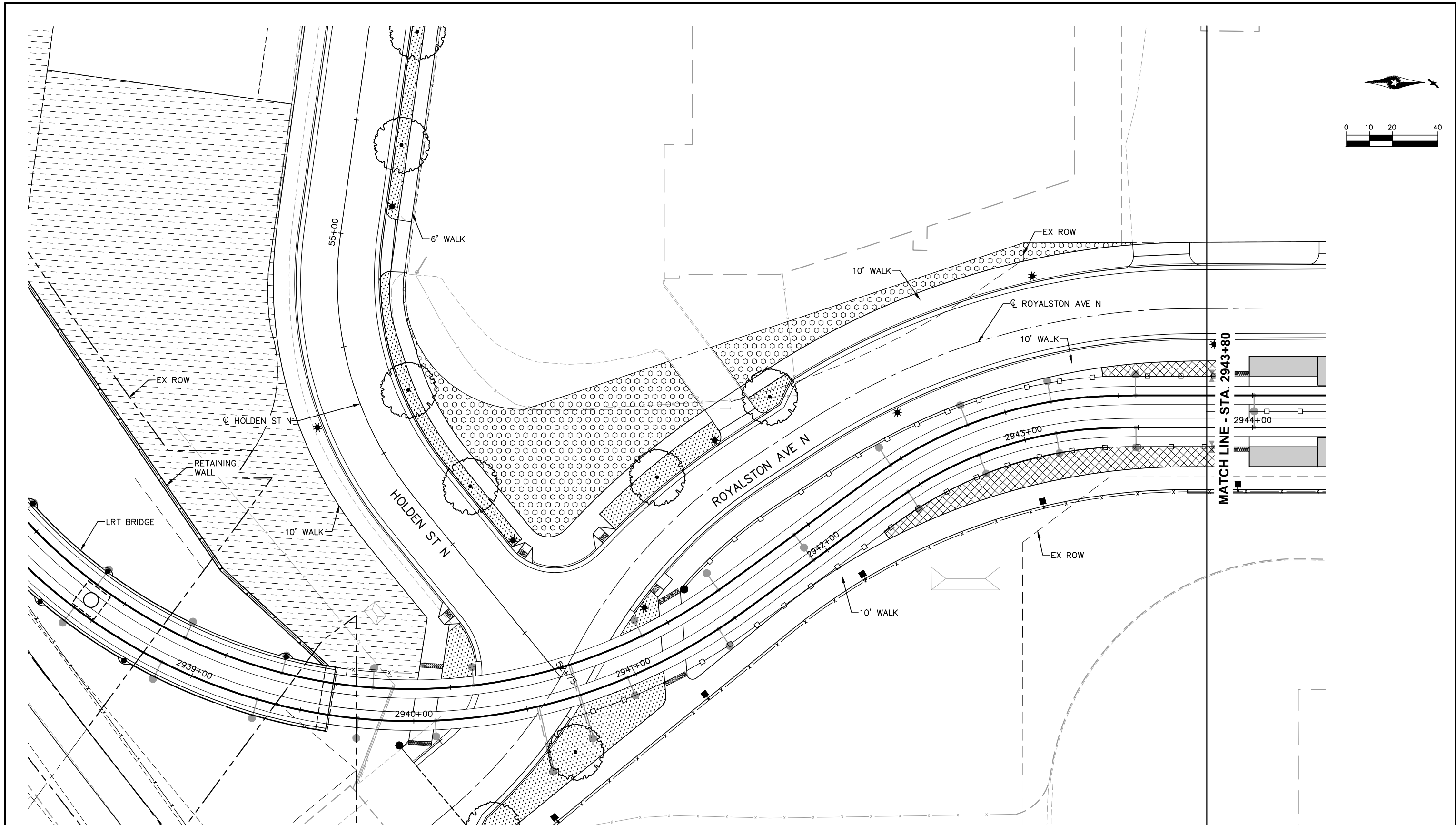
CIVIL EAST - VOLUME 9
VAN WHITE STATION
LANDSCAPE PLAN 4
STA. 15+00 TO STA. 20+50

DISCIPLINE: LANDSCAPE ARCH

SHEET NAME: E4-LAN-PLN - 007

SHEET
70
OF
85

Sep. 21 2015 11:29 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



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AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

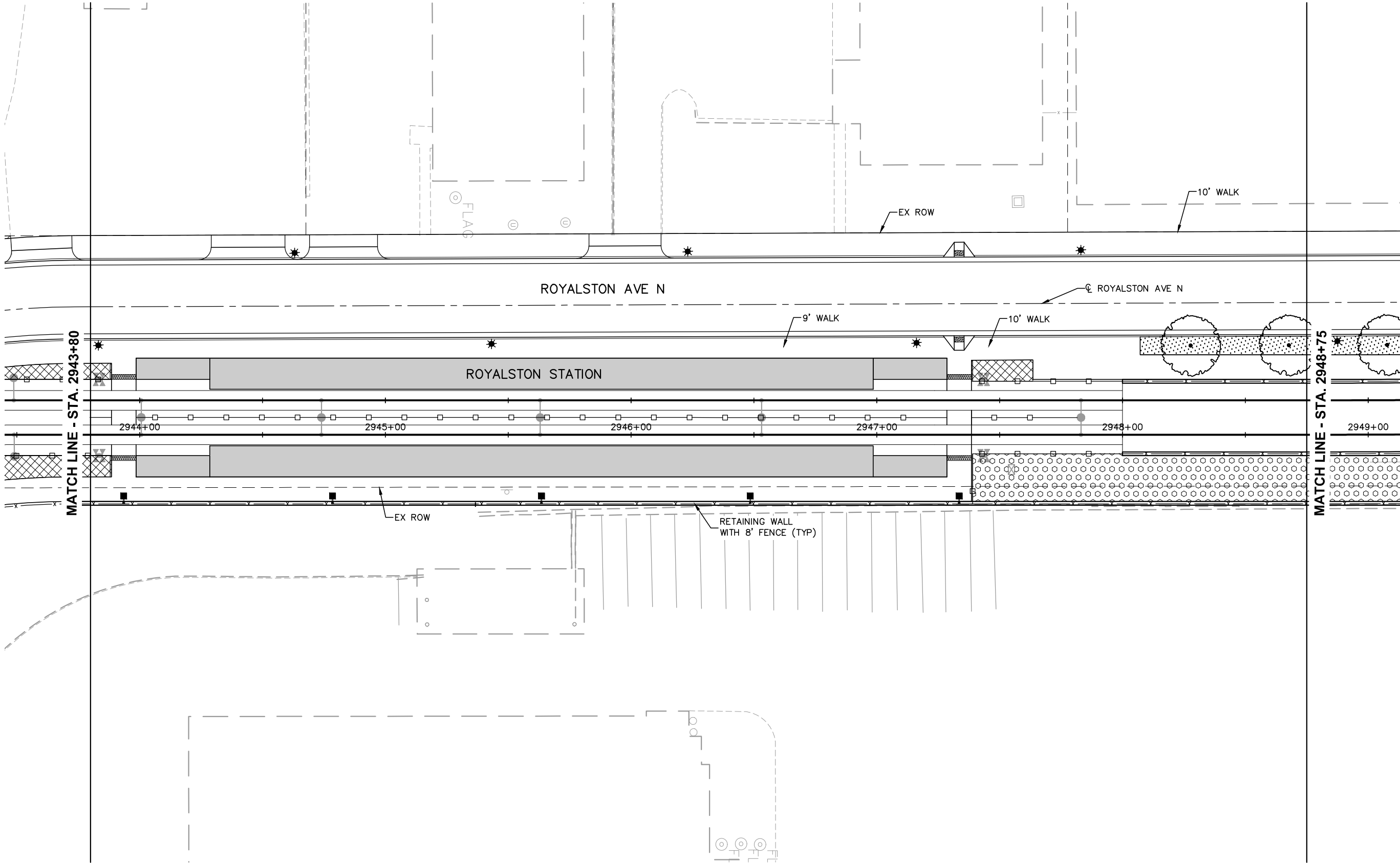
CIVIL EAST - VOLUME 9
ROYALSTON STATION
LANDSCAPE PLAN 1
STA. 2938+15 TO STA. 2943+80

DISCIPLINE:
LANDSCAPE ARCH

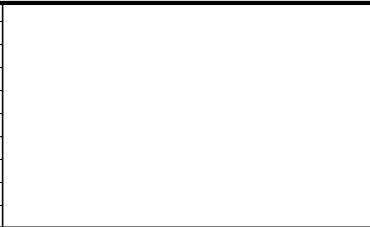
SHEET NAME:
E4-LAN-PLN - 008

SHEET
71
OF
85

Sep. 21 2015 11:30 am V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



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60% SUBMISSION - 09/28/15

**METROPOLITAN**
COUNCIL

**SOUTHWEST**
Green Line LRT Extension

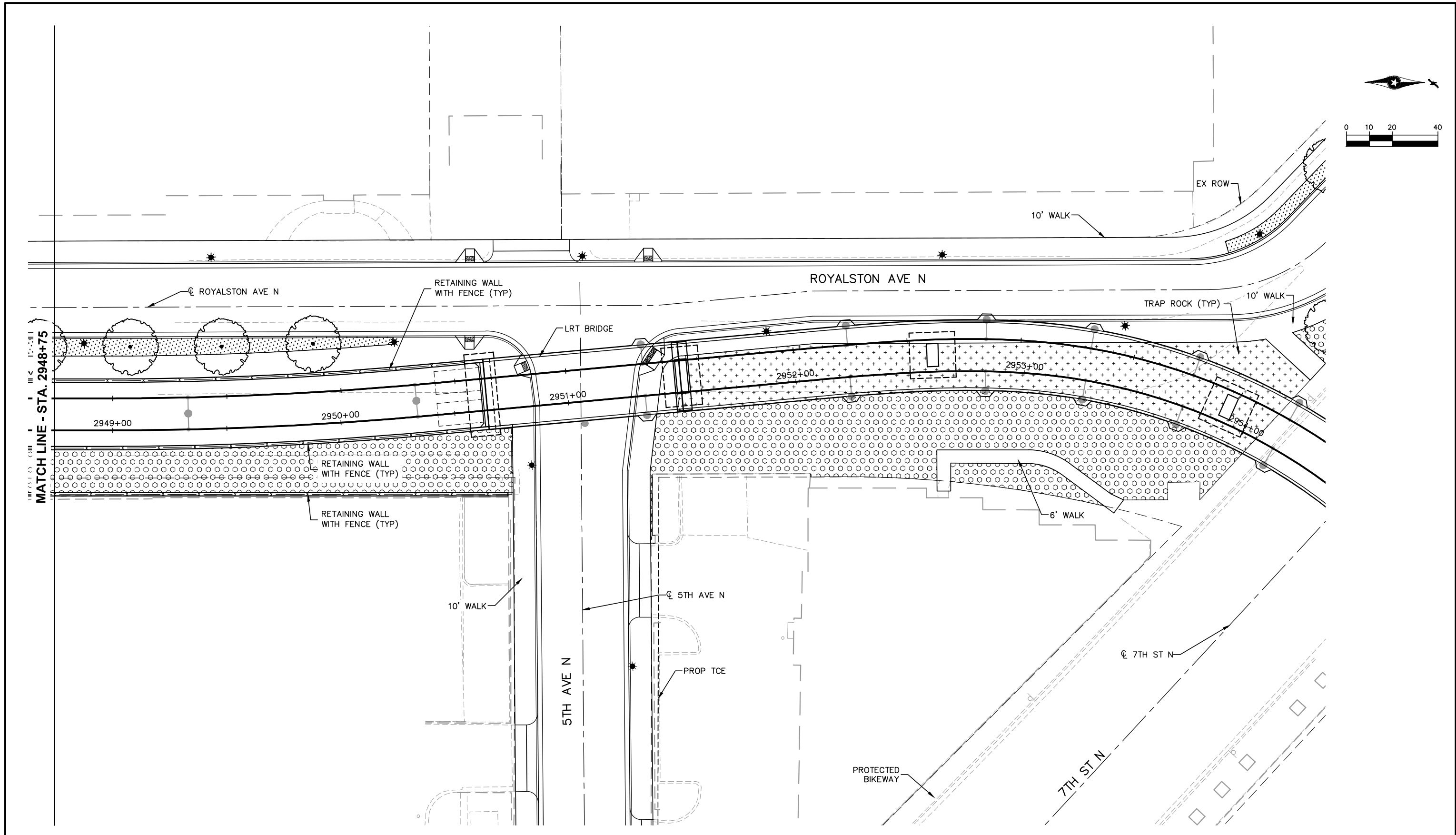
CIVIL EAST - VOLUME 9
ROYALSTON STATION
LANDSCAPE PLAN 2
STA. 2943+80 TO STA. 2948+75

DISCIPLINE:
LANDSCAPE ARCH

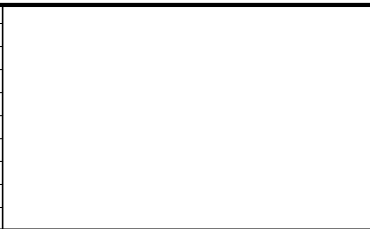
SHEET NAME:
E4-LAN-PLN - 009

SHEET
72
OF
85

Sep. 21 2015 11:30 am V:\3400_ADC\CAD\CAD_00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-PLN.dwg By: joseph.starbuck



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



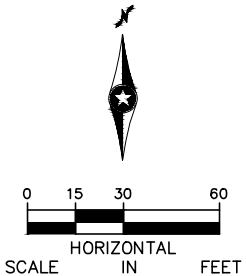
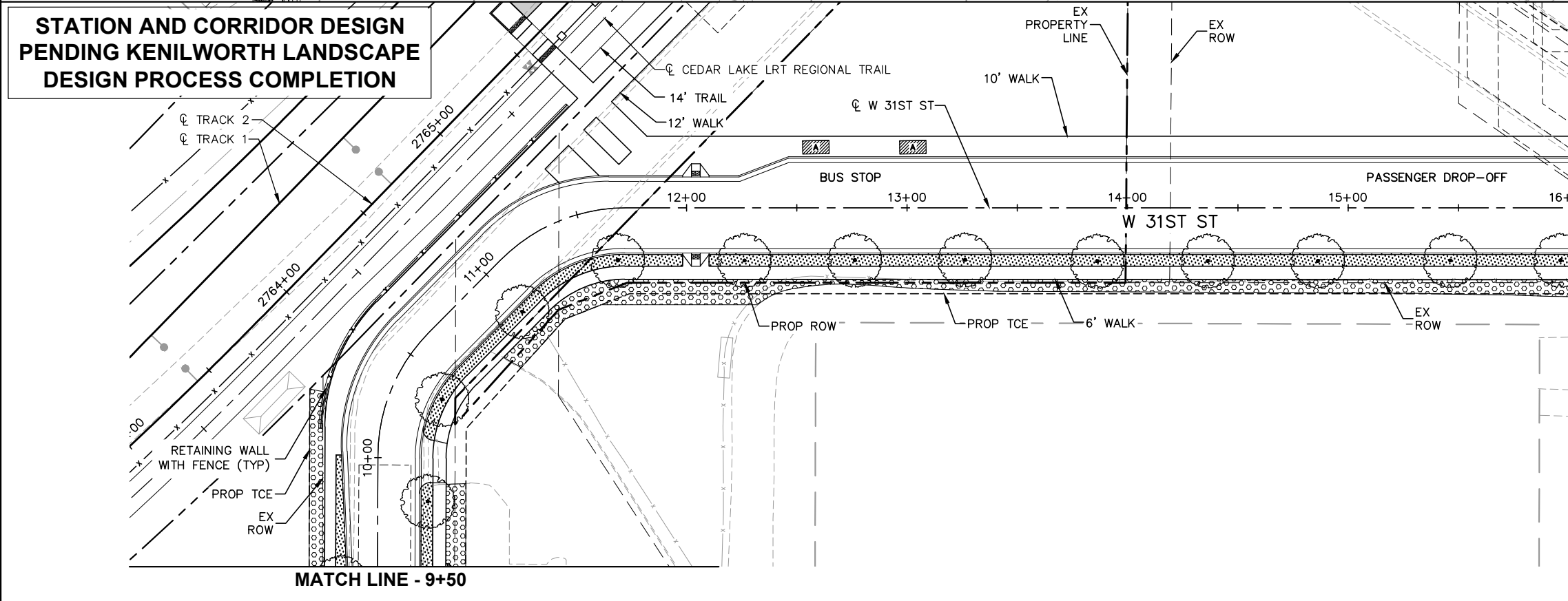
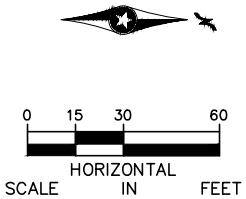
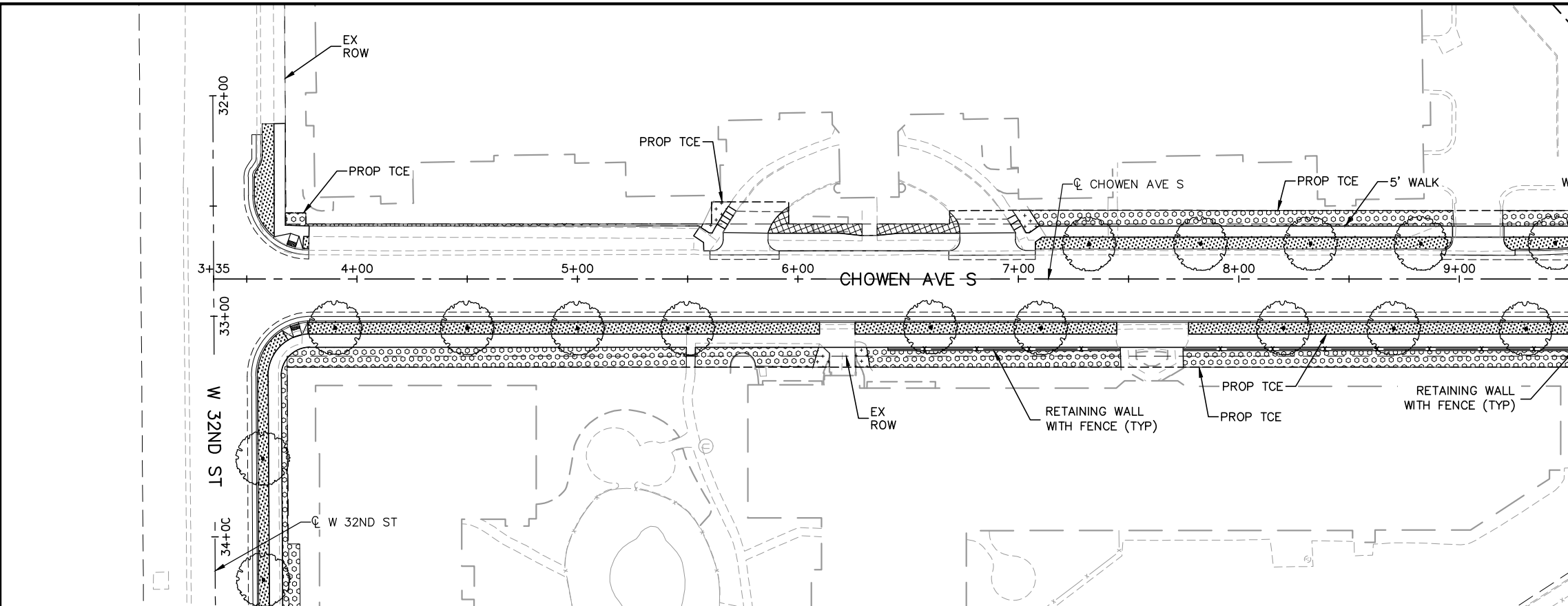
CIVIL EAST - VOLUME 9
ROYALSTON STATION
LANDSCAPE PLAN 3
STA. 2948+75 TO STA. 2954+40

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-LAN-PLN - 010

SHEET
73
OF
85

Sep. 21 2015 03:42 pm v:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E3-LAN-RWY.dwg By: V-MozzeBR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



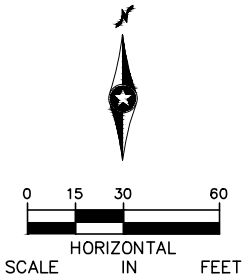
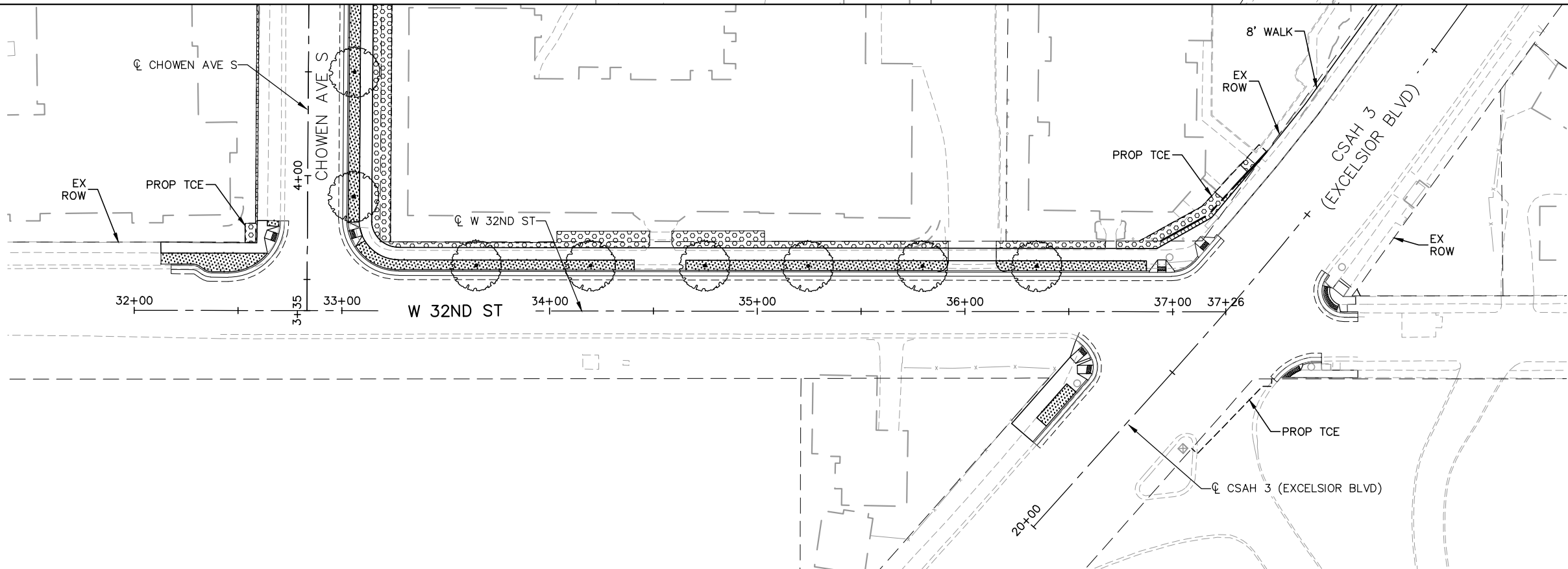
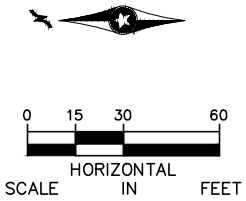
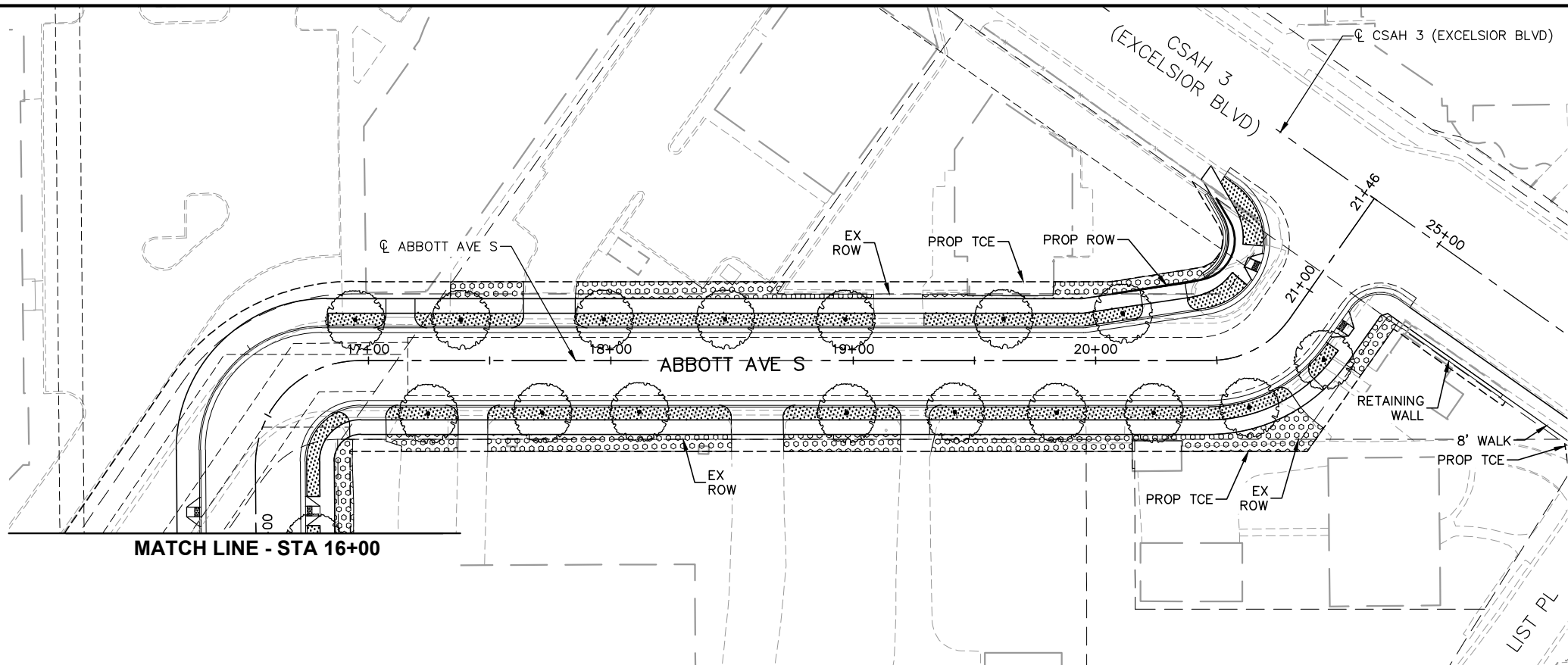
CIVIL EAST - VOLUME 9
CHOWEN AVE S & W 31ST STREET
LANDSCAPE PLAN
STA. 3+35 TO STA. 16+00

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E3-LAN-RWY - 001

SHEET
74
OF
85

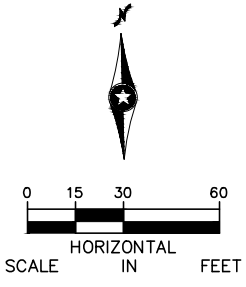
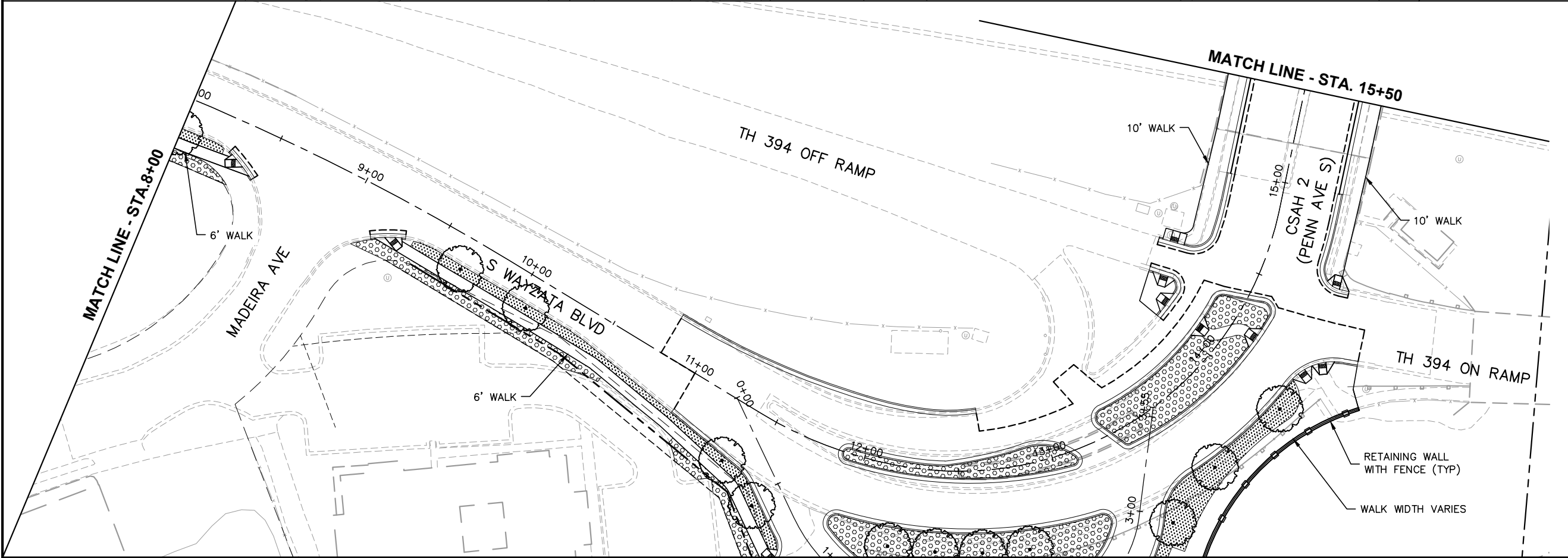
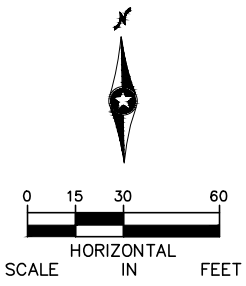
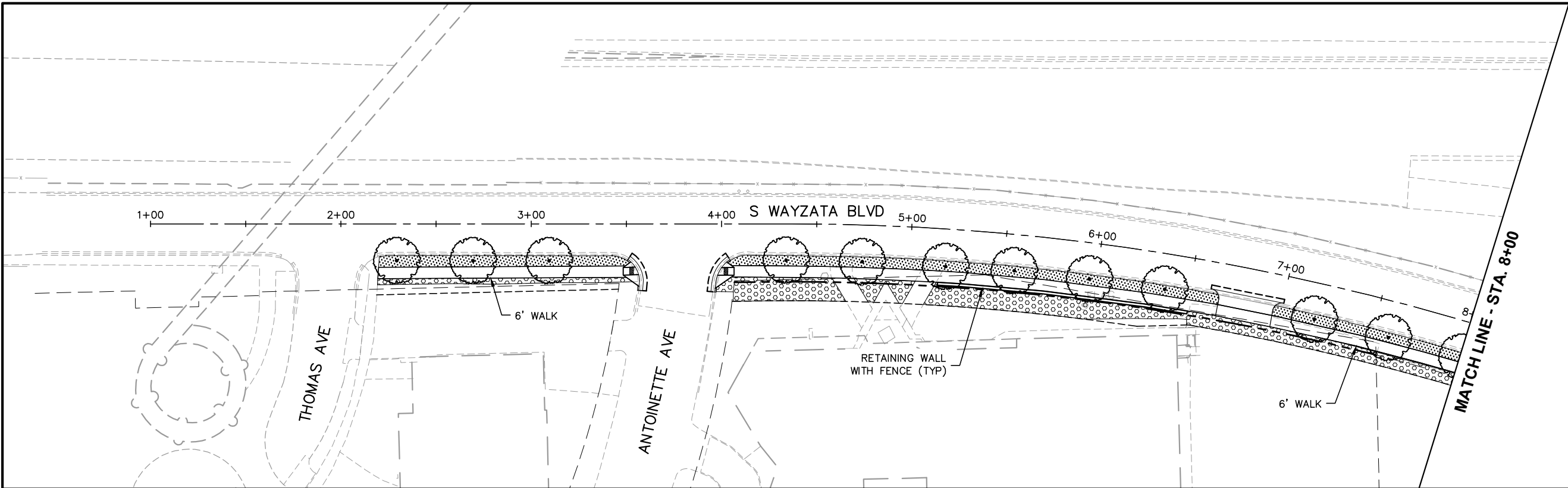
Sep. 21 2015 03:43 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E3-LAN-RWY.dwg By: V-MozzeBR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

		 		CIVIL EAST - VOLUME 9 ABBOTT & W 32ND STREET LANDSCAPE PLAN STA. 16+00 TO STA. 21+46	SHEET 75 OF 85
60% SUBMISSION - 09/28/15		DISCIPLINE: LANDSCAPE ARCH		SHEET NAME: E3-LAN-RWY - 002	

Sep. 21 2015 11:52 am V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-RWY.dwg By: V-MozzeiBR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15

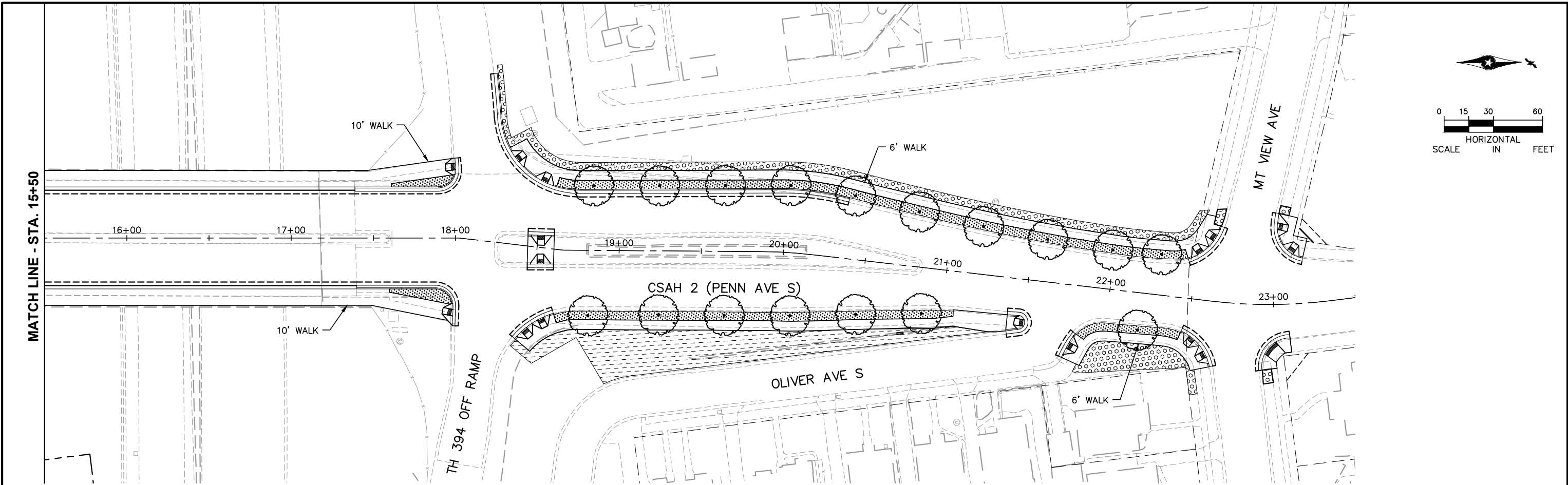


CIVIL EAST - VOLUME 9
WAYZATA BOULEVARD
LANDSCAPE PLAN
STA. 1+00 TO STA. 15+50

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-LAN-RWY - 001

Sep. 21 2015 11:53 am V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-RWY.dwg By: V-MozzeiBR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15

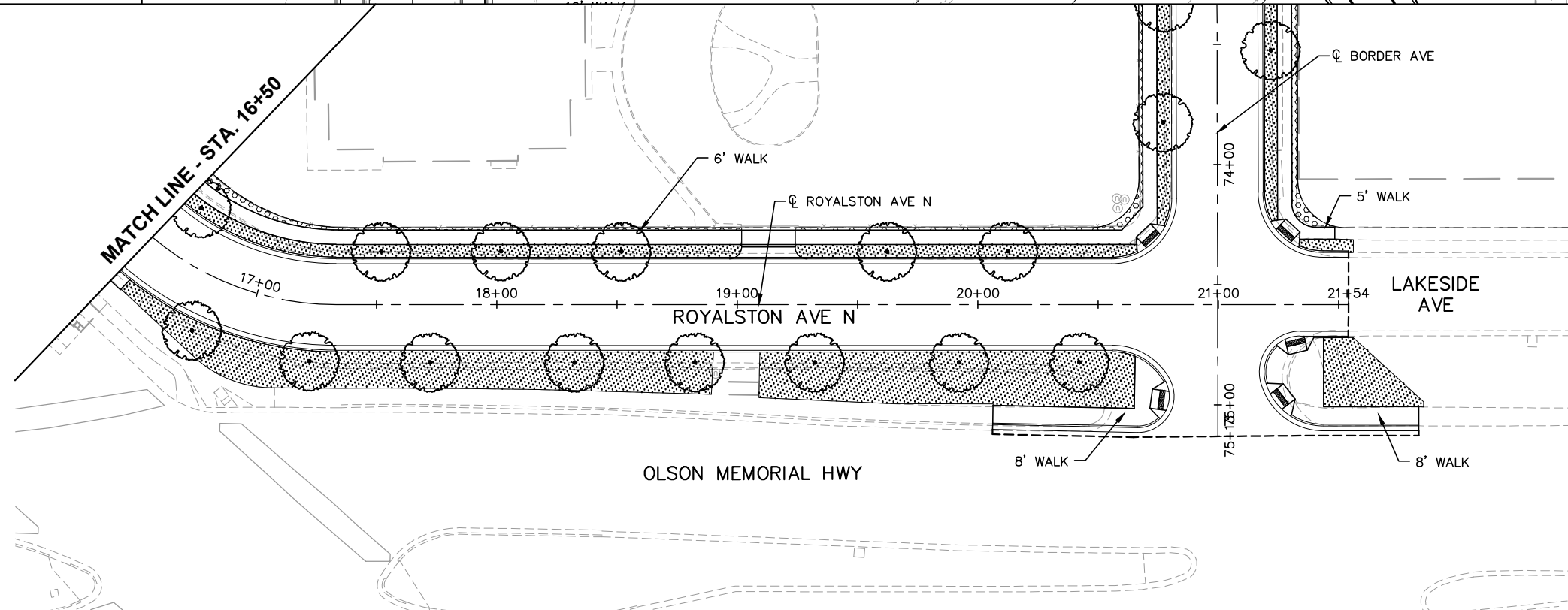
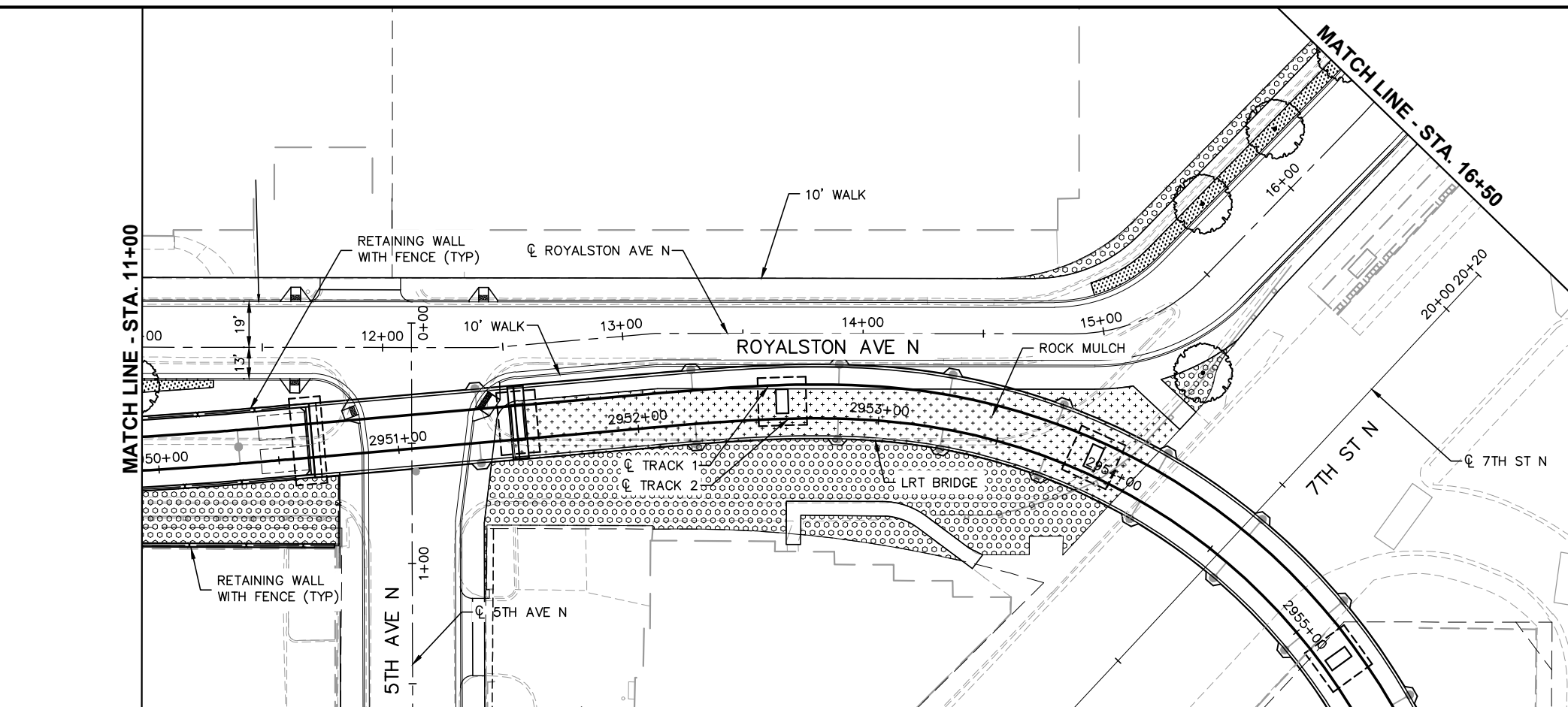


CIVIL EAST - VOLUME 9
PENN AVE SOUTH
LANDSCAPE PLAN
STA. 15+50 TO STA. 23+50

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-LAN-RWY - 002

SHEET
77
OF
85

[illegible]

60% SUBMISSION - 09/28/15



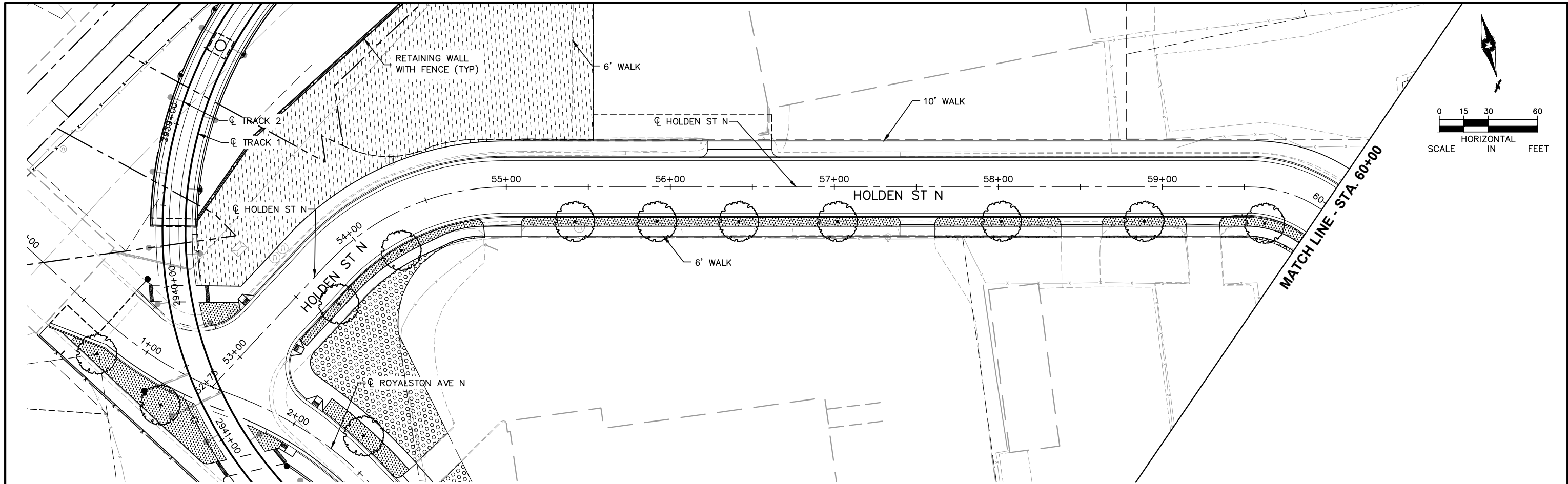
**CIVIL EAST - VOLUME 9
ROYALSTON AVENUE
LANDSCAPE PLAN
STA. 11+00 TO STA. 21+54**

DISCIPLINE: **LANDSCAPE ARCH**

SHEET NAME:	E4-LAN-RWY - 003
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	SHEET
	78
	OF
	85

Sep. 21 2015 11:54 am V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-RWY.dwg By: V-MozzeiBR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



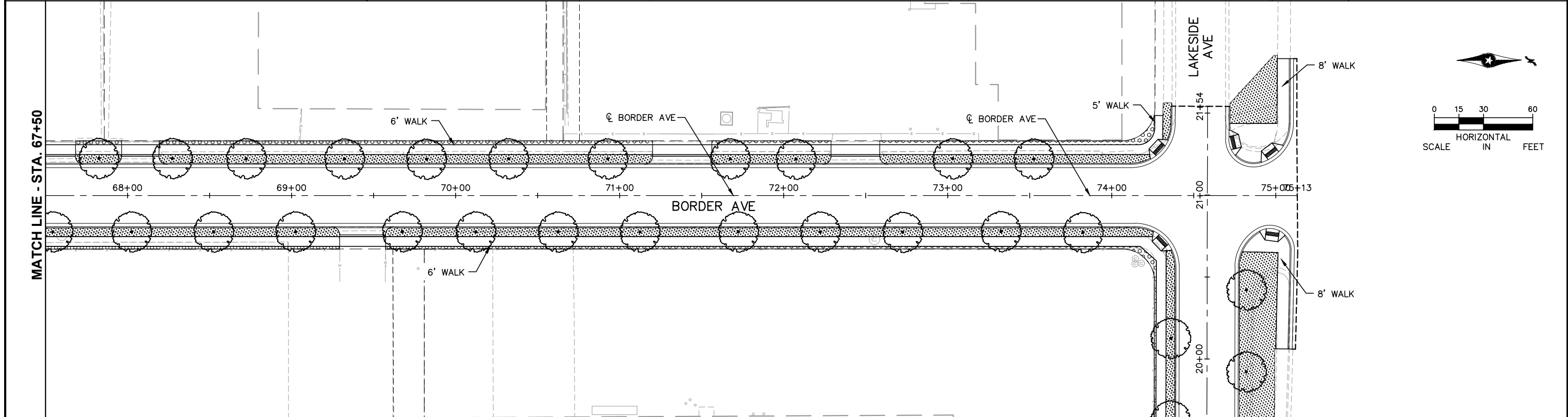
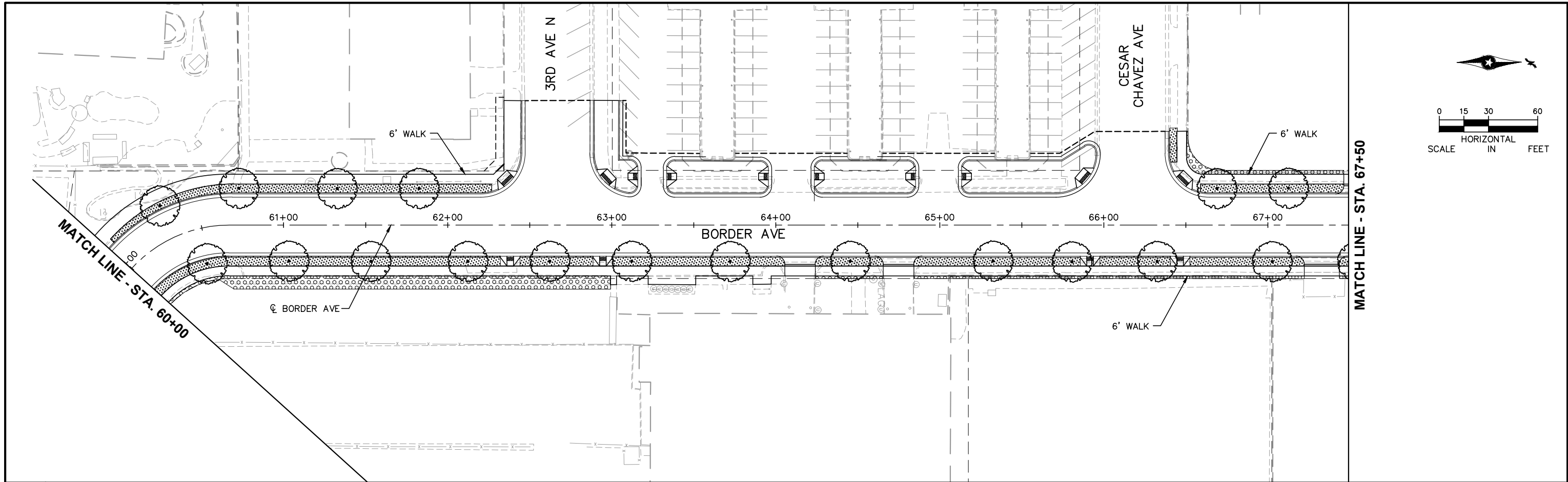
CIVIL EAST - VOLUME 9
HOLDEN STREET NORTH
LANDSCAPE PLAN
STA. 52+75 TO STA. 60+00

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E4-LAN-RWY - 004

SHEET
79
OF
85

Sep. 21 2015 11:54 am V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E4-LAN-RWY.dwg By: V-MozzeiBR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



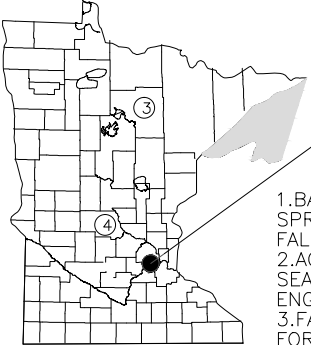
60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 9 BORDER AVENUE LANDSCAPE PLAN STA. 60+00 TO STA. 75+13		SHEET 80 OF 85
DISCIPLINE: LANDSCAPE ARCH	SHEET NAME: E4-LAN-RWY - 005	

Sep. 21 2015 12:02 pm v:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E0-LAN-DTL.dwg By: V-MozzetBR

GENERAL NOTES		
SEE SPECIAL PROVISIONS FOR SPECIFIC PROJECT REQUIREMENTS.		
REFER TO MnDOT SPECIFICATIONS 2571, 3861, AND THE "2016 INSPECTION AND CONTRACT ADMINISTRATION MANUAL FOR MnDOT LANDSCAPE PROJECTS" FOR GENERAL REQUIREMENTS.		
COMPLETE PREPARATORY WORK BEFORE STARTING INITIAL PLANTING OPERATIONS.		
ACCEPT ALL PLANT STOCK IN ACCORDANCE WITH MnDOT 3861 PRIOR TO PLANTING.		
THE CONTRACTOR WILL DEMONSTRATE COMPETENCY FOR SOIL CULTIVATION OPERATIONS IN ACCORDANCE WITH (MnDOT 2571.3D2 STEP 4)		
THE CONTRACTOR WILL DEMONSTRATE COMPETENCY FOR ALL PLANT INSTALLATION OPERATIONS IN ACCORDANCE WITH MnDOT 2571.3F1		
RODENT PROTECTION	SEE SPECIAL PROVISIONS AND STANDARD PLANTING DETAILS (C)	
FERTILIZER	SEE SPECIAL PROVISIONS	
COMPOST	MnDOT 3890 GRADE 2 UNLESS OTHERWISE SPECIFIED.	
MULCH MATERIAL	MnDOT 3882 TYPE 6 UNLESS OTHERWISE SPECIFIED.	
MASS PLANTING BEDS	PREPARE MASS PLANTING BEDS FOR PLANTS PLACED AT 6' OR LESS, UNLESS OTHERWISE SPECIFIED ON SHEETS. PLANT BEDS IN STAGGERED ROWS ON THE PERIMETER FIRST, THEN UNIFORMLY FILL IN WITH REMAINING PLANTS. USE TRIANGULAR SPACING, UNLESS SPECIFIED OTHERWISE. PROVIDE 5' RADIUS CLEAR OF SHRUBS AROUND EACH DECIDUOUS TREE AND 8' CLEAR RADIUS AROUND EACH CONIFER TREE. RADIUS WILL BE MEASURED FROM THE CENTER OF THE TREE TO THE CENTER OF THE SHRUB. NOTIFY ENGINEER OF GROSS PLANT QUANTITY SURPLUS OR DEFICIENCY IMMEDIATELY. MULCH ENTIRE MASS PLANTING BED. SEE STANDARD PLANTING DETAILS (C)	
TREE PAINTING (FROST CRACK PREVENTION)	NO PAINTING OF TREE STEMS SHALL BE REQUIRED.	
PLANTING PLAN DIMENSIONS	STATED DIMENSIONS SUPERCEDE SCALING FROM PLAN.	
WATERING GUIDELINES (MnDOT 2571.3G)	PLANT TYPE	AVERAGE GALLONS OF WATER PER APPLICATION
	MACHINE TRANSPLANTED TREES	50-100
	BALLED AND BURLAPPED TREES	20
	BARE ROOT AND CONTAINER TREES	15
	BALLED AND BURLAPPED SHRUBS	10
	BARE ROOT AND CONTAINER SHRUBS	7
	WOODY SEEDLINGS	4
	PERENNIALS AND VINES	3
	IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR AND MAINTAIN SOIL MOISTURE AT ADEQUATE BUT NOT EXCESSIVE LEVELS. THE AMOUNTS LISTED ABOVE ARE GUIDELINES, NOT REQUIREMENTS.	



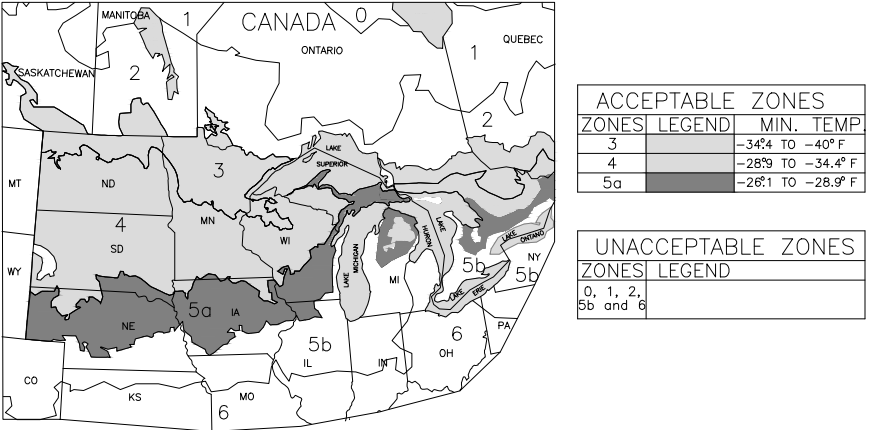
PROJECT LOCATION

1.BARE ROOT PERENNIALS MUST BE INSTALLED IN THE SPRING NO LATER THAN JUNE 1ST OR FOLLOW THE FALL DECIDUOUS PLANTING DATES.
2.ACTUAL DATES MAY CHANGE DEPENDING UPON SEASONAL CONDITIONS, AS DETERMINED BY THE ENGINEER.
3.FALL PLANTING IS NOT ALLOWED FOR BARE ROOT FORM OF THE FOLLOWING SPECIES: HAWTHORN, DOGWOOD, POPLAR, HACKBERRY, LINDEN, IRONWOOD, HONEYLOCUST, BIRCH, MOUNTAIN ASH, MAPLE, WILLOW, CRABAPPLE, PLUM/CHERRY, OAKS, AND SUMAC.
4.ALL REPLACEMENT PLANTS MUST BE INSTALLED DURING THE MONTH OF MAY DURING THE FIRST YEAR OF THE PLANT ESTABLISHMENT PERIOD.

PLANTING DATES BY ZONE						
KEY	SPRING				FALL	
	DECIDUOUS	CONIFEROUS	PERENNIALS	SEEDLINGS	DECIDUOUS	CONIFEROUS
③	APRIL 21 TO JUNE 1	APRIL 21 TO JUNE 1	MAY 1 TO JUNE 15	APRIL 21 TO JUNE 1	OCT. 1 TO NOV. 1	AUG. 25 TO SEPT. 15
④	APRIL 7 TO JUNE 1	APRIL 7 TO MAY 17	MAY 1 TO JUNE 15	APRIL 7 TO MAY 17	OCT. 10 TO NOV. 15	AUG. 25 TO SEPT. 15

PLANT INSTALLATION PERIOD

(MnDOT 2571.3F2)

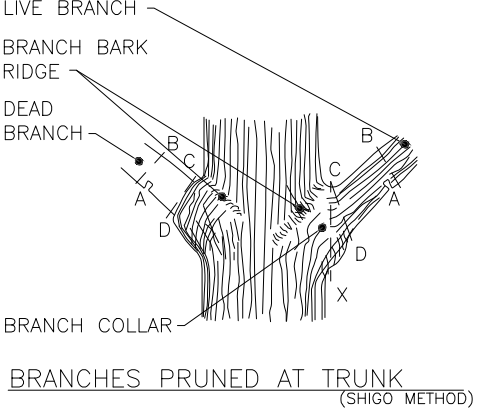


FOR ALL PLANT STOCK, DOCUMENT ACCEPTABILITY FOR HARDINESS IN THE MINNESOTA ZONE WHERE THE PROJECT SITE IS LOCATED, AS FOLLOWS:

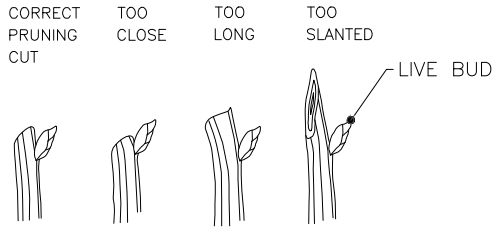
- A.PLANT STOCK CONTINUOUSLY GROWN FOR AT LEAST THE LAST TWO YEARS WITHIN THE ACCEPTABLE LIMITS SHOWN.
- OR
- B.PLANT STOCK, GROWN OUTSIDE THE ACCEPTABLE GROWING RANGE LIMITS, HAVING SEED SOURCE OR ROOT AND GRAFT STOCK ORIGINATING FROM THE ACCEPTABLE LIMITS SHOWN.

ACCEPTABLE PLANT STOCK GROWING RANGE LIMITS

SOURCE: USDA PLANT HARDINESS ZONE MAP (MnDOT 3861.2C)



BRANCHES PRUNED AT TRUNK (SHIGO METHOD)



BRANCHES PRUNED TO LIVE BUD

PRUNING

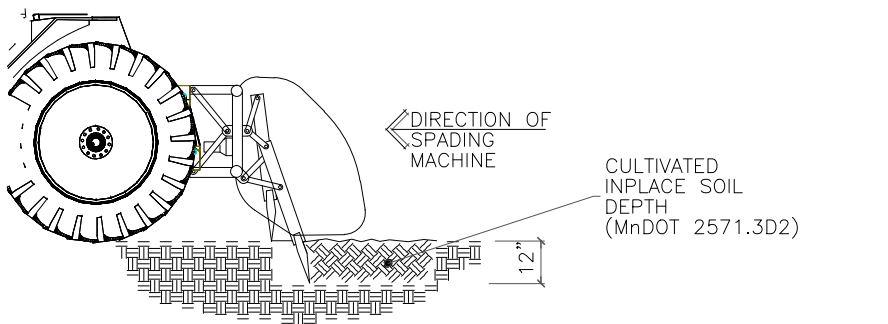
- STEPS TO PRUNING WITH PRUNING SAW:
- 1.CUT PART WAY THROUGH THE BRANCH AT POINT A.
 - 2.CUT COMPLETELY THROUGH BRANCH FROM POINT B TO A.
 - 3.AT BRANCH COLLAR CUT FROM POINT C TO D.

INCORRECT CUT FROM POINT C TO X (TOO CLOSE) WILL RESULT IN DISCONTINUOUS CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

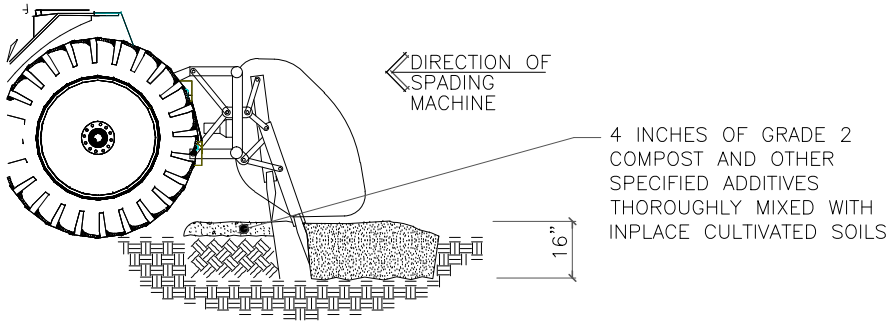
CORRECT CUT FROM POINT C TO D (LEAVING BRANCH COLLAR BUT NOT THE STUB FROM POINT B TO A) WILL RESULT IN CONTINUOUS DOUGHNUT SHAPED CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

- PRUNING NOTES:
- 1.PRUNE USING CLEAN AND SHARP SCISSOR-TYPE PRUNER OR PRUNING SAW.
 - 2.THE BEST TIME TO PRUNE IS LATE DORMANT SEASON OR EARLY SPRING.
 - 3.AVOID PRUNING OAKS IN APRIL, MAY, JUNE OR JULY.
 - 4.IF PRUNING IS NECESSARY OR IF WOUNDS OCCUR TO OAK TREES IN APRIL, MAY, JUNE OR JULY, IMMEDIATELY PAINT CUT SURFACE OR WOUND WITH LATEX PAINT OR SHELLAC.

(MnDOT 2571.3K2a9 and 2571.3E1)



PRIMARY TILLAGE - PASS 1



INCORPORATION TILLAGE - PASS 2

PLANTING SOIL

(MnDOT 2571.3D2)

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn



60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 9
LANDSCAPE DETAILS
SHEET 1

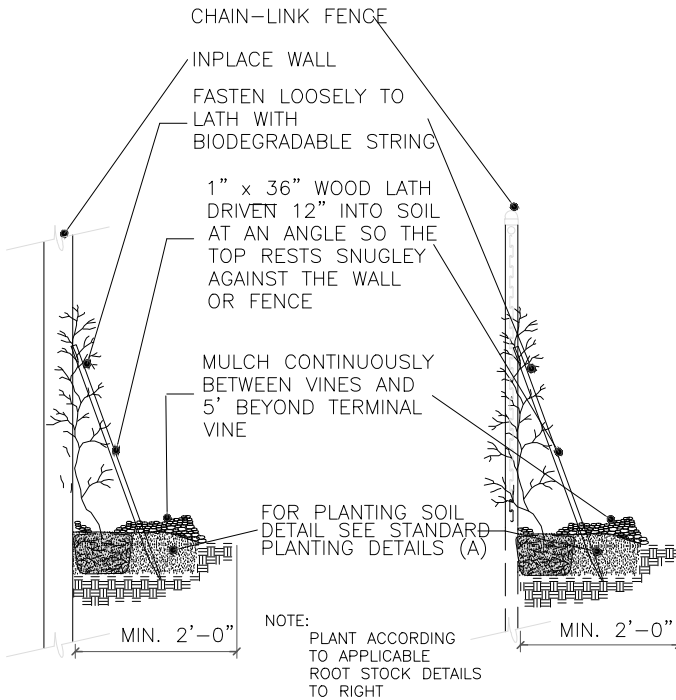
DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E0-LAN-DTL - 001

SHEET
81
OF
85

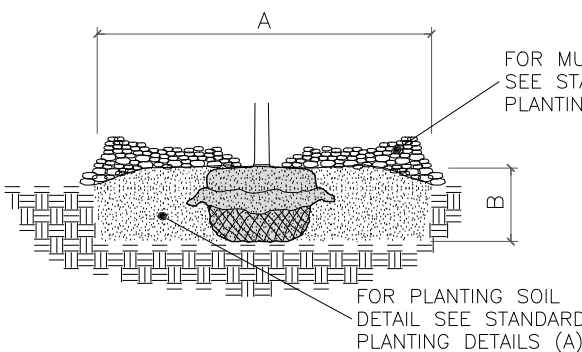
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PLANTING HOLE DIMENSIONS			
HOLE DEPTH FOR B&B AND CONTAINER PLANTS SHALL NOT EXCEED MEASUREMENT FROM ROOT FLAIR TO BOTTOM OF SOIL BALL.			
PLANT TYPE	PLANT SIZE UP TO AND INCLUDING	(A) MINIMUM HOLE WIDTH	(B) APPROXIMATE HOLE DEPTH
DECIDUOUS & ORNAMENTAL TREES	3' B.R.	46"	13"
	4' B.R.	46"	14"
	5' B.R.	48"	14"
	6' B.R.	54"	15"
	7' B.R.	60"	16"
	8' B.R.	66"	19"
	0.75" B.R.	48"	12"
	1" B.R.	54"	14"
	1.25" B.R.	60"	14"
	1.5 B.R.	66"	15"
	1.75" B.R.	72"	16"
	2" B.R.	84"	19"
	4' B.B.	42"	11"
	5' B.B.	48"	12"
	6' B.B.	52"	14"
	8' B.B.	66"	16"
	10' B.B.	66"	16"
	12' B.B.	48"	16"
	1" B.B.	54"	14"
	1.25" B.B.	56"	15"
	1.5" B.B.	61"	15"
	1.75" B.B.	66"	16"
	2" B.B.	72"	16"
	2.5" B.B.	84"	19"
	3" B.B.	96"	20"
	3.5" B.B.	114"	23"
	4" B.B.	126"	25"
DECIDUOUS SHRUBS, ROSES AND PERENNIALS	12" B.R.	24"	7"
	15" B.R.	28"	8"
	18" B.R.	30"	8"
	2' B.R.	33"	9"
	3' B.R.	42"	11"
	4' B.B.	48"	12"
	5' B.B.	54"	14"
	6' B.R.	60"	14"
PERENNIAL HOLE DEPTH AND WIDTH SHALL BE BASED UPON ON-CENTER SPACING IN A CONTINUOUS TRENCH.	18" B.B.	27"	7"
	2' B.B.	30"	8"
	3' B.B.	36"	9"
	4' B.B.	42"	11"
	5' B.B.	48"	12"
	6' B.B.	54"	14"



WALL INSTALLATION FENCE INSTALLATION

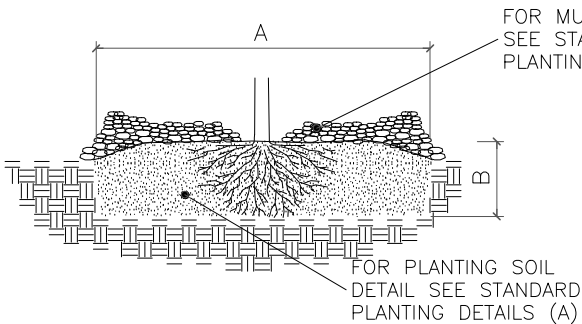
INSTALLATION OF VINES



- 1.SCARIFY SIDES AND BOTTOM OF HOLE.
- 2.PROCEED WITH CORRECTIVE PRUNING.
- 3.SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL PLANT SO THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE WITH BURLAP AND WIRE BASKET, (IF USED), INTACT.
- 4.SLIT REMAINING TREATED BURLAP AT 6" INTERVALS.
- 5.BACKFILL TO WITHIN APPROXIMATELY 12" OF THE TOP OF THE ROOTBALL, THEN WATER PLANT.
- 6.REMOVE THE TOP 1/3 OF THE BASKET OR THE TOP TWO HORIZONTAL RINGS WHICHEVER IS GREATER. REMOVE ALL BURLAP AND NAILS FROM THE TOP 1/3 OF THE BALL. REMOVE ALL TWINE. REMOVE OR CORRECT STEM GIRDLING ROOTS.

- 7.PLUMB AND BACKFILL WITH PLANTING SOIL.
- 8.WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
- 9.BACK FILL VOIDS AND WATER A SECOND TIME.
- 10.PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

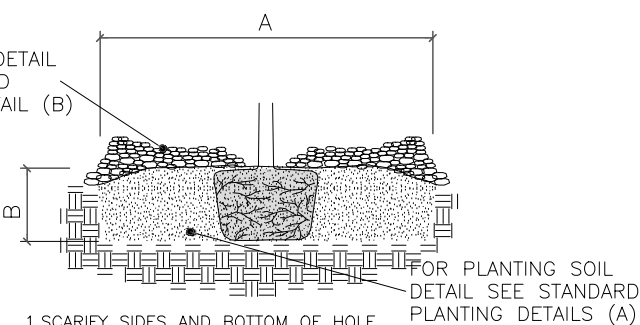
BALLED & BURLAPPED STOCK



- 1.SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
- 2.SCARIFY SIDES AND BOTTOM OF HOLE.
- 3.PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND ROOTS.
- 4.TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH PLANTING SOIL.
- 5.WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
- 6.BACK FILL VOIDS AND WATER A SECOND TIME.
- 7.PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

BARE ROOT STOCK

INSTALLATION OF PLANTS

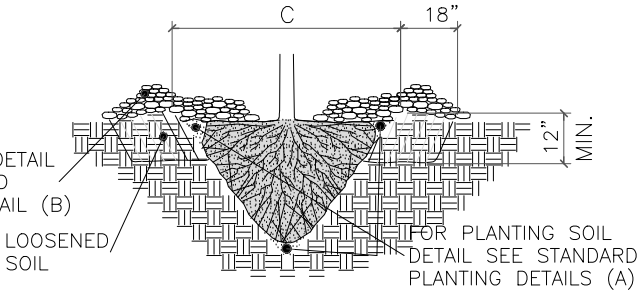


- 1.SCARIFY SIDES AND BOTTOM OF HOLE.
- 2.PROCEED WITH CORRECTIVE PRUNING OF TOP AND ROOT.
- 3.REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND PREVENT CIRCLING FIBROUS ROOTS. REMOVE OR CORRECT STEM GIRDLING ROOTS.

- 4.SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL PLANT SO THE TOP OF THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE.

- 5.PLUMB AND BACKFILL WITH PLANTING SOIL.
- 6.WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
- 7.BACK FILL VOIDS AND WATER A SECOND TIME.
- 8.PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

CONTAINER STOCK



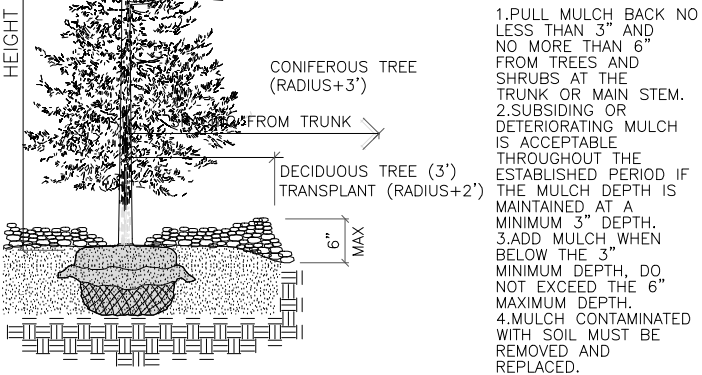
- 1.SCARIFY SIDES AND BOTTOM OF HOLE.
- 2.PROCEED WITH CORRECTIVE PRUNING.
- 3.SET PLANT ON NATIVE SOIL AT SAME DEPTH AS IT WAS PREVIOUSLY GROWN.
- 4.PLUMB AND BACKFILL WITH PLANTING SOIL.
- 5.AFTER PLANTING, LOOSEN THE SOIL IMMEDIATELY ADJACENT TO THE ROOT BALL TO A MINIMUM DISTANCE OF 18" AND A MINIMUM DEPTH OF 12".
- 6.WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
- 7.BACK FILL VOIDS AND WATER A SECOND TIME.
- 8.PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

MINIMUM TREE SPADE SIZE REQUIREMENTS			
(C) SPADE DIAMETER SIZE	OAK TREE, CALIPER	DECIDUOUS/ ORNAMENTAL TREE,CALIPER	CONIFEROUS TREE, HEIGHT
42"	1" to 1.5"	2" to 3"	5' to 7'
60"	1.5" to 2.5"	3" to 4"	7' to 9'
78"	2.5" to 3.5"	4" to 6"	9' to 14'
85"	3.5" to 5"	6" to 8"	14' to 18'

MACHINE MOVED STOCK

PLANTING HOLE DIMENSIONS			
HOLE DEPTH FOR B&B AND CONTAINER PLANTS SHALL NOT EXCEED MEASUREMENT FROM ROOT FLAIR TO BOTTOM OF SOIL BALL.			
PLANT TYPE	PLANT SIZE UP TO AND INCLUDING	(A) MINIMUM HOLE WIDTH	(B) APPROXIMATE HOLE DEPTH
CONIFEROUS TREES	2' B.B	36"	10"
	3' B.B	42"	11"
	4' B.B	51"	13"
	5' B.B	60"	13"
	6' B.B	66"	15"
	7' B.B	72"	16"
	8' B.B	81"	18"
	9' B.B	90"	20"
	10' B.B	102"	21"
	12' B.B	114"	24"
CONIFEROUS SHRUBS (UPRIGHT)	18" B.B.	24"	7"
CONIFEROUS SHRUBS (SPREADING)	3' B.B.	48"	12"
CONTAINER GROWN PLANTS	CELLPACKS / PLUGS	6"	2.5"
	2.25" CONT.	7"	3"
	3.5" CONT.	10"	3"
	4" CONT.	11"	4"
	4.5" CONT.	13"	4"
	6"/1 QT. CONT.	15"	5.5"
	1# CONT.	18"	6"
	2# CONT.	23"	7.5"
	3# CONT.	29"	8.5"
	5# CONT.	30"	11"
	7# CONT.	37"	11"
	15# CONT.	44"	14"
	10# CONT.	45"	15"
	20# CONT.	60"	16"
	25# CONT.	72"	17"
SEEDLINGS	6" SEEDLING	15"	14"
	9" SEEDLING	18"	14"
	12" SEEDLING	23"	16"
	18" SEEDLING	30"	16"
	2' SEEDLING	36"	18"
VINES	1 YR. MED B.R.	15"	11"
	1 YR. NO. 1 B.R.	17"	14"
	2 YR. MED. B.R.	33"	12"
	2 YR. NO. 1 B.R.	42"	15"

MULCH AREA CALCULATOR	
TYPE OF PLANT	SQ. FT. PER PLANT
CONIFEROUS TREES	$\left[\left(\frac{3}{2} \times \text{HEIGHT}\right) + 3\right]^2 \times \pi$
DECIDUOUS AND ORNAMENTAL TREES	$3^2 \times \pi$
CONIFEROUS AND DECIDUOUS SHRUBS, ROSE BUSHES, PERENNIALS, ORNAMENTAL GRASS	SPACING x SPACING
VINES	SPACING x 2
MACHINE-MOVED TREES OR SHRUBS	$\left[\left(\frac{\text{SPADE DIAMETER}}{2}\right) + 1\right]^2 \times \pi$
$\pi = 3.1416$	



MULCH PLACEMENT

(MnDOT 2571.3F)

(MnDOT 2571.3H)

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



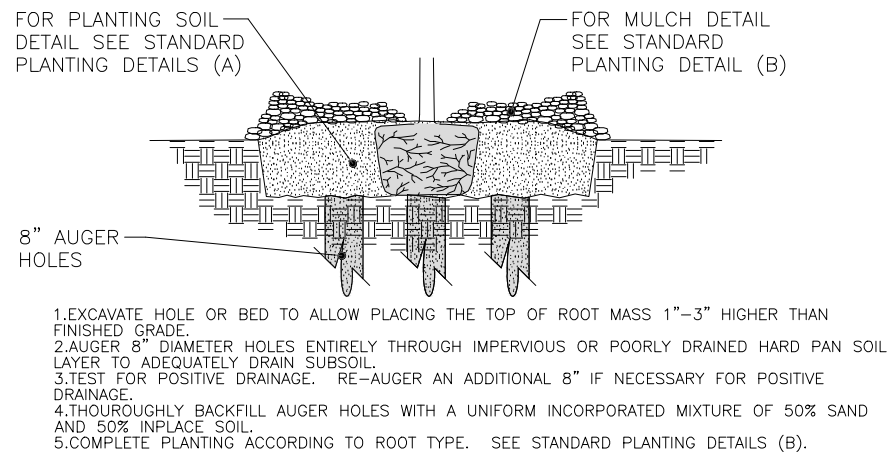
CIVIL EAST - VOLUME 9
LANDSCAPE DETAILS
SHEET 2

DISCIPLINE:
LANDSCAPE ARCH

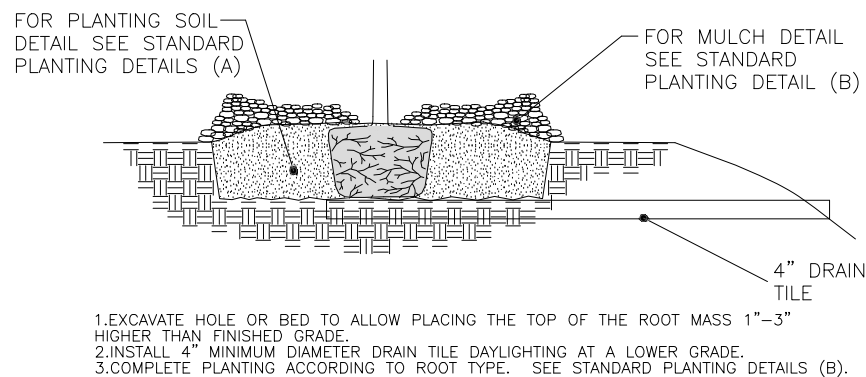
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SHEET
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OF
85

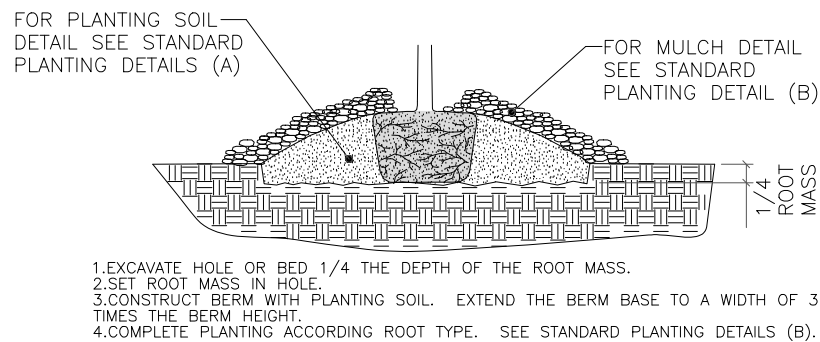
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INSTALL GRANULAR FILTER



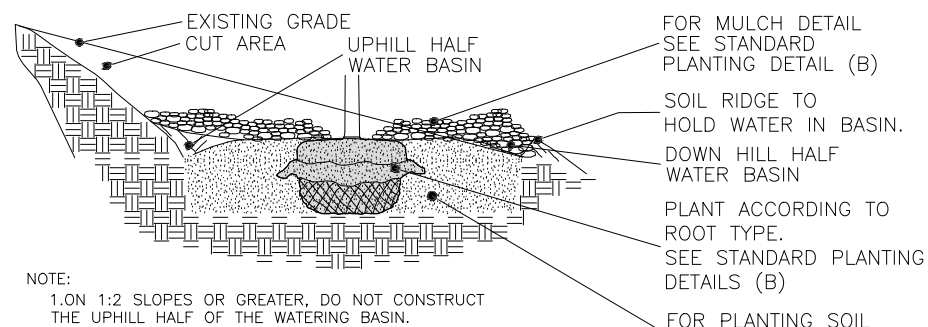
INSTALL TILE DRAINAGE



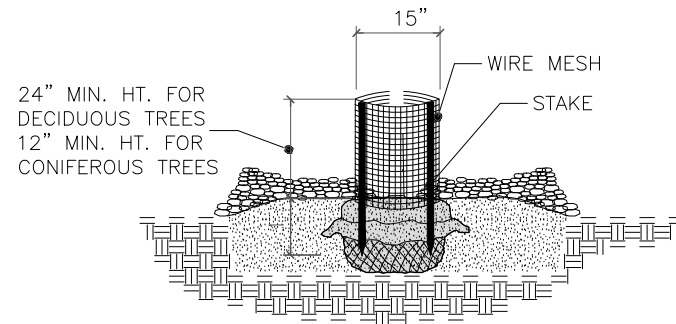
INSTALL MINI-BERM

NOTE:
1.THE NEED FOR USING PLANTING DETAILS FOR POORLY DRAINED SOILS AND WHICH TYPE TO USE ARE DETERMINED BY THE CONTRACTOR, SUBJECT TO ENGINEER APPROVAL.

PLANTING DETAIL FOR POORLY DRAINED SOILS (MnDOT 2571.3D2 (STEP 8))

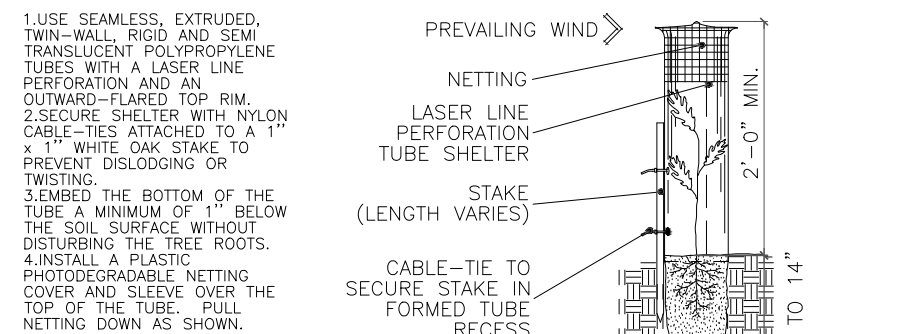


PLANTING ON SLOPES



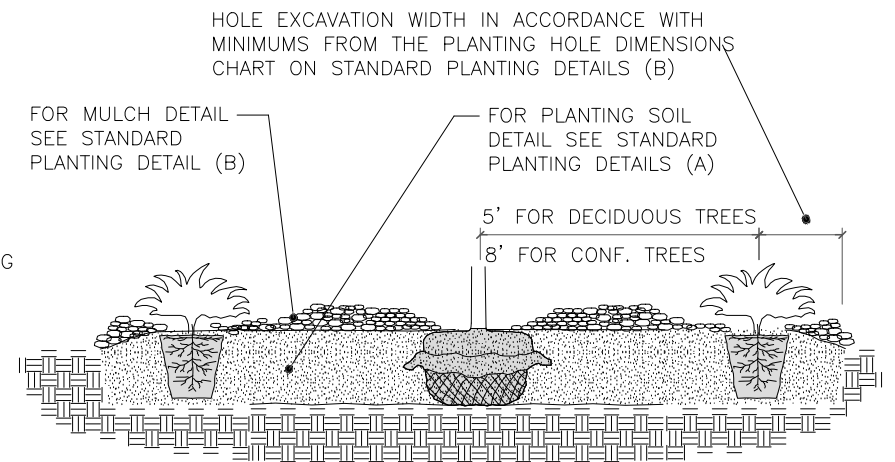
RODENT PROTECTION

(MnDOT 2571.3I2)

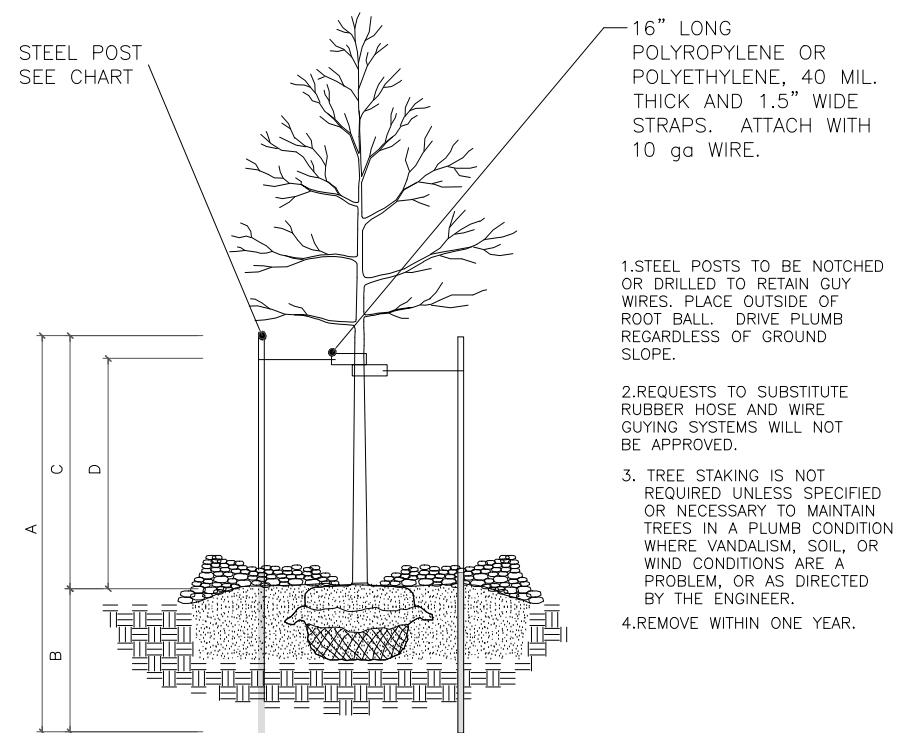


SEEDLING TREE SHELTER

(MnDOT 2571.3I4)



PLANT SPACING IN MASS BEDS



STAKING AND GUYING

(MnDOT 2571.3I1)

STEEL POST SIZING					
CALIPER	STEEL POST TYPE	A	B	C	D
LESS THEN 4 INCHES	ROLLED STEEL FENCE POST (MnDOT 3403) OR APPROVED EQUAL.	7'-0"	3'-0" MIN.	4'-0"	3'-0"
GREATER THEN 4 INCHES	10', 2.2 LB. FLANGED CHANNEL STEEL SIGN POST (MnDOT 3401) OR APPROVED EQUAL.	10'-0"	4'-0" MIN.	6'-0"	5'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

**METROPOLITAN COUNCIL**

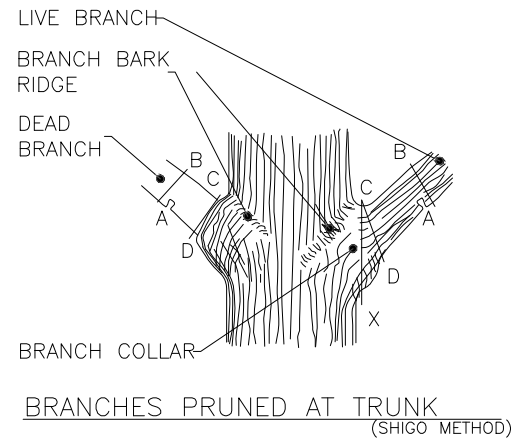
**SOUTHWEST**
Green Line LRT Extension

CIVIL EAST - VOLUME 9
LANDSCAPE DETAILS
SHEET 3

DISCIPLINE: **LANDSCAPE ARCH** SHEET NAME: **E0-LAN-DTL - 003**

SHEET 83 OF 85

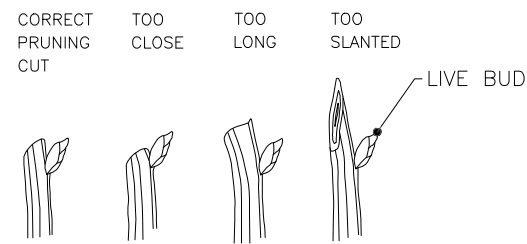
Sep. 21 2015 12:03 pm V:\3400_ADC\CAD\CAD\00_EAST\PLANSHEETS\LANDSCAPE\EO-LAN-DTL.dwg By: V-MozzetBR



STEPS TO PRUNING WITH PRUNING SAW:
1.CUT PART WAY THROUGH THE BRANCH AT POINT A.
2.CUT COMPLETELY THROUGH BRANCH FROM POINT B TO A.
3.AT BRANCH COLLAR CUT FROM POINT C TO D.

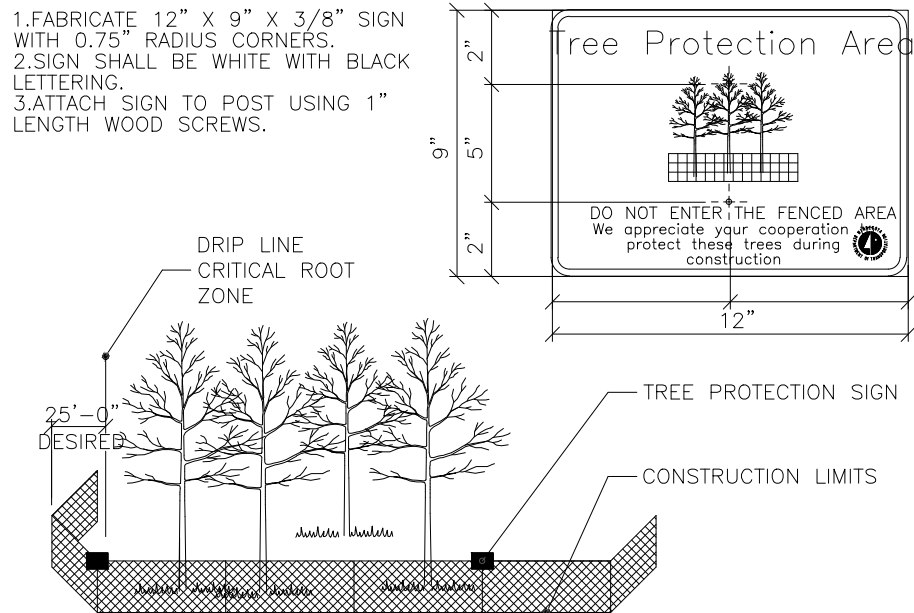
INCORRECT CUT FROM POINT C TO X (TOO CLOSE) WILL RESULT IN DISCONTINUOUS CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

CORRECT CUT FROM POINT C TO D (LEAVING BRANCH COLLAR BUT NOT THE STUB FROM POINT B TO A) WILL RESULT IN CONTINUOUS DOUGHNUT SHAPED CALLUS FORMATION AFTER ONE SEASON OF GROWTH.



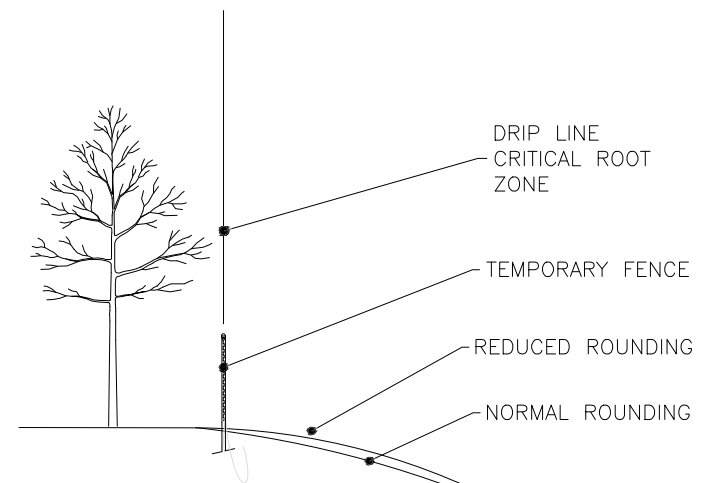
BRANCHES PRUNED TO LIVE BUD
PRUNING

PRUNING NOTES:
1.PRUNE USING CLEAN AND SHARP SCISSOR-TYPE PRUNER OR PRUNING SAW.
2.THE BEST TIME TO PRUNE IS LATE DORMANT SEASON OR EARLY SPRING.
3.AVOID PRUNING OAKS IN APRIL, MAY, JUNE OR JULY.
4.IF PRUNING IS NECESSARY OR IF WOUNDS OCCUR TO OAK TREES IN APRIL, MAY, JUNE OR JULY, IMMEDIATELY PAINT CUT SURFACE OR WOUND WITH LATEX PAINT OR SHELLAC.



1.FURNISH AND INSTALL TEMPORARY FENCE AT THE TREE'S DRIPLINE OR CONSTRUCTION LIMITS AS SPECIFIED, PRIOR TO ANY CONSTRUCTION.
2.WHEN POSSIBLE PLACE FENCE 25 FEET BEYOND THE DRIPLINE.
3.PLACE TREE PROTECTION SIGNS ALONG FENCE AT 50' INTERVALS.

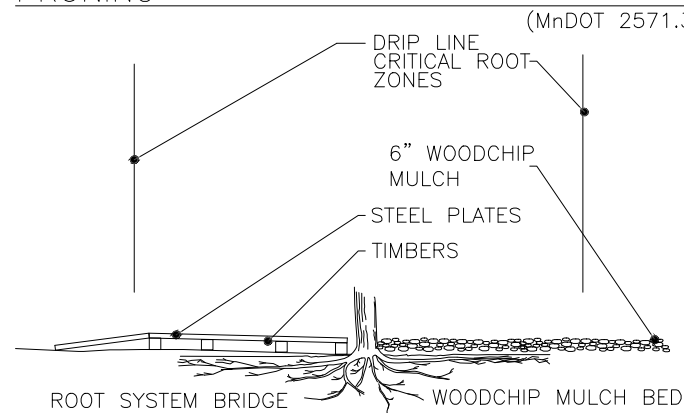
TEMPORARY FENCE



SIGNIFICANT TREES NEAR THE PROPOSED CONSTRUCTION LIMITS WILL BE IDENTIFIED IN THE PLAN OR BY THE ENGINEER AND WILL BE PRESERVED BY THE CONTRACTOR.

1.PLACE THE TEMPORARY FENCE.
2.REDUCE SLOPE ROUNDING WHERE ROOT ZONES ARE DISTURBED BY NORMAL SLOPE ROUNDING.
3.VARY BACKSLOPE STEEPNESS TO AVOID TREE LOSS OR UNNECESSARY ROOT DAMAGE.

SLOPE ROUNDING



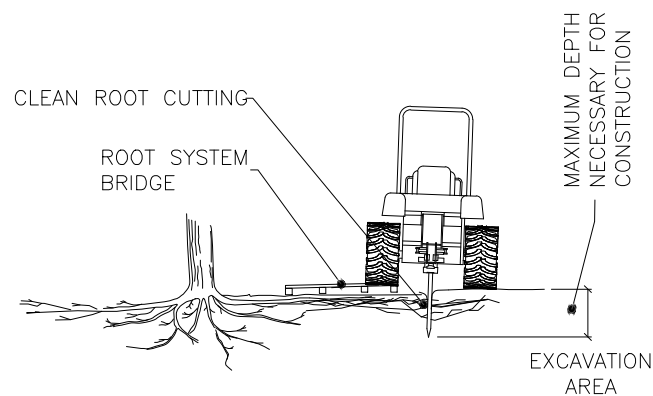
IF CONSTRUCTION VEHICLES MUST PASS OVER ROOT ZONES, THE CONTRACTOR MUST EITHER:

1.CONSTRUCT ROOT SYSTEM BRIDGES WITH STEEL PLATE SUPPORTED ON WOOD TIMBERS PLACED RADIALLY TO THE TREE TRUNK.

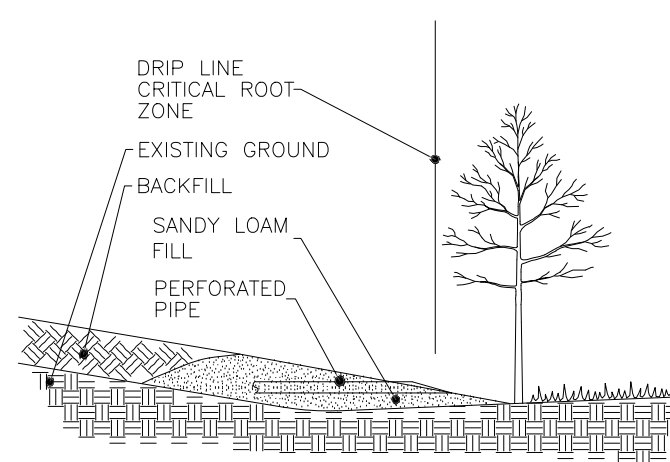
OR

2.PLACE A 6 INCH LAYER OF WOODCHIP MULCH OVER A TYPE III GEOTEXTILE (MnDOT 3733)..

OTHER VEGETATION PROTECTION MEASURES
CLEAN ROOT CUTTING



1.WHEN DESIGNATED IN THE PLAN OR DIRECTED BY THE ENGINEER, PRIOR TO EXCAVATION, ALL TREE ROOTS WILL BE CLEANLY CUT BY A VIBRATORY PLOW OR OTHER APPROVED ROOT CUTTER.
2.THE TREE ROOTS WILL BE CUT CLEANLY TO THE MAXIMUM DEPTH NECESSARY FOR CONSTRUCTION.
3.IMMEDIATELY, AND CLEANLY CUT DAMAGED AND EXPOSED ROOTS.
4.ROOT ENDS EXPOSED BY EXCAVATION ACTIVITIES SHALL BE IMMEDIATELY COVERED WITH A 6" LAYER OF ADJACENT SOIL.



1.ANY FILL REQUIRED WITHIN THE DRIPLINE OF TREES, IS UNCOMPACTED SANDY LOAM TOPSOIL (WITH A COARSE SAND COMPONENT).
2.EXCESSIVE FILL MAY REQUIRE INSTALLING PERFORATED PIPE WITH AT LEAST ONE DAYLIGHTED END OPENING AS AN AERATION SYSTEM.

SANDY LOAM TOPSOIL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 9
LANDSCAPE DETAILS
SHEET 4**

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E0-LAN-DTL - 004

SHEET
84
OF
85

Sep. 21 2015 12:03 pm V:\3400_ADC\CAD\00_EAST\PLANSHEETS\LANDSCAPE\E0-LAN-DTL.dwg By: V-MozzetBR

DECIDUOUS TREES

BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
<i>Acer miyabei</i> 'Morton'	STATE STREET MIYABE MAPLE	2.5" CAL.	B&B	
<i>Acer platanoides</i> 'Crimson Sentry'	CRIMSON SENTRY MAPLE	2.5" CAL.	B&B	
<i>Acer rubrum</i>	RED MAPLE	2.5" CAL.	B&B	
<i>Acer rubrum</i> 'Bowhall'	BOWHALL MAPLE	2.5" CAL.	B&B	
<i>Acer saccharum</i>	SUGAR MAPLE	2.5" CAL.	B&B	
<i>Acer x freemani</i> 'Scarsen''	SCARLET SENTINEL MAPLE	2.5" CAL.	B&B	
<i>Acer x freemani</i> 'Sienna Glen'	SIENNA GLEN MAPLE	2.5" CAL.	B&B	
<i>Celtis occidentalis</i>	COMMON HACKBERRY	2.5" CAL.	B&B	
<i>Ginkgo biloba</i> 'Princeton Sentry'	PRINCETON SENTRY GINKGO	2.5" CAL.	B&B	
<i>Gymnocladus dioicus</i>	ESPRESSO KENTUCKY COFFEETREE	2.5" CAL.	B&B	
<i>Gleditsia tricanthos</i> 'Harve'	NORTHERN ACCLAIM HONEY LOCUST	2.5" CAL.	B&B	
<i>Gleditsia tricanthos</i> 'Imperial'	IMPERIAL HONEY LOCUST	2.5" CAL.	B&B	
<i>Gleditsia tricanthos inermis</i> 'Skycole'	SKYLINE HONEYLOCUST	2.5" CAL.	B&B	
<i>Populus tremuloides</i>	QUAKING ASPEN	#25	CONT.	
<i>Quercus bicolor</i>	SWAMP WHITE OAK	2.5" CAL.	B&B	
<i>Quercus macrocarpa</i>	BUR OAK	2.5" CAL.	B&B	
<i>Tilia americana</i> 'Redmond'	BASSWOOD	2.5" CAL.	B&B	
<i>Ulmus americana</i> 'Princeton'	PRINCETON ELM	2.5" CAL.	B&B	
<i>Ulmus davidiana japonica</i> 'Discovery'	DISCOVERY ELM	2.5" CAL.	B&B	
<i>Ulmus x 'Cathedral'</i>	CATHEDRAL ELM	2.5" CAL.	B&B	

CONIFEROUS TREES

BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
<i>Picea glauca</i> 'Densata'	BLACK HILLS SPRUCE	8' HT.	B&B	
<i>Picea pungens</i>	COLORADO BLUE SPRUCE	8' HT.	B&B	
<i>Picea pungens</i> 'fastigiata'	COLUMNAR COLORADO BLUE SPRUCE	8' HT.	B&B	
<i>Pinus nigra</i>	AUSTRIAN PINE	8' HT.	B&B	
<i>Pinus sylvestris</i>	SCOTCH PINE	8' HT.	B&B	
<i>Pinus strobus</i>	EASTERN WHITE PINE	8' HT.	B&B	

ORNAMENTAL TREES

BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
<i>Amelanchier</i> 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	6' HT.	B&B	CLUMP MULTISTEM
<i>Malus</i> 'Pink Spires'	PINK SPIRES FLOWERING CRAB	2" CAL.	B&B	SINGLE STRAIGHT LEADER
<i>Sorbus decora</i>	SHOWY MOUNTAIN ASH	2" CAL.	B&B	SINGLE STRAIGHT LEADER
<i>Syringa reticulata</i> 'Ivory Silk'	IVORY SILK JAPANESE TREE LILAC	6' HT.	B&B	CLUMP MULTISTEM
<i>Betula populifolia</i> 'Whitespire'	WHITESPIRE BIRCH	6' HT.	B&B	CLUMP MULTISTEM

CONIFEROUS SHRUBS

BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
<i>Juniperus chinensis</i> 'Maney'	MANEY JUNIPER	18" SPRD.	CONT.	
<i>Juniperus squamata</i> 'Blue Star'	BLUE STAR JUNIPER	#3	CONT.	
<i>Taxus x media</i> 'Taunton'	TAUNTON YEW	#3	CONT.	

VINES

BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
<i>Parthenocissus tricuspidata</i> 'Robusta'	BOSTON IVY	#1	CONT.	SPACING PER PLANS
<i>Clematis</i> sp.	CLEMATIS	#1	CONT.	SPACING PER PLANS

DECIDUOUS SHRUBS

BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
<i>Amelanchier alnifolia</i> 'Regent'	REGENT SERVICEBERRY	#5	CONT.	
<i>Amelanchier canadensis</i>	SHADBLOW SERVICEBERRY	#5	CONT.	
<i>Aronia melanocarpa</i> 'Morton'	IRIQUOIS BEAUTY CHOKEBERRY	#5	CONT.	
<i>Cornus alba</i> 'Ivory Halo'	IVORY HALO DOGWOOD	#5	CONT.	
<i>Cornus racemosa</i>	GRAY DOGWOOD	#5	CONT.	
<i>Diervilla lonicera</i> 'Copper'	COPPER DWARF BUSH HONEYSUCKLE	#5	CONT.	
<i>Ilex verticillata</i> 'Afterglow'	AFTERGLOW WINTERBERRY	#5	CONT.	
<i>Ilex verticillata</i> 'Jim Dandy'	JIM DANDY WINTERBERRY	#5	CONT.	
<i>Physocarpys opulifolius</i> 'Dart's Gold'	DART'S GOLD NINEBARK	#5	CONT.	
<i>Potentilla fruticosa</i> 'Gold Drop'	GOLD DROP POTENTILLA	#5	CONT.	
<i>Rhododendron</i> 'Golden Lights'	DECIDUOUS AZALEA	#5	CONT.	
<i>Rhus aromatica</i> 'Grow-Low'	GROW-LOW FRAGRANT SUMAC	#5	CONT.	
<i>Ribes alpinum</i> 'Green Mound'	GREEN MOUND ALPINE CURRANT	#5	CONT.	
<i>Rosa rugosa</i> 'Pavement Foxi'	FOX PAVEMENT ROSE	#5	CONT.	
<i>Rosa rugosa</i> 'Pavement Purple'	PURPLE PAVEMENT ROSE	#5	CONT.	
<i>Salix purpurea</i> 'Nana'	CREEPING ARCTIC WILLOW	#5	CONT.	
<i>Sorbaria sorbifolia</i> 'Sem'	SEM FALSE SPIREA	#5	CONT.	
<i>Spiraea japonica</i> 'Alpina'	DAPHNE SPIREA	#5	CONT.	
<i>Spiraea x bumalda</i> 'Goldflame'	GOLDFLAME SPIREA	#5	CONT.	
<i>Cornus sericea</i> 'Baileyi'	RED-TWIG DOGWOOD	#5	CONT.	
<i>Syringa meyeri</i> 'Palibin'	DWARF KOREAN LILAC	#5	CONT.	
<i>Viburnum dentatum</i> 'Christom'	BLUE MUFFIN VIBURNUM	#5	CONT.	
<i>Viburnum lentago</i>	NANNYBERRY VIBURNUM	#5	CONT.	

PERENNIALS AND ORNAMENTAL GRASSES

BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
<i>Ajuga reptans</i> 'Burgundy Gold'	BUGLEWEED	#1	CONT.	PLANT 24" O.C.
<i>Aster novae-angliae</i> 'Purple Dome'	PURPLE DOME ASTER	#1	CONT.	PLANT 24" O.C.
<i>Aster</i> 'Woods Glow'	WOODS GLOW ASTER	#1	CONT.	PLANT 24" O.C.
<i>Calamagrostis acutifolia</i>	FEATHER REED GRASS	#1	CONT.	PLANT 24" O.C.
<i>Calamagrostis</i> x 'Karl Foerster'	KARL FOERSTER GRASS	#1	CONT.	PLANT 30" O.C.
<i>Echinacea</i> 'Big Sky Twilight'	BIG SKY PURPLE CONEFLOWER	#1	CONT.	PLANT 24" O.C.
<i>Echinacea purpurea</i>	PURPLE CONEFLOWER	#1	CONT.	PLANT 24" O.C.
<i>Heemerocallis</i> 'Happy Returns'	HAPPY RETURNS DAYLILY	#1	CONT.	PLANT 24" O.C.
<i>Heemerocallis</i> 'Rosy Returns'	ROSY RETURNS DAYLILY	#1	CONT.	PLANT 24" O.C.
<i>Heemerocallis</i> 'Stella d' Oro'	STELLA D'ORO DAYLILY	#1	CONT.	PLANT 24" O.C.
<i>Iris sibirica</i> 'Caesar's Brother'	CAESAR'S BROTHER IRIS	#1	CONT.	PLANT 24" O.C.
<i>Iris sibirica</i> 'Caesar's Brother'	CAESAR'S BROTHER IRIS	#1	CONT.	PLANT 24" O.C.
<i>Miscanthus sinsensis</i> 'Purpurascens'	FLAME MAIDEN GRASS	#1	CONT.	PLANT 24" O.C.
<i>Miscanthus sinsensis</i> 'Variegatus'	VARIEGATED MAIDEN GRASS	#1	CONT.	PLANT 24" O.C.
<i>Nepeta</i> 'Walker's Low'	WALKER'S LOW CATMINT	#1	CONT.	PLANT 24" O.C.
<i>Pachysandra terminalis</i>	PACHYSANDRA	#1	CONT.	PLANT 24" O.C.
<i>Panicum virgatum</i> 'Shenandoah'	SHENANDOAH SWITCH GRASS	#1	CONT.	PLANT 24" O.C.
<i>Perovskia</i> 'Filigran'	FILIGRAN RUSSIAN SAGE	#1	CONT.	PLANT 24" O.C.
<i>Rudbeckia fulgida</i> 'Goldsturm'	GOLDSTURM BLACK-EYED SUSAN	#1	CONT.	PLANT 24" O.C.
<i>Rudbeckia hirta</i> 'Indian Summer'	INDIAN SUMMER RUDBECKIA	#1	CONT.	PLANT 24" O.C.
<i>Schizachyrium scoparium</i> 'Blue Heaven'	BLUE HEAVEN LITTLE BLUESTEM	#1	CONT.	PLANT 24" O.C.
<i>Sedum</i> x 'Autumn Joy'	AUTUMN JOY SEDUM	#1	CONT.	PLANT 24" O.C.
<i>Sporobolus heterolepis</i>	PRAIRIE DROPSEED GRASS	#1	CONT.	PLANT 24" O.C.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 9
LANDSCAPE DETAILS
PRELIMINARY PLANT SCHEDULE

DISCIPLINE:
LANDSCAPE ARCH

SHEET NAME:
E0-LAN-DTL - 005