



City and County of Honolulu
Department of Transportation Services
Rapid Transit Division (RTD)

CITY CENTER STATIONS DESIGN
CONTRACT SV-542

CHINATOWN STATION

PRELIMINARY ENGINEERING DRAWINGS

November 25, 2009

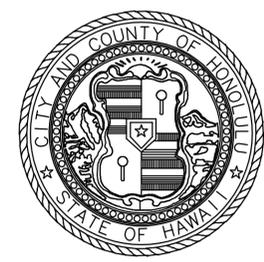
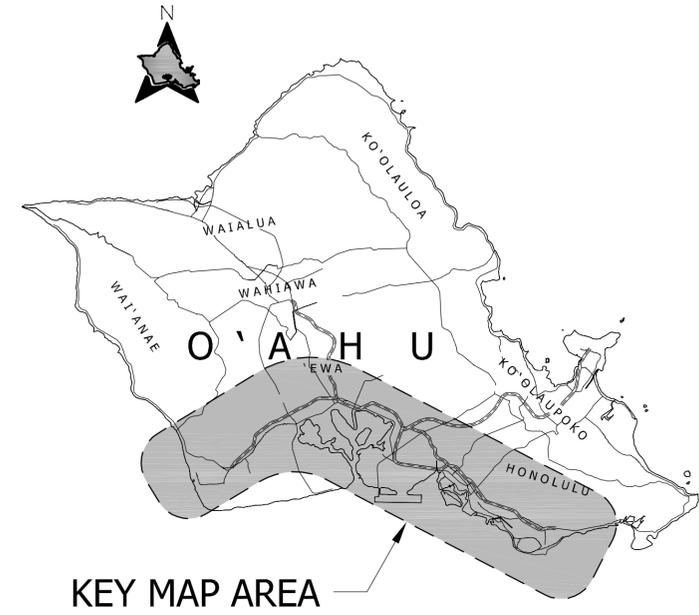
Prepared for:
HHCTCP

Prepared by:
Parsons Brinckerhoff
General Engineering Consultant (GEC)

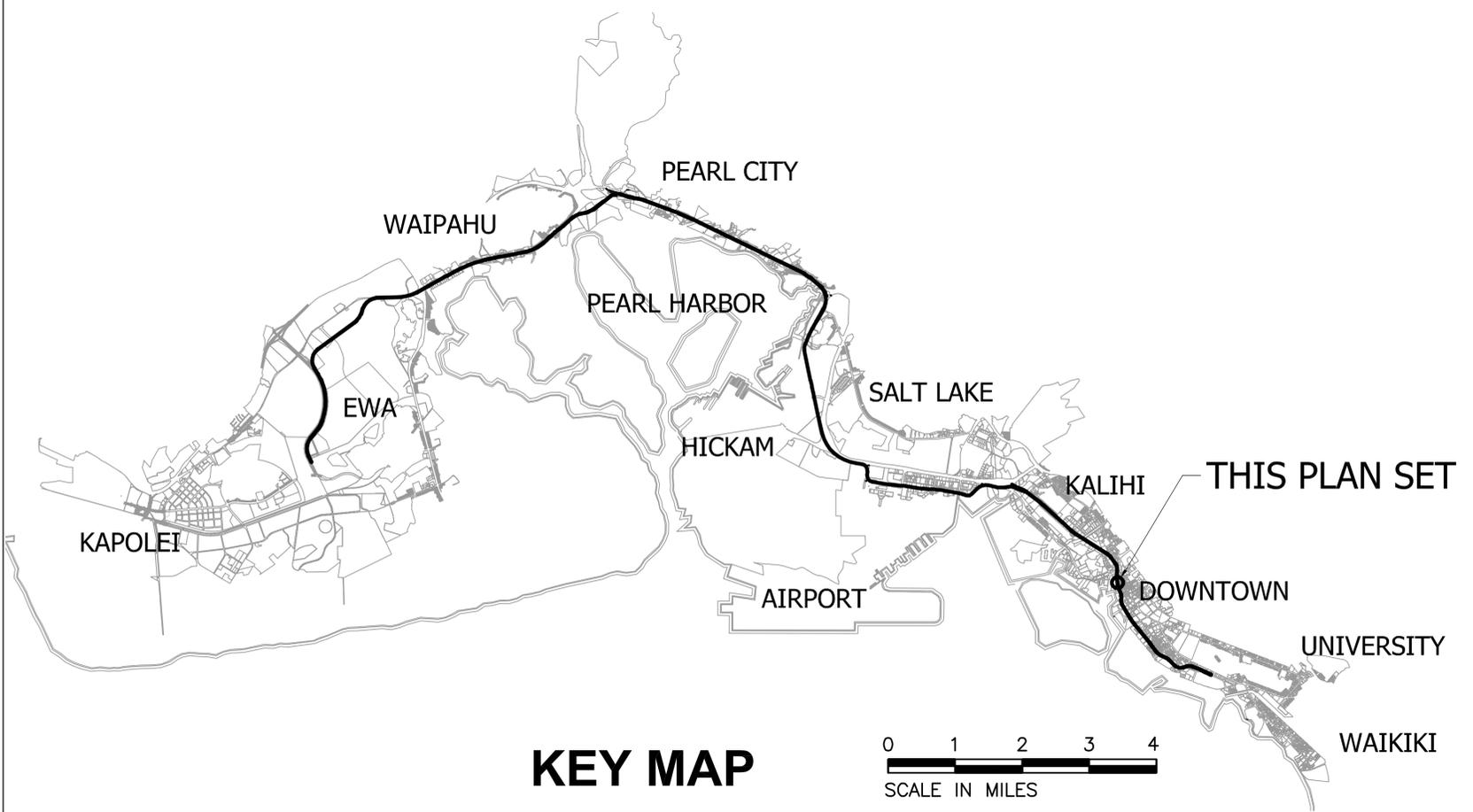
HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

CHINATOWN STATION

PRELIMINARY ENGINEERING DRAWINGS



City and County of Honolulu
 Department of Transportation Services
 Rapid Transit Division



KEY MAP

0 1 2 3 4
 SCALE IN MILES

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APPENDIX A - INFORMATIVE DRAWINGS		
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N/A	CM606	CHINATOWN STATION COMMUNICATIONS PLAN PLATFORM LEVEL

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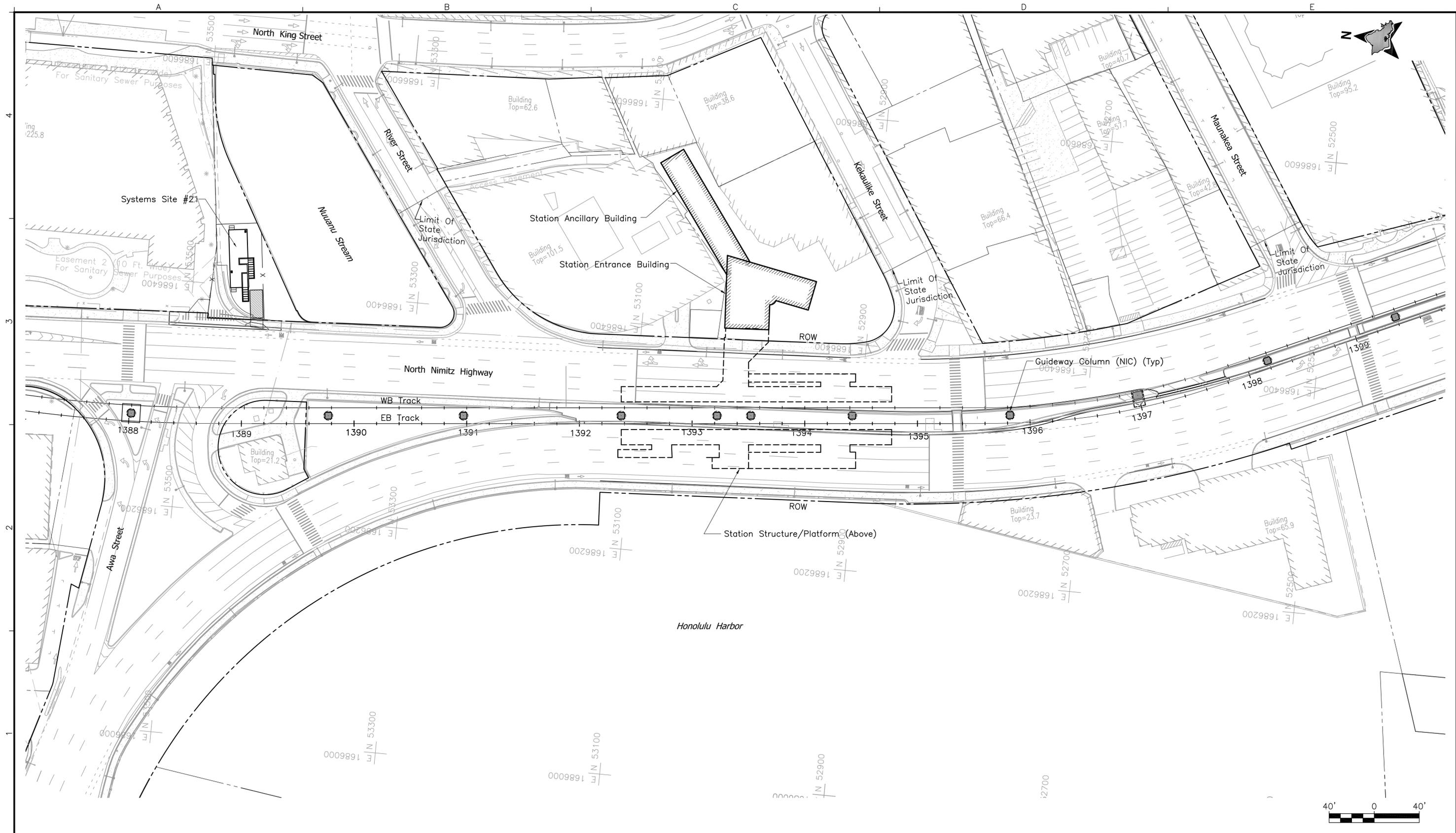
HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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Subconsultant:

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CHINATOWN STATION
INDEX OF DRAWINGS

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Page No. 2 of 53



Rev	By	Date	Description

**PRELIMINARY
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11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

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1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

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**CHINATOWN STATION
STATION AREA PLAN**

Contract No.:
SV-542
CADD File:
SG2-A04-GN004
Drawing No: GN004 Rev.
Scale:
1"=40'
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WS306	0		TRACKWORK STANDARD 33C1 GUARD RAIL FOR NO. 6 AND NO. 8 FROGS BALLASTED TRACK (115 RE RAIL)
WS307	0		TRACKWORK STANDARD SPECIAL TRACKWORK FASTENING PLATE AND ASSEMBLY CONCRETE SWITCHTIES
WS308	0		TRACKWORK STANDARD NO. 8 TURNOUT BALLASTED/ CONCRETE TIES WITH 13 FT CURVED SWITCHES (UNIFORM RISERS)
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HS003	0		CORROSION CONTROL STANDARD TYPICAL STEEL BONDING DETAILS
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HS010	0		CORROSION CONTROL STANDARD ELEVATOR CATHODIC PROTECTION DETAILS
HS011	0		CORROSION CONTROL STANDARD TESTING FACILITIES

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N/A

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Approved:
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11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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CHINATOWN STATION
STANDARD DRAWING SUMMARY
CITY AND COUNTY OF HONOLULU (RTD)

Contract No.:
SV-542

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SG2-A06-GN005

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N/A

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WD202	0		TRACKWORK DIRECTIVE BALLASTED MAINLINE DOUBLE TRACK TANGENT AND CURVED TRACK
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RTD DIRECTIVE DRAWINGS			
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WD620	0		TRACKWORK DIRECTIVE SPECIAL TRACKWORK DIRECT FIXATION CONCRETE PLINTH REINFORCING DETAILS
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AD004	0		ARCHITECTURAL DIRECTIVE HYDRAULIC ELEVATOR DESIGN REQUIREMENT AND CONFIGURATION
AD005	0		ARCHITECTURAL DIRECTIVE HOLELESS HYDRAULIC ELEVATOR DESIGN REQUIREMENT AND CONFIGURATION
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AD008	0		ARCHITECTURAL DIRECTIVE END OF PLATFORM DESIGN LAYOUT CENTER PLATFORM
AD009	0		ARCHITECTURAL DIRECTIVE STAIR/ESCALATOR DETAILS
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Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813	Subconsultant:
For reduced prints, original page size in inches: 0 1 2 3 4	

CHINATOWN STATION
DIRECTIVE DRAWING SUMMARY
CITY AND COUNTY OF HONOLULU (RTD)

SHEET 1 OF 2

Contract No.: SV-542	
CADD File: SG2-A06-GN006	
Drawing No: GN006	Rev.
Scale: N/A	
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RTD DIRECTIVE DRAWINGS

RTD DIRECTIVE DRAWINGS			
Drawing No.	Rev. No.	Applicable	Drawing Title
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AD021	0		ARCHITECTURAL DIRECTIVE DETECTABLE WARNING & PRE-WARNING STRIP DETAILS
AD022	0		ARCHITECTURAL DIRECTIVE ROLLING GRILLE DETAILS
AD023	0		ARCHITECTURAL DIRECTIVE ESCALATOR SCHEDULE SHEET 1 OF 2
AD024	0		ARCHITECTURAL DIRECTIVE ESCALATOR SCHEDULE SHEET 2 OF 2
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AD108	0		ARCHITECTURAL DIRECTIVE LONGITUDINAL & CROSS SECTIONS SIDE PLATFORM PROTOTYPE
AD109	0		ARCHITECTURAL DIRECTIVE EXTERIOR ELEVATIONS SIDE PLATFORM PROTOTYPE SHEET 1 OF 2
AD110	0		ARCHITECTURAL DIRECTIVE EXTERIOR ELEVATIONS SIDE PLATFORM PROTOTYPE SHEET 2 OF 2
AD111	0		ARCHITECTURAL DIRECTIVE PLATFORM ELEVATIONS SIDE PLATFORM PROTOTYPE
AD112	0		ARCHITECTURAL DIRECTIVE END BAY SIDE PLATFORM PROTOTYPE SHEET 1 OF 2
AD113	0		ARCHITECTURAL DIRECTIVE END BAY SIDE PLATFORM PROTOTYPE SHEET 2 OF 2
AD114	0		ARCHITECTURAL DIRECTIVE TYPICAL BAY SIDE PLATFORM PROTOTYPE SHEET 1 OF 2
AD115	0		ARCHITECTURAL DIRECTIVE TYPICAL BAY SIDE PLATFORM PROTOTYPE SHEET 2 OF 2
AD116	0		ARCHITECTURAL DIRECTIVE 'V' COLUMN ELEVATION SIDE PLATFORM PROTOTYPE
AD117	0		ARCHITECTURAL DIRECTIVE CANOPY DETAILS SIDE PLATFORM PROTOTYPE
AD118	0		ARCHITECTURAL DIRECTIVE STAIR/ELEV BRIDGE CANOPY DETAILS SIDE PLATFORM PROTOTYPE
AD119	0		ARCHITECTURAL DIRECTIVE STAIR BRIDGE CANOPY COLUMN DETAILS SIDE PLATFORM PROTOTYPE

RTD DIRECTIVE DRAWINGS			
Drawing No.	Rev. No.	Applicable	Drawing Title
ARCHITECTURAL			
AD120	0		ARCHITECTURAL DIRECTIVE GUARDRAIL DETAILS SIDE PLATFORM PROTOTYPE SHEET 1 OF 3
AD121	0		ARCHITECTURAL DIRECTIVE GUARDRAIL DETAILS SIDE PLATFORM PROTOTYPE SHEET 2 OF 3
AD122	0		ARCHITECTURAL DIRECTIVE GUARDRAIL DETAILS SIDE PLATFORM PROTOTYPE SHEET 3 OF 3
AD123	0		ARCHITECTURAL DIRECTIVE 3D VIEWS SIDE PLATFORM PROTOTYPE SHEET 1 OF 5
AD124	0		ARCHITECTURAL DIRECTIVE 3D VIEWS SIDE PLATFORM PROTOTYPE SHEET 2 OF 5
AD125	0		ARCHITECTURAL DIRECTIVE 3D VIEWS SIDE PLATFORM PROTOTYPE SHEET 3 OF 5
AD126	0		ARCHITECTURAL DIRECTIVE 3D VIEWS SIDE PLATFORM PROTOTYPE SHEET 4 OF 5
AD127	0		ARCHITECTURAL DIRECTIVE 3D VIEWS SIDE PLATFORM PROTOTYPE SHEET 5 OF 5
AD201	0		ARCHITECTURAL DIRECTIVE CONCOURSE LEVEL PLAN CENTER PLATFORM PROTOTYPE
AD202	0		ARCHITECTURAL DIRECTIVE PLATFORM LEVEL PLAN CENTER PLATFORM PROTOTYPE
AD203	0		ARCHITECTURAL DIRECTIVE ROOF PLAN CENTER PLATFORM PROTOTYPE
AD204	0		ARCHITECTURAL DIRECTIVE REFLECTED CEILING PLAN - CONCOURSE CENTER PLATFORM PROTOTYPE
AD205	0		ARCHITECTURAL DIRECTIVE REFLECTED CEILING PLAN - PLATFORM CENTER PLATFORM PROTOTYPE
AD206	0		ARCHITECTURAL DIRECTIVE FLOOR FINISH PLAN - CONCOURSE CENTER PLATFORM PROTOTYPE
AD207	0		ARCHITECTURAL DIRECTIVE FLOOR FINISH PLAN - PLATFORM CENTER PLATFORM PROTOTYPE
AD208	0		ARCHITECTURAL DIRECTIVE LONGITUDINAL & CROSS SECTIONS CENTER PLATFORM PROTOTYPE
AD209	0		ARCHITECTURAL DIRECTIVE ELEVATIONS CENTER PLATFORM PROTOTYPE
AD210	0		ARCHITECTURAL DIRECTIVE TYPICAL END BAY DETAILS CENTER PLATFORM PROTOTYPE
AD211	0		ARCHITECTURAL DIRECTIVE TYPICAL BAY DETAILS CENTER PLATFORM PROTOTYPE
AD212	0		ARCHITECTURAL DIRECTIVE 'V' COLUMN DETAILS CENTER PLATFORM PROTOTYPE SHEET 1 OF 3
AD213	0		ARCHITECTURAL DIRECTIVE 'V' COLUMN DETAILS CENTER PLATFORM PROTOTYPE SHEET 2 OF 3
AD214	0		ARCHITECTURAL DIRECTIVE 'V' COLUMN DETAILS CENTER PLATFORM PROTOTYPE SHEET 3 OF 3

RTD DIRECTIVE DRAWINGS			
Drawing No.	Rev. No.	Applicable	Drawing Title
ARCHITECTURAL			
AD215	0		ARCHITECTURAL DIRECTIVE COLUMN MISC DETAILS CENTER PLATFORM PROTOTYPE
AD216	0		ARCHITECTURAL DIRECTIVE STAIR & BRIDGE CANOPY DETAILS CENTER PLATFORM PROTOTYPE
AD217	0		ARCHITECTURAL DIRECTIVE RAILING DETAILS CENTER PLATFORM PROTOTYPE SHEET 1 OF 2
AD218	0		ARCHITECTURAL DIRECTIVE RAILING DETAILS CENTER PLATFORM PROTOTYPE SHEET 1 OF 2
AD219	0		ARCHITECTURAL DIRECTIVE 3D VIEWS CENTER PLATFORM PROTOTYPE
MECHANICAL			
MD101	0		MECHANICAL DIRECTIVE HVAC SYSTEMS
MD201	0		MECHANICAL DIRECTIVE PLUMBING AND DRAINAGE SYSTEMS
MD301	0		MECHANICAL DIRECTIVE FIRE PROTECTION SYSTEMS
MD401	0		MECHANICAL DIRECTIVE SEISMIC AND WIND INDICATOR SYSTEMS
MD501	0		MECHANICAL DIRECTIVE TYPICAL TPSS AND GBS AIR CONDITIONING AND CONTROL SYSTEM
ELECTRICAL			
ED001	0		GENERAL ELECTRICAL NOTES
ED002	0		ELECTRICAL DIRECTIVE PASSENGER STATION ONE-LINE DIAGRAM
ED003	0		GUIDEWAY ELECTRICAL DIRECTIVE ELECTRICAL GUIDEWAY LIGHTING PLANS
ED004	0		GUIDEWAY ELECTRICAL DIRECTIVE ELECTRICAL GUIDEWAY LIGHTING DOUBLE TRACK
ED005	0		GUIDEWAY ELECTRICAL DIRECTIVE ELECTRICAL GUIDEWAY LIGHTING SINGLE TRACK
ED006	0		ELECTRICAL DIRECTIVE PASSENGER STATION SIDE PLATFORM LIGHTING
ED007	0		ELECTRICAL DIRECTIVE PASSENGER STATION CENTER PLATFORM LIGHTING
ED008	0		ELECTRICAL DIRECTIVE PASSENGER STATION ELECTRICAL, UPS, TCC ROOMS
TRACTION POWER			
TD001	0		TRACTION POWER DIRECTIVE TYPICAL SUBSTATION RACEWAY LAYOUT
TD002	0		TRACTION POWER DIRECTIVE TYPICAL DC RACEWAYS ON AERIAL GUIDEWAY SECTIONS AND DETAILS
TD003	0		TRACTION POWER DIRECTIVE TYPICAL MANHOLE/PULLBOX DETAILS
TD004	0		TRACTION POWER DIRECTIVE TYPICAL UNDERGROUND DUCTBANK SECTIONS & DETAILS
TD005	0		TRACTION POWER DIRECTIVE SUBSTATION CABLE TRENCH DETAILS

RTD DIRECTIVE DRAWINGS			
Drawing No.	Rev. No.	Applicable	Drawing Title
TRACTION POWER			
TD006	0		TRACTION POWER DIRECTIVE SUBSTATION CABLE TRENCH DETAILS ALTERNATIVE
TD050	0		TRACTION POWER DIRECTIVE TYPICAL SUBSTATION GROUND GRID ARRANGEMENT
TD051	0		TRACTION POWER DIRECTIVE TYPICAL GAP BREAKER STATION GROUND GRID ARRANGEMENT
TD052	0		TRACTION POWER DIRECTIVE TYPICAL SUBSTATION GROUND GRID DETAILS
TD100	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION SPLICE JOINT ASSEMBLY
TD101	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION END-APPROACH ASSEMBLY
TD102	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION EXPANSION JOINT ASSEMBLY
TD103	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION ANCHOR ASSEMBLY DIRECT FIXATION TRACK
TD104	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION MOUNTING & PEDESTAL DETAILS
TD105	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION INSULATOR BRACKET AND ANCHOR BALLASTED TRACKS
TD106	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION COVERBOARD ASSEMBLY
TD107	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION COVERBOARD MOUNTING DETAILS
TD108	0		TRACTION POWER DIRECTIVE CONTACT RAIL INSTALLATION COVERBOARD ASSEMBLY AT EXPANSION JOINT
TRAIN CONTROL			
ND001	0		TRAIN CONTROL DIRECTIVE MAINLINE SWITCH MACHINE LAYOUT DIRECT FIXATION
ND002	0		TRAIN CONTROL DIRECTIVE MAINLINE SWITCH MACHINE LAYOUT BALLASTED TRACK
ND003	0		TRAIN CONTROL DIRECTIVE YARD SWITCH MACHINE LAYOUT BALLASTED TRACK
SYSTEMS INTEGRATION			
ID001	0		SYSTEMS INTEGRATION DIRECTIVE CONTRACT WORK DELINEATION AERIAL GUIDEWAY

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: N/A
Drawn: J Derosier
Checked: J Davis
Approved: C Shimizu
Date: 11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant:

For reduced prints, original page size in inches: 0 1 2 3 4

CHINATOWN STATION
DIRECTIVE DRAWING SUMMARY
CITY AND COUNTY OF HONOLULU (RTD)

SHEET 2 OF 2

Contract No.: SV-542	
CADD File: SG2-A06-GN007	
Drawing No: GN007	Rev.
Scale: N/A	
Page No. 6	of 53

STANDARD PLANS SUMMARY—STATE OF HAWAII DEPARTMENT OF TRANSPORTATION (HDOT)

STANDARD PLAN NO.	APPLICABLE	TITLE	DATE
B-01		Notes and Miscellaneous Details	R05/31/07
B-03		Backfill Details at Earth Retaining Structures	R05/31/07
B-12		Prestressed Concrete Piles and Compression Splice Can Details	R05/31/07
B-12A		Prestressed Concrete Piles, Pile and Compression Splice Can Details and Pile Notes	R05/31/07
B-12B		Pile Interaction Diagram	R05/31/07
B-13		Prestressed Concrete Pile Build-Up Details	R05/31/07
D-01		Cattle Gate	R05/31/07
D-02		Chain Link Fence with Toprail	R05/31/07
D-03		Chain Link Fence without Toprail	R05/31/07
D-04		Wire Fence with Metal Posts	R05/31/07
D-05		Typical Details of Curbs and/or Gutters	R05/31/07
D-06		Typical Detail of Reinforced Concrete Drop Driveway	R05/31/07
D-07		Centerline and Reference Survey Monument	R05/31/07
D-08		Street Survey Monument	R05/31/07
D-15		Concrete Sidewalk	R05/31/07
D-16		P.C.C. Bus Pad	R05/31/07
D-17		P.C.C. Bus Pad	R05/31/07
D-18		P.C.C. Pavement Layout	R05/31/07
D-19		P.C.C. Pavement w/ Permeable Base Joint Details	R05/31/07
D-20		P.C.C. Pavement w/ Permeable Base Joint Details	R05/31/07
D-21		P.C.C. Longitudinal Joint Details	R05/31/07
D-22		P.C.C. Connection to Curbs and Gutters	R05/31/07
D-23		Joints	R05/31/07
H-01A		Type A Catch Basin	R05/31/07
H-01B		Type B Catch Basin	R05/31/07
H-01C		Type C Catch Basin	R05/31/07
H-01D		Type D Catch Basin	R05/31/07
H-01E		Catch Basin Sections	R05/31/07
H-02A		Type A1 Catch Basin	R05/31/07
H-02B		Type B1 Catch Basin	R05/31/07
H-02C		Type C1 Catch Basin	R05/31/07
H-02D		Type D1 Catch Basin	R05/31/07
H-02E		Catch Basin Sections	R05/31/07
H-03		Type A, B, and C Storm Drain Manhole	R05/31/07
H-04		Type D Storm Drain Manhole	R05/31/07
H-05		Typical Reinforcing Details for Drainage Structures	R05/31/07
H-06		Typical Reinforcing Details for Drainage Structures	R05/31/07
H-07		Catch Basin and Manhole Castings	R05/31/07
H-08		Type 1A-9 and 1A-9P Grated Drop Inlet	R05/31/07
H-09		Type 2A-9 and 2A-9P Grated Drop Inlet	R05/31/07
H-10		Type A-9 or A-9P Steel Frames	R05/31/07
H-11		Type A-9 and A-9P Steel Grates	R05/31/07
H-12		Type 61614P and 1211214P Grated Drop Inlet	R05/31/07
H-13		Type 61616P and 1211216P Grated Drop Inlet	R05/31/07
H-14		Type 61214P Grated Drop Inlet	R05/31/07
H-15		Type 1211214, 1211214P and 1211216, 1211216P Steel Frame and Grates	R05/31/07

STANDARD PLAN NO.	APPLICABLE	TITLE	DATE
H-16		Type 61614, 61614P, 61616, 61616P Steel Frame and Grates	R05/31/07
H-17		Type 61214 Steel Frames and Grates	R05/31/07
H-18		Type 61214P Steel Grates	R05/31/07
H-19		Type 61614B Steel Frame and Grates	R05/31/07
H-20		Cement Rubble Masonry Structures	R05/31/07
H-21		Concrete and Cement Rubble Masonry Structures	R05/31/07
H-22		Inlet/Outlet Structure	R05/31/07
H-23		Inlet/Outlet Structure	R05/31/07
H-24		Flared End Section for Culverts	R05/31/07
H-25		Flared End Section for Culverts	R05/31/07
H-26		Concrete Spillway Inlet	R05/31/07
H-27		Cap Coupling Details Standard Joint	R05/31/07
H-28		Reinforced Concrete Collar & Jacket	R05/31/07
H-29		Underdrain Cleanout Steel Frame and Cover	R05/31/07
H-30		Underdrain Connection to Drainage Structure	R05/31/07
L-01		Tree Planting	R08/16/06
L-02		Tree Planting	R08/16/06
L-03		Tree Transplanting	R08/16/06
L-04		Palm Planting	R08/16/06
L-05		Shrub Planting	R08/16/06
L-06		Landscape Details	R08/16/06
L-07		Landscape Details	R08/16/06
L-08		Landscape Details	R08/16/06
L-09		Landscape Details	R08/16/06
L-10		Landscape Details	R08/16/06
L-11		Planting Notes	R08/16/06
L-12		Irrigation Details	R08/16/06
L-13		Irrigation Details	R08/16/06
L-14		Irrigation Details	R08/16/06
L-15		Irrigation Details	R08/16/06
L-16		Irrigation Details	R08/16/06
L-17		Irrigation Details	R08/16/06
L-18		Irrigation Details	R08/16/06
L-19		Irrigation Details	R08/16/06
L-20		Irrigation Details	R08/16/06
L-21		Irrigation Details	R08/16/06
L-22		Irrigation Details	R08/16/06
L-23		Irrigation Details	R08/16/06
L-24		Irrigation Notes	R08/16/06
TE-01		Sign Height and Location	07/11/08
TE-01A		Sign Installation	07/11/08
TE-02A		Galvanized Flanged Channel Sign Post Mounting	R05/31/07
TE-02B		Galvanized Flanged Channel Sign Post Mounting	R05/31/07
TE-02C		Galvanized Flanged Channel Sign Post Mounting	R05/31/07
TE-03A		Galvanized Square Tube Sign Post Mounting	R05/31/07
TE-03B		Galvanized Square Tube Sign Post Mounting	R05/31/07
TE-04		Regulatory Signs	07/11/08
TE-05		Warning Signs	07/11/08
TE-06		Miscellaneous Signs	07/11/08

STANDARD PLAN NO.	APPLICABLE	TITLE	DATE
TE-07		Construction Signs	07/11/08
TE-08		Miscellaneous Intersection Signs	07/11/08
TE-09		Bike Route Sign & Supplementary Plates	07/11/08
TE-10		Interstate Route Marker	07/11/08
TE-11		State Route Marker and Auxiliary Markers	07/11/08
TE-12		State Route Marker and Border Detail for Guide Signs	07/11/08
TE-12A		Route Sign Assemblies	07/11/08
TE-13		Street Name Sign on Mast Arm	07/11/08
TE-14		Miscellaneous Reflector Markers	07/11/08
TE-15		Object Markers	07/11/08
TE-16		Mile Posts	07/11/08
TE-17A		Cantilever Overhead Sign Elevation & Details	R05/31/07
TE-17B		Cantilever Sign Frame Detail and Sections	R05/31/07
TE-17C		Cantilever Sign Frame Detail	R05/31/07
TE-17D		Cantilever Sign Frame Sections	R05/31/07
TE-17E		Cantilever Sign Frame Details	R05/31/07
TE-18A		Two Post Overhead Sign Frame Elevations	R05/31/07
TE-18B		Two Post Sign Framing Plan Section	R05/31/07
TE-18C		Two Post Sign Framing Sections and Details	R05/31/07
TE-18D		Two Post Sign Frame Details	R05/31/07
TE-18E		Two Post Sign Frame Details	R05/31/07
TE-19A		Overhead Sign Framing Schedule	R05/31/07
TE-19B		Sign Post Drilled Shaft Foundation	R05/31/07
TE-19C		Spread Footing	R05/31/07
TE-19D		Sign Frame Foundation Schedule	R05/31/07
TE-19D.1		Sign Frame Foundation Schedule	R05/31/07
TE-19D.2		Sign Frame Foundation Schedule	R05/31/07
TE-19D.3		Sign Frame Foundation Schedule	R05/31/07
TE-19D.4		Sign Frame Foundation Schedule	R05/31/07
TE-19D.5		Sign Frame Foundation Schedule	R05/31/07
TE-19E		Anchorage Details	R05/31/07
TE-19F		Anchorage Details	R05/31/07
TE-19G		Miscellaneous Sign Frame Details	R05/31/07
TE-19H		Luminaire Walkway Support	R05/31/07
TE-19J		Fixed Message Luminaire Support	R05/31/07
TE-19K		Miscellaneous Sign Details	R05/31/07
TE-19L		Miscellaneous Sign Details	R05/31/07
TE-19M		Miscellaneous Sign Frame Details	R05/31/07
TE-20		Supports for Ground Mounted Guide Sign	R05/31/07
TE-20A		Supports for Ground Mounted Guide Sign	R05/31/07
TE-20B		Supports for Ground Mounted Guide Sign	R05/31/07
TE-20C		Supports for Ground Mounted Guide Sign	R05/31/07
TE-21A		Sign Breakaway Mounts	R05/31/07
TE-21B		Sign Breakaway Mounts	R05/31/07
TE-22		Laminated Aluminum Sign Panels (Overhead)	07/11/08
TE-23		Laminated Aluminum Sign Panels (Ground Mounted)	R05/31/07
TE-24		Solid Aluminum Extruded Sign Panel and Accessory Details	R05/31/07
TE-25		Guide Signs Luminaire Mountings	R05/31/07
TE-26		Raised Pavement Markers and Striping	07/11/08

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
N/A
Drawn:
J Derosier
Checked:
L Karamatsu
Approved:
C Shimizu
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813
Subconsultant:

For reduced prints, original page size in inches: 0 1 2 3 4

CHINATOWN STATION
STANDARD PLANS SUMMARY
STATE OF HAWAII (HDOT)
SHEET 1 OF 2

Contract No.:
SV-542
CADD File:
SG2-A06-GN010
Drawing No: GN010 Rev.
Scale:
N/A
Page No. 9 of 53

UTILITIES SYMBOLS

<p>---AT&T--- Exist AT&T Line</p> <p>---CTV--- Exist Cable Television</p> <p>---OCTv--- Exist Cable Television, Overhead</p> <p>---FOC--- Exist Communication Fiber Optic</p> <p>---D24--- Exist Drain Line (Size in Inches)</p> <p>---OE--- Exist Electrical Line, Overhead</p> <p>---E--- Exist Electrical Line</p> <p>---FA--- Exist Fire Alarm</p> <p>---F6--- Exist Fuel or Oil Line (Size in Inches)</p> <p>---FM12--- Exist Force Main (Size in Inches)</p> <p>---G6--- Exist Gas Line (Size in Inches)</p> <p>---NPW12--- Exist Non-Potable Water Line (Size in Inches)</p> <p>---SIC--- Exist Sandwich Isle Communications Line</p> <p>---S12--- Exist Sewer Line (Size in Inches)</p> <p>---SC--- Exist Signal Corps Line</p> <p>---SLC--- Exist Street Light Conduit</p> <p>---OT--- Exist Telephone Line, Overhead</p> <p>---T--- Exist Telephone Line</p> <p>---TSC--- Exist Traffic Signal Conduit</p> <p>---W12--- Exist Water Line (Size in Inches)</p>	<p>o Exist Air Relief Valve</p> <p>▨ Exist AT&T Box</p> <p>⊖ Exist AT&T Manhole</p> <p>⊖ Exist Backflow Preventor</p> <p>□ Exist Utility Box</p> <p>⊖ Exist Catch Basin</p> <p>⊖ Exist Catch Basin</p> <p>⊖ Exist Cable TV Box</p> <p>o Exist Clean Out</p> <p>⊖ Exist Drain Inlet</p> <p>⊖ Exist Drain Manhole</p> <p>⊖ Exist Dry Standpipe</p> <p>⊖ Exist Electrical Box</p> <p>⊖ Exist Electrical Manhole</p> <p>⊖ Exist Electrical Transformer</p> <p>⊖ Exist Fire Alarm Box</p> <p>⊖ Exist Fire Hydrant</p> <p>⊖ Exist Gas Manhole</p> <p>⊖ Exist Gas Valve</p> <p>⊖ Exist Guy Wire</p> <p>⊖ Exist Irrigation Control Valve Box</p> <p>⊖ Exist Irrigation Control Valve</p> <p>⊖ Exist Light Pole</p> <p>⊖ Exist Manhole</p> <p>⊖ Exist Street Monument</p> <p>o Exist Pole (EP, U.P.)</p> <p>⊖ Exist Pedestrian Street Light</p>	<p>□ Exist Traffic Sensor</p> <p>⊖ Exist Street Light</p> <p>⊖ Exist Street Light Box</p> <p>⊖ Exist Sewer Manhole</p> <p>⊖ Exist Telephone Box</p> <p>⊖ Exist Telephone Manhole</p> <p>⊖ Exist Traffic/Pedestrian Street Light</p> <p>⊖ Exist Traffic Signal Box</p> <p>⊖ Exist Traffic Street Light</p> <p>⊖ Exist Water Meter</p> <p>⊖ Exist Water Manhole</p> <p>⊖ Exist Water Valve</p>	<p>---D24--- Prop Drain Line (Size in Inches)</p> <p>---F6--- Prop Fuel or Oil Line (Size in Inches)</p> <p>---G6--- Prop Gas Line (Size in Inches)</p> <p>---NPW12--- Prop Non-Potable Water Line (Size in Inches)</p> <p>---S8--- Prop Sewer Line (Size in Inches)</p> <p>---W12--- Prop Water Line (Size in Inches)</p>	<p>o Prop Air Relief Valve</p> <p>⊖ Prop Backflow Preventor</p> <p>⊖ Prop Catch Basin</p> <p>⊖ Prop Catch Basin</p> <p>o Prop Clean Out</p> <p>⊖ Prop Drain Inlet</p> <p>⊖ Prop Drain Manhole</p> <p>⊖ Prop Swale or Slope</p> <p>⊖ Prop Fire Hydrant</p> <p>⊖ Prop Gas Manhole</p> <p>o Prop Gas Valve</p> <p>⊖ Prop Sewer Manhole</p> <p>⊖ Prop Water Meter</p> <p>⊖ Prop Water Manhole</p> <p>⊖ Prop Water Valve</p> <p>\\ Cut and Plug</p> <p>---R---R--- Abandon in Place</p> <p>---R---R--- Demolish/Remove</p>
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UTILITIES ABBREVIATIONS

& And	EH Electrical Handhole	Hwy Highway	PPB Pedestrian Push Button	TP Telephone Pole
Abnd Abandoned	Elec Electric, Electrical	ICB Irrigation Control Box	Prop Proposed	TPOL Traffic Signal Pole
AC Asphalt Concrete	EP Electric Pole	ICV Irrigation Control Valve	PVC Polyvinyl Chloride	TRB Traffic Box
AF Air Force	EMH Electrical Manhole	Irr Irrigation	Pwr Power	TS Top Stem
Approx Approximate	EV Electrical Vault	kV Kilovolt	RCP Reinforced Concrete Pipe	TSB Traffic Signal Box
ARV Air Relief Valve	Exist Existing	Lat Lateral	Rd Road	TSC Traffic Signal Conduit
Ave Avenue	F Fuel	Ln Lane	ROW Right-of-Way	TSL Traffic Signal
⊖ Baseline	FA Fire Alarm	LP Light Pole	S Sewer	TV Television
BFP Backflow Preventor	FAB Fire Alarm Box	Lt Light	SC Signal Corps Line	Typ. Typical
BGGV Bevel-gated gate valve	FH Fire Hydrant, Farrington Highway	MH Manhole	SDMH Storm Drain Manhole	UB Utility Box
Bldv Boulevard	FM Force Main	MHP Manhole (Positive)	SIC Sandwich Isle Communications	UD Underdrain
BWS Board of Water Supply	FMH Fuel Manhole	MHN Manhole (Negative)	Sig Signal	UMH Utility Manhole
⊖ Centerline	FOC Fiber Optic Cable	Misc Miscellaneous	SL Street Light	UP Utility Pole
C&C City and County	FSA Fire Safety Alarm	MTCO Mutual Telephone Company	SL Sewer Line	USN United States Navy
CB Catch Basin	Fwy Freeway	MW Monitoring Well	SLB Street Light Box	USAF United States Air Force
CBMH Catch Basin Manhole	G Gas	NPW Non-Potable Water	SLC Street Light Conduit	Util Utility
CO Cleanout	GM Gas Meter	N/A Not Applicable	SMH Sewer Manhole	W Water
Comm Communication	GMH Gas Manhole	NS North-South Road	St Street	WL Water Line
Conc Concrete	GV Gas Valve, Gate Valve	OCTv Overhead Cable Television	St Mon Street Monument	WM Water Meter
CTV Cable TV	GW Guy Wire	OH Overhead	T Top	WMH Water Manhole
D Drain	HECO Hawaiian Electric Company	OHE Overhead Electrical	TBD To Be Determined	Wtr Water
DI Drainage Inlet	HH Handhole	OT Overhead Telephone	TCB Traffic Control Box	WV Water Valve
DMH Drainage Manhole	HITS Hawaii Information Transfer System	PB Pullbox	Tel Telephone	WVB Water Valve Box
DS Down Spout	HP High Pressure	Pkwy Parkway	Temp Temporary	WVMH Water Valve Manhole
Dwg Drawing	HT Hawaiian Telcom	PI Place	TGC The Gas Company	
E Electric, Electrical	HVP High Voltage Power	PM Petroleum Marker	TL Traffic Light	
EB Electrical Box	HW Headwall	PP Power Pole	TMH Telephone Manhole	

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: N/A
Drawn: D Toba
Checked: H Andrews
Approved: J Yamamoto
Date: 11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

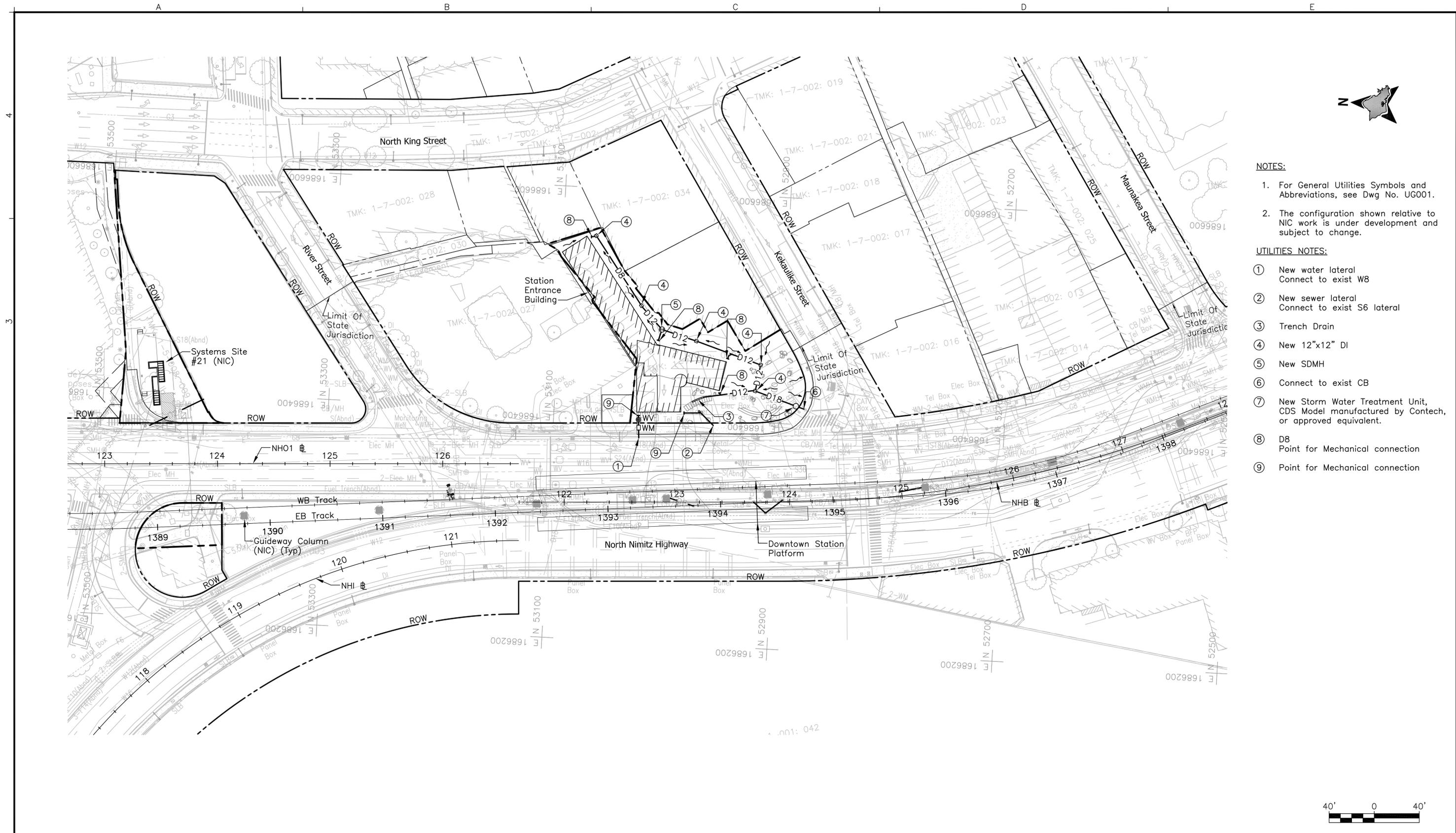
Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant: **R. M. TOWILL CORPORATION**
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3470

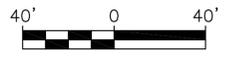
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**CHINATOWN STATION
GENERAL UTILITIES SYMBOLS
AND ABBREVIATIONS**

Contract No.: SV-542	Rev.
CADD File: SG2-D01-UG001	
Drawing No: UG001	
Scale: N/A	
Page No. 12 of 53	



- NOTES:**
- For General Utilities Symbols and Abbreviations, see Dwg No. UG001.
 - The configuration shown relative to NIC work is under development and subject to change.
- UTILITIES NOTES:**
- New water lateral
Connect to exist W8
 - New sewer lateral
Connect to exist S6 lateral
 - Trench Drain
 - New 12"x12" DI
 - New SDMH
 - Connect to exist CB
 - New Storm Water Treatment Unit,
CDS Model manufactured by Contech,
or approved equivalent.
 - D8
Point for Mechanical connection
 - Point for Mechanical connection



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Toba

Drawn:
D Toba

Checked:
H Andrews

Approved:
J Yamamoto

Date:
11-25-09

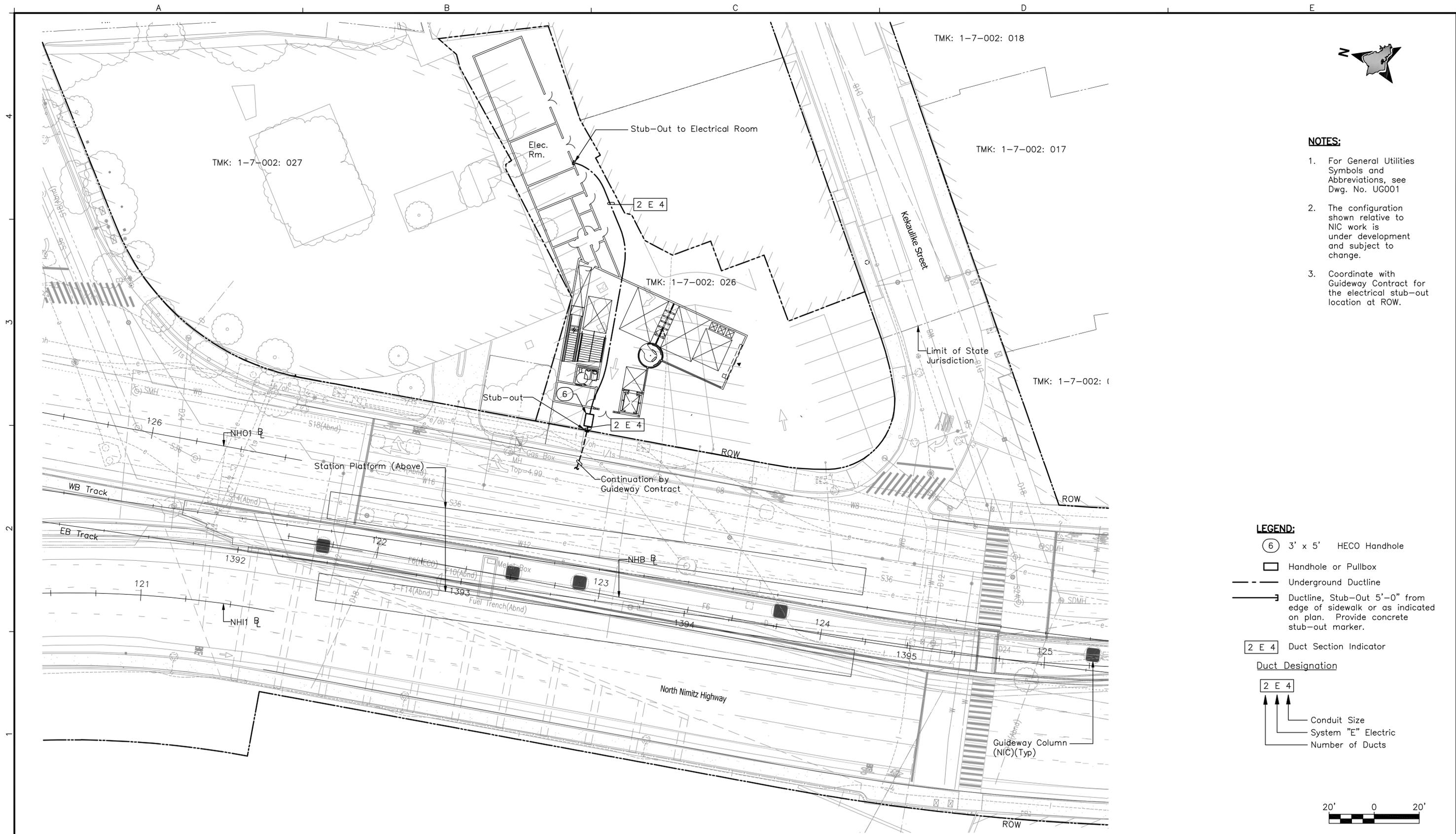
HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant:
PARSONS BRINCKERHOFF
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813
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Subconsultant:
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3470

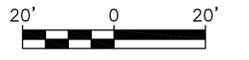
**CHINATOWN STATION
UTILITIES PLAN
WATER, SEWER, & DRAINAGE**

Contract No.: SV-542	
CADD File: SG2-D03-UP001	
Drawing No: UP001	Rev.
Scale: 1"=40'	
Page No. 13 of 53	



- NOTES:**
1. For General Utilities Symbols and Abbreviations, see Dwg. No. UG001
 2. The configuration shown relative to NIC work is under development and subject to change.
 3. Coordinate with Guideway Contract for the electrical stub-out location at ROW.

- LEGEND:**
- (6) 3' x 5' HECO Handhole
 - Handhole or Pullbox
 - - - - - Underground Ductline
 - > Ductline, Stub-Out 5'-0" from edge of sidewalk or as indicated on plan. Provide concrete stub-out marker.
 - 2 E 4 Duct Section Indicator
- Duct Designation**
- 2 E 4
- Conduit Size
 - System "E" Electric
 - Number of Ducts



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: G Takase
 Drawn: R Nagata
 Checked: S Sakai
 Approved: S Sakai
 Date: 11-25-09

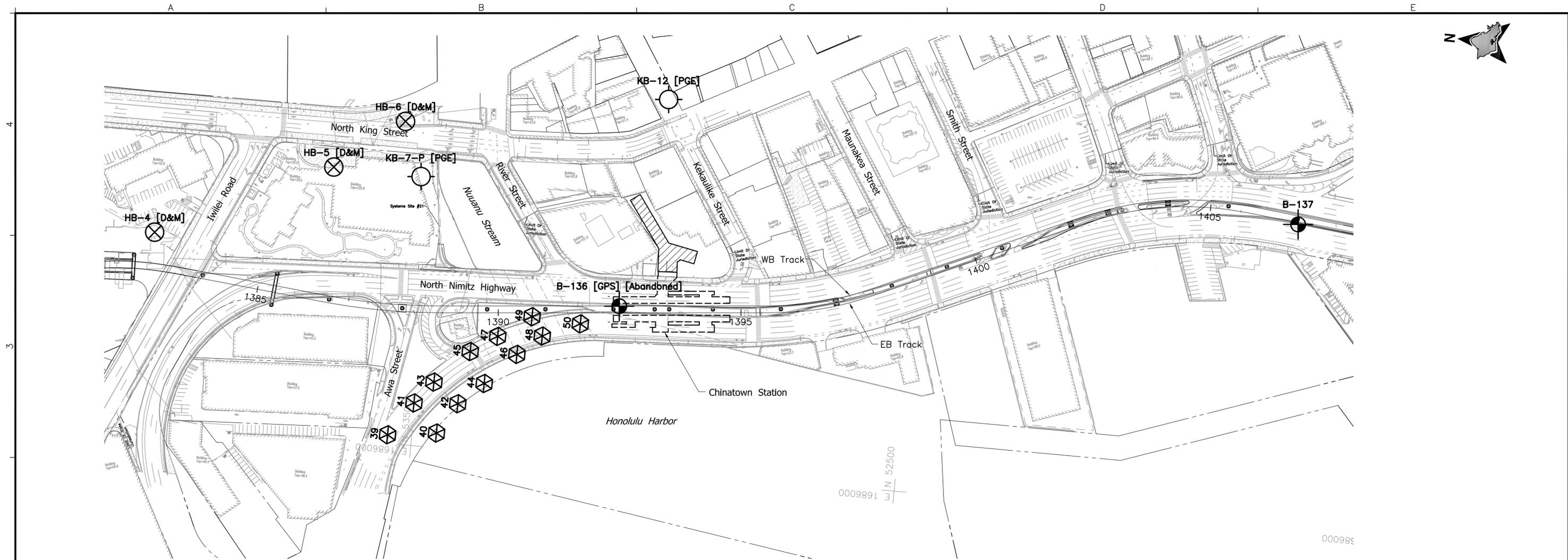
HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813
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Subconsultant: **RONALD N. S. HO & ASSOCIATES, INC.**
 Electrical Engineers
 2138 Algoroba Street, Suite A Honolulu, Hawaii 96826
 Phone: (808)941-0577 Fax: (808)945-2646

**CHINATOWN STATION
UTILITIES PLAN
ELECTRICAL**

Contract No.: SV-542	
CADD File: SG2-D03-UP002	
Drawing No: UP002	Rev.
Scale: 1"=20'	
Page No. 14 of 53	



GEOTECHNICAL NOTES

1. Geotechnical Investigations Documents
 - a. December 2009; Geotechnical Data Report, Honolulu High-Capacity Transit Corridor Project – City Center Segment, Middle Street to Ala Moana Center, Honolulu, Oahu, Hawaii; W.O. 6000-00; Prepared for PB Americas; Geolabs, Inc.
 - b. September 1950; Honolulu–Pearl Harbor Road–Iwilei Section, Project No. FU-44(3), 2 Unit; Territorial Highway Department, Territory of Hawaii; Rev Sept 17, 1951. Sheets 1, 30, 30A, 30B, and 31 of 31 Sheets [Stick Logs Only].
 - c. March 1992; Honolulu Rapid Transit Program, Task 17.01-40 – Report , Preliminary geotechnical Exploration – King Street Subway Alignment Study; Job No. 9300-01; Prepared for Department of Transportation Services, City and County of Honolulu, and ICF Kaiser Engineering, Inc.; Pacific Geotechnical Engineers, Inc.
 - d. July 1991; ; Honolulu Rapid Transit Development Project, Hotel Street Subway Design, Supply and Construction, Geotechnical Engineering Exploration; Job No.. 0442-116-011; Prepared for Department of Transportation Services, City and County of Honolulu; Dames & Moore.
 - e. July 1991; ; Honolulu Rapid Transit Development Project, Hotel Street Subway Design, Supply and Construction, Geotechnical Basis For Proposal; Job No.. 0442-120-011; Prepared for Department of Transportation Services, City and County of Honolulu; Dames & Moore.
 - f. March 1991; Honolulu Rapid Transit Development Project, System Design, Supply, Construction, and Operation & Maintenance, Geotechnical Engineering Exploration–Waiawa to Waikiki and Manoa, Ewa and Honolulu, Oahu, Hawaii; W.O. 2366-00; Prepared for Department of Transportation Services, City and County of Honolulu; Geolabs–Hawaii.
2. Location of the City–provided geotechnical investigation, document 1.a above, documented in the GDR
3. Locations of pre-2008 and 2009 investigations, documents 1.b through 1.d above, are approximated from available plans. Locations are not surveyed.
4. Documents 1.b through 1.f are reference documents made available to the Designer for information only as an aid to understanding general site conditions in the station area.
5. See Honolulu High-Capacity Transit Corridor Project, Design Criteria Compendium, Chapter 9 – Structural [and Geotechnical] for minimum geotechnical investigation and performance requirements.
6. In accordance with Design Criteria Subsection 9.6 – Geotechnical, Designer’s “project geotechnical engineer” is responsible for development of the necessary information to complete the civil and structural design required for development of the proposed Station in accordance with Contract requirements.

LEGEND:

- B-136 [Abandoned]** – Planned Geotechnical Boring, Ref 1.a Boring terminated due to environmental considerations which need to be addressed before boring is resumed.
- 44** – Geotechnical Boring, Ref 1.b
- KB-12 [PGE]** – Geotechnical Boring, Ref 1.c
- HB-5 [D&M]** – Geotechnical Boring, Ref 1.d
- [GPS]** – Location based on field GPS coordinate



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Designed: Z Batchko
 Drawn: J Derosier
 Checked: J Davis
 Approved: Z Batchko
 Date: 11-25-09

Prime Consultant: **PARSONS BRINCKERHOFF**
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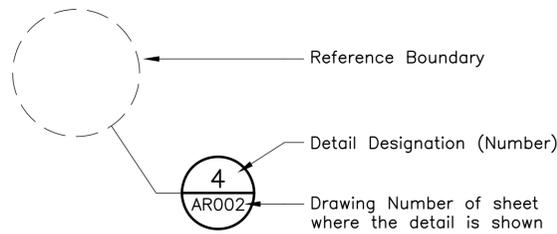
Subconsultant:

**CHINATOWN STATION
GEOTECHNICAL
INVESTIGATIONS PLAN**

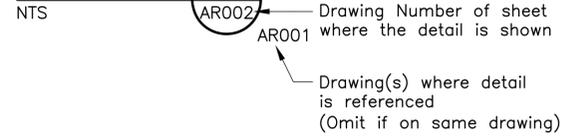
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Page No. 15 of 53	

STRUCTURAL SYMBOLS

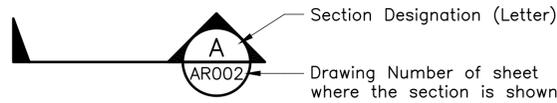
DETAILS



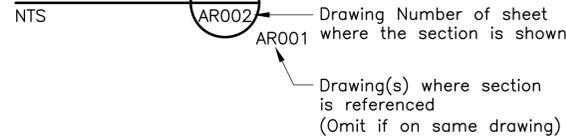
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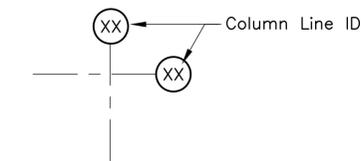
SECTIONS



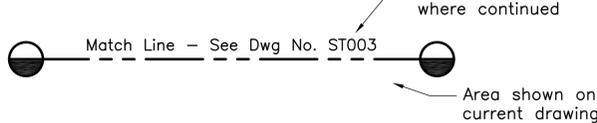
SECTION



COLUMN LINE GRID INDICATOR



MATCH LINE INDICATOR



GENERAL SYMBOLS

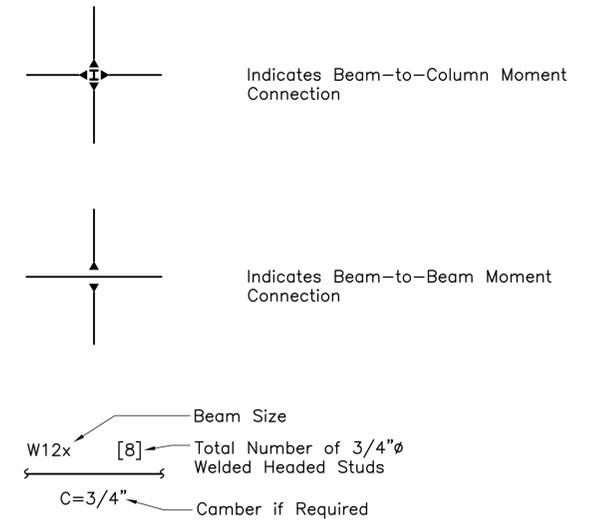
- & And
- @ At
- # Number
- ∅ Diameter
- % Percent
- = Equal to
- > Greater Than
- < Less Than
- ≥ Greater Than or Equal To
- ≤ Less Than or Equal To
- ± Plus or Minus

HATCH

- Metal Deck w/Conc Topping (Plan View)
- Metal Deck w/No Topping (Plan View)
- Slab on Grade (Plan View)

LEGEND

- Struct. Steel "X" Braced Frame (Above)
- Struct. Steel Braced Frame (Above)
- Non-Struct. Partition (See Arch. Drawings)
- Non-Struct. Shaft Wall
- Tilt-Up Wall
- CMU Wall
- Wall Below
- Indicates Steel Moment Frame Column & 6.75'(W) x 8.00'(L) x 1.5' Thk Footing
- Indicates Continuous Footing 3'(W) x 1.5'(T)
- Concrete Slab
- Prestressed Element with Concrete Topping



**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa

Drawn:
L Loo

Checked:
A Agapay

Approved:
D Okawa

Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant:
PARSONS BRINCKERHOFF
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant:
NOEI
NAGAMINE OKAWA ENGINEERS INC.
CONSULTING STRUCTURAL ENGINEERS
1003 BISHOP STREET, SUITE 2025
HONOLULU, HAWAII 96813
PH: (808) 536-2626 FAX: (808) 536-3926

**CHINATOWN STATION
GENERAL STRUCTURAL NOTES,
SYMBOLS, AND ABBREVIATIONS**

SHEET 4 OF 4

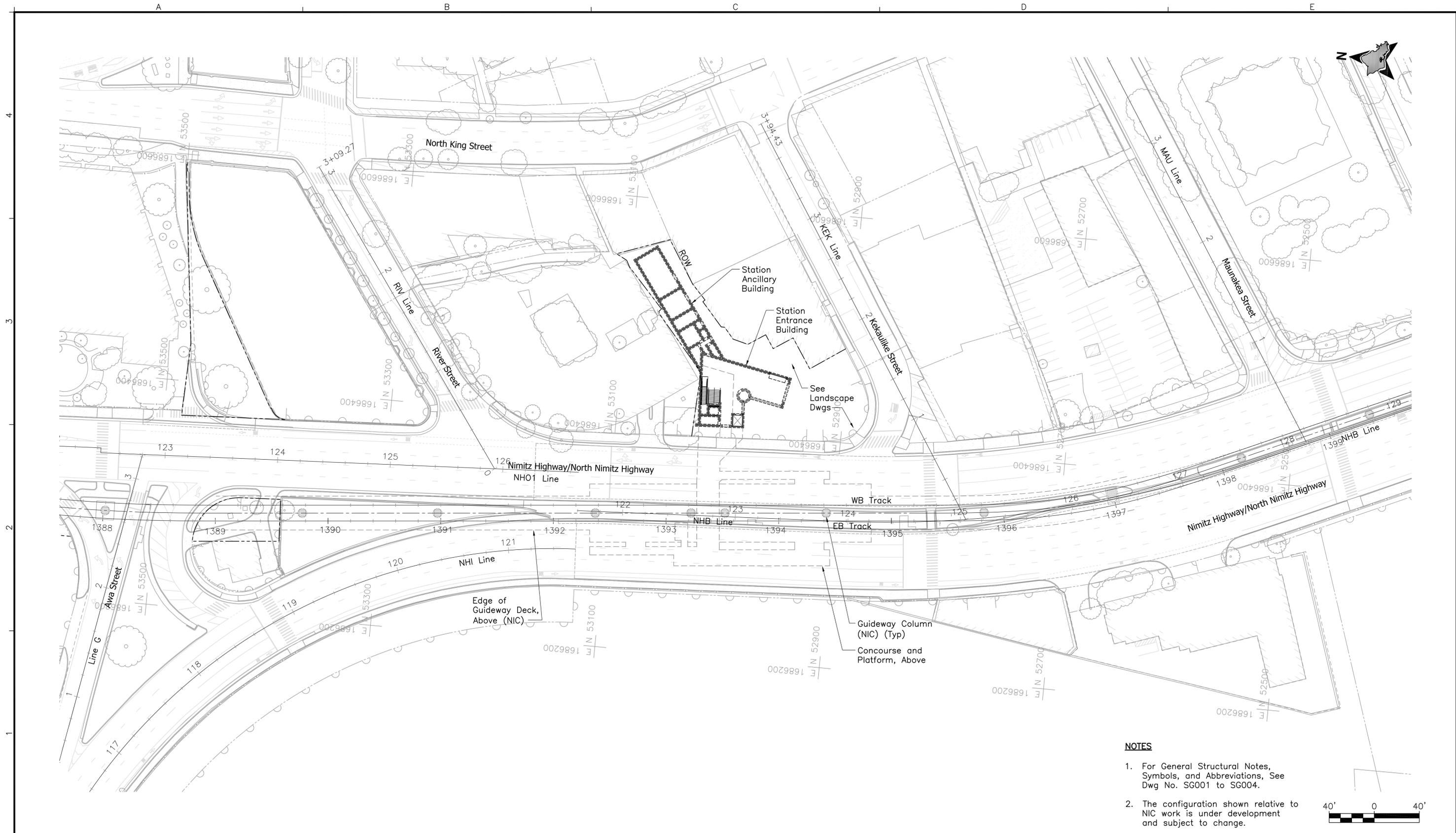
Contract No.:
SV-542

CADD File:
SG2-G01-SG004

Drawing No: SG004 Rev.

Scale:
N/A

Page No.
19 of 53



NOTES

1. For General Structural Notes, Symbols, and Abbreviations, See Dwg No. SG001 to SG004.
2. The configuration shown relative to NIC work is under development and subject to change.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa
Drawn:
L Loo
Checked:
A Agapay
Approved:
D Okawa
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

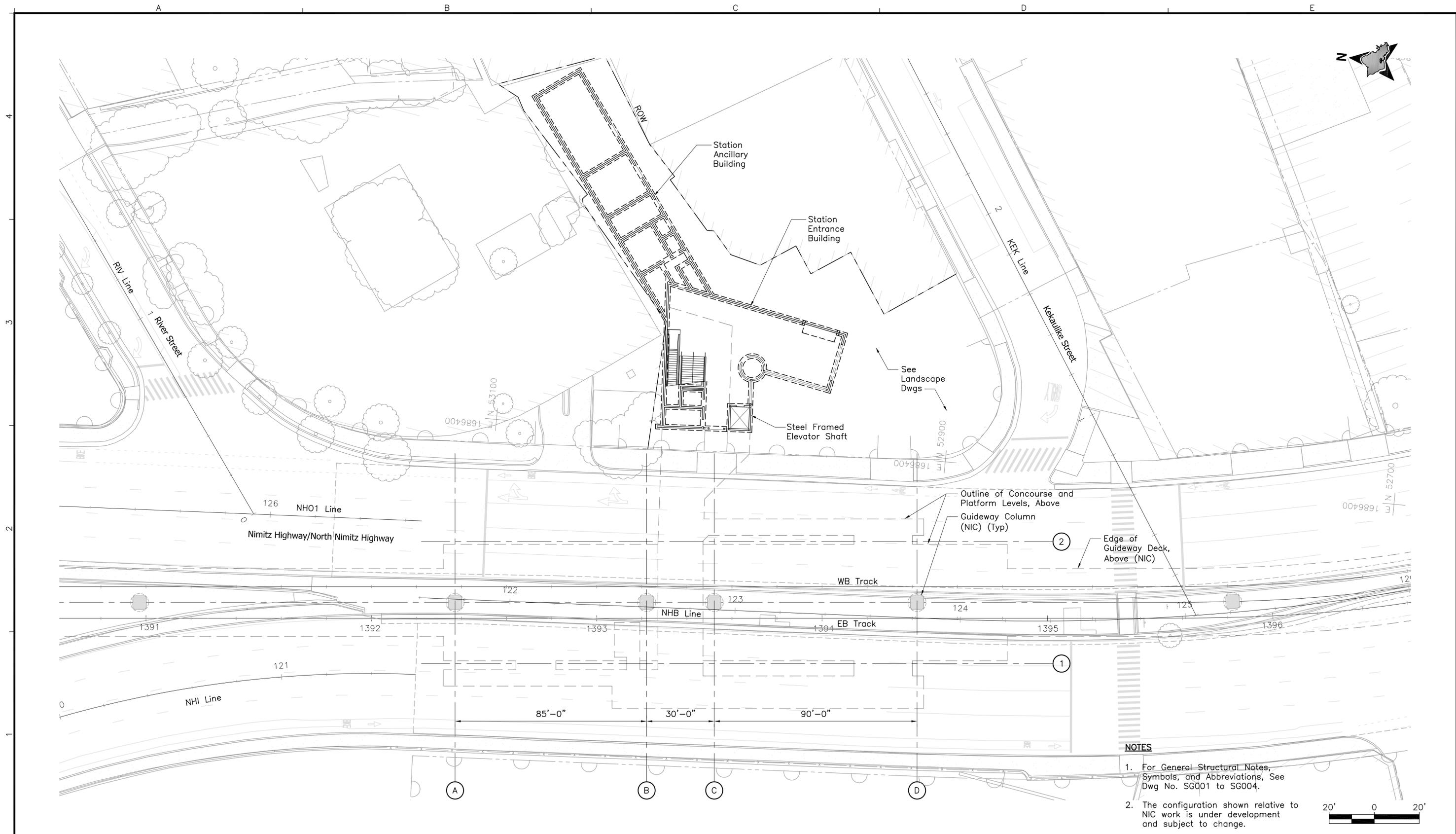
Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant: **NOEI**
NAGAMINE OKAWA ENGINEERS INC.
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PH: (808) 536-2626 FAX: (808) 536-3926

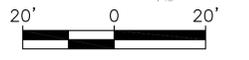
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**CHINATOWN STATION
STRUCTURAL
SITE PLAN
GROUND LEVEL**

Contract No.:	SV-542
CADD File:	SG2-G12-ST001
Drawing No:	ST001
Scale:	1"=40'
Page No.	20 of 53



- NOTES**
1. For General Structural Notes, Symbols, and Abbreviations, See Dwg No. SG001 to SG004.
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Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa
Drawn:
L Loo
Checked:
A Agapay
Approved:
D Okawa
Date:
11-25-09

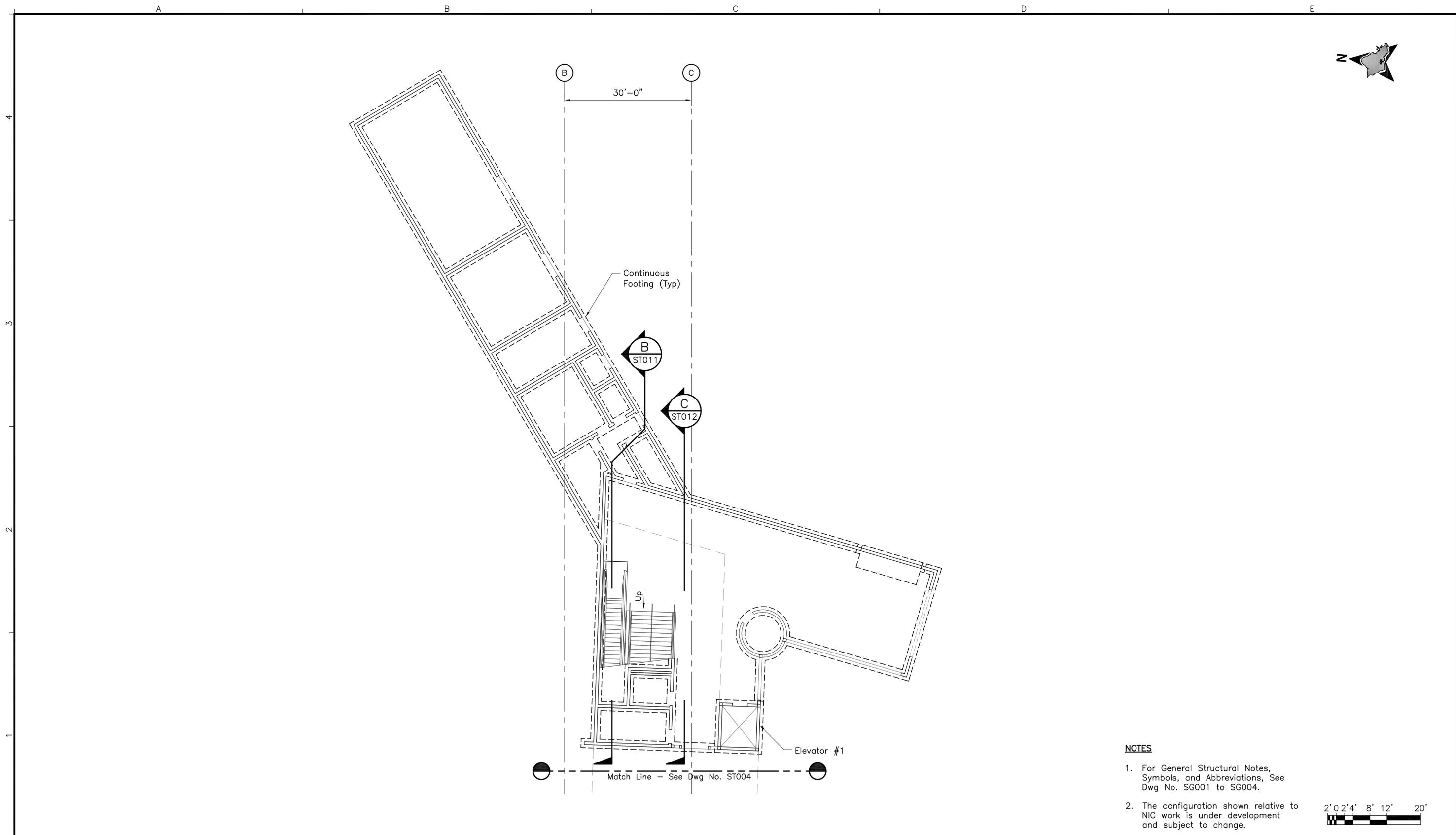
HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813
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Subconsultant: **NOEI**
NAGAMINE OKAWA ENGINEERS INC.
CONSULTING STRUCTURAL ENGINEERS
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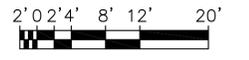
**CHINATOWN STATION
STRUCTURAL
OVERALL REFERENCE PLAN
GROUND LEVEL**

Contract No.: SV-542	Rev.
CADD File: SG2-G13-ST002	
Drawing No: ST002	
Scale: 1"=20'	
Page No. 21 of 53	



NOTES

1. For General Structural Notes, Symbols, and Abbreviations, See Dwg No. SG001 to SG004.
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**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa
Drawn:
L Loo
Checked:
A Agapay
Approved:
D Okawa
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

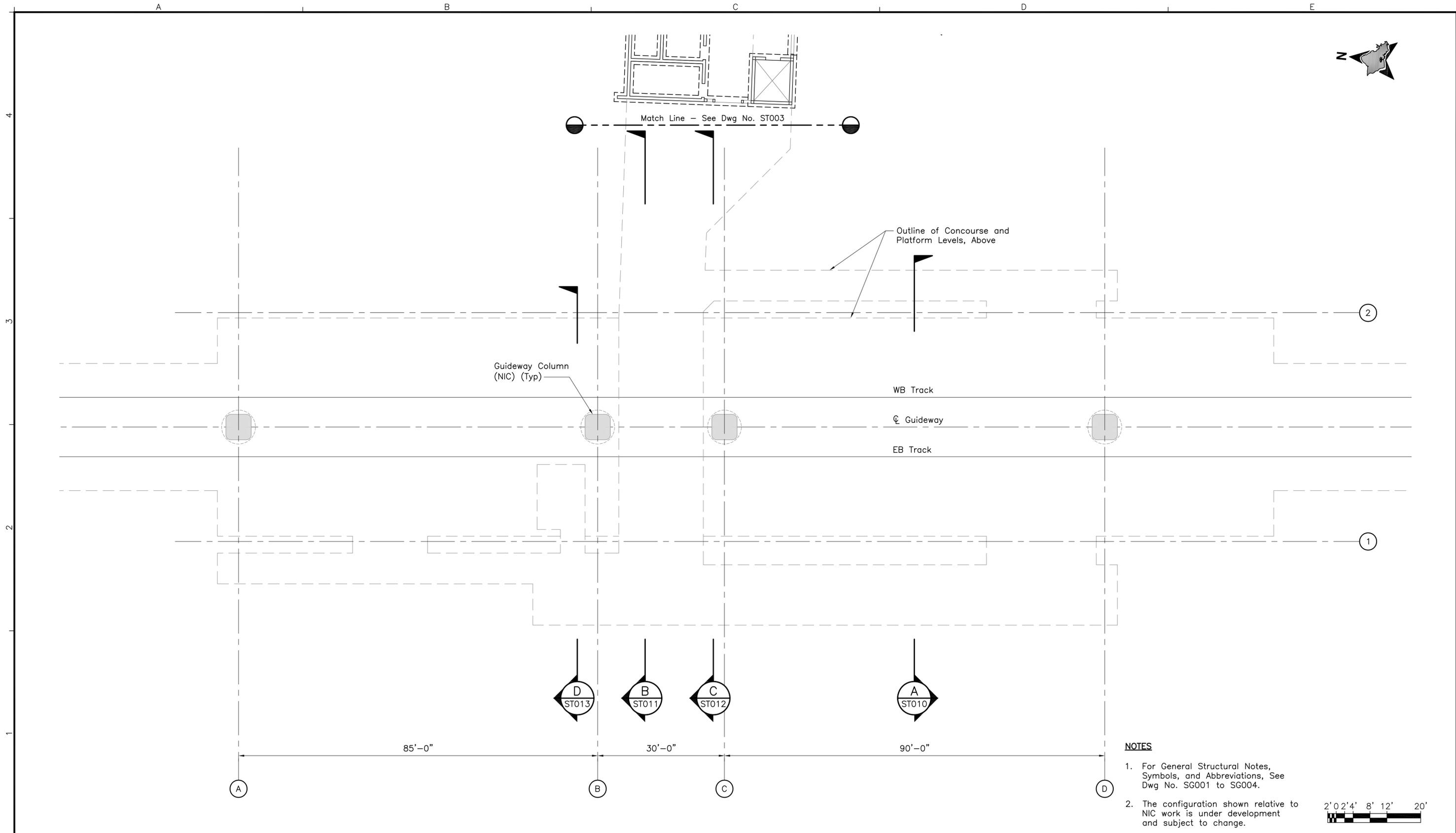
Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

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CHINATOWN STATION
STRUCTURAL
FOUNDATION & SLAB ON GRADE PLAN
GROUND LEVEL - ENTRANCE AREA

Contract No.: SV-542	
CADD File: SG2-G13-ST003	
Drawing No: ST003	Rev.
Scale: 3/32"=1'-0"	
Page No. 22	of 53



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa

Drawn:
L Loo

Checked:
A Agapay

Approved:
D Okawa

Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

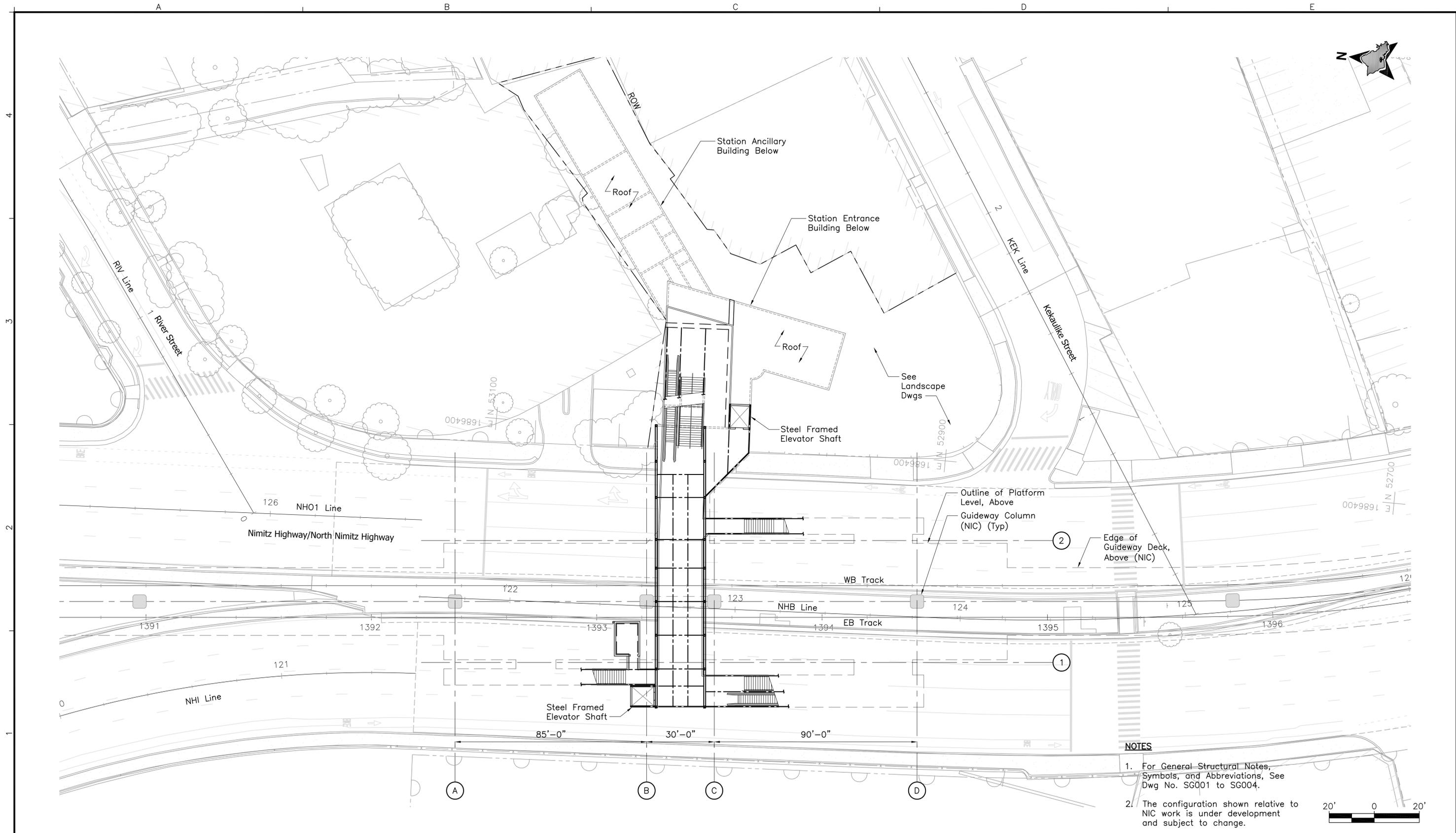
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CHINATOWN STATION
STRUCTURAL
FOUNDATION & SLAB ON GRADE PLAN
GROUND LEVEL - PLATFORM AREA

Contract No.: SV-542	Rev.
CADD File: SG2-G13-ST004	
Drawing No: ST004	
Scale: 3/32"=1'-0"	
Page No. 23	of 53



- NOTES**
1. For General Structural Notes, Symbols, and Abbreviations, See Dwg No. SG001 to SG004.
 2. The configuration shown relative to NIC work is under development and subject to change.

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa
Drawn:
L Loo
Checked:
A Agapay
Approved:
D Okawa
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

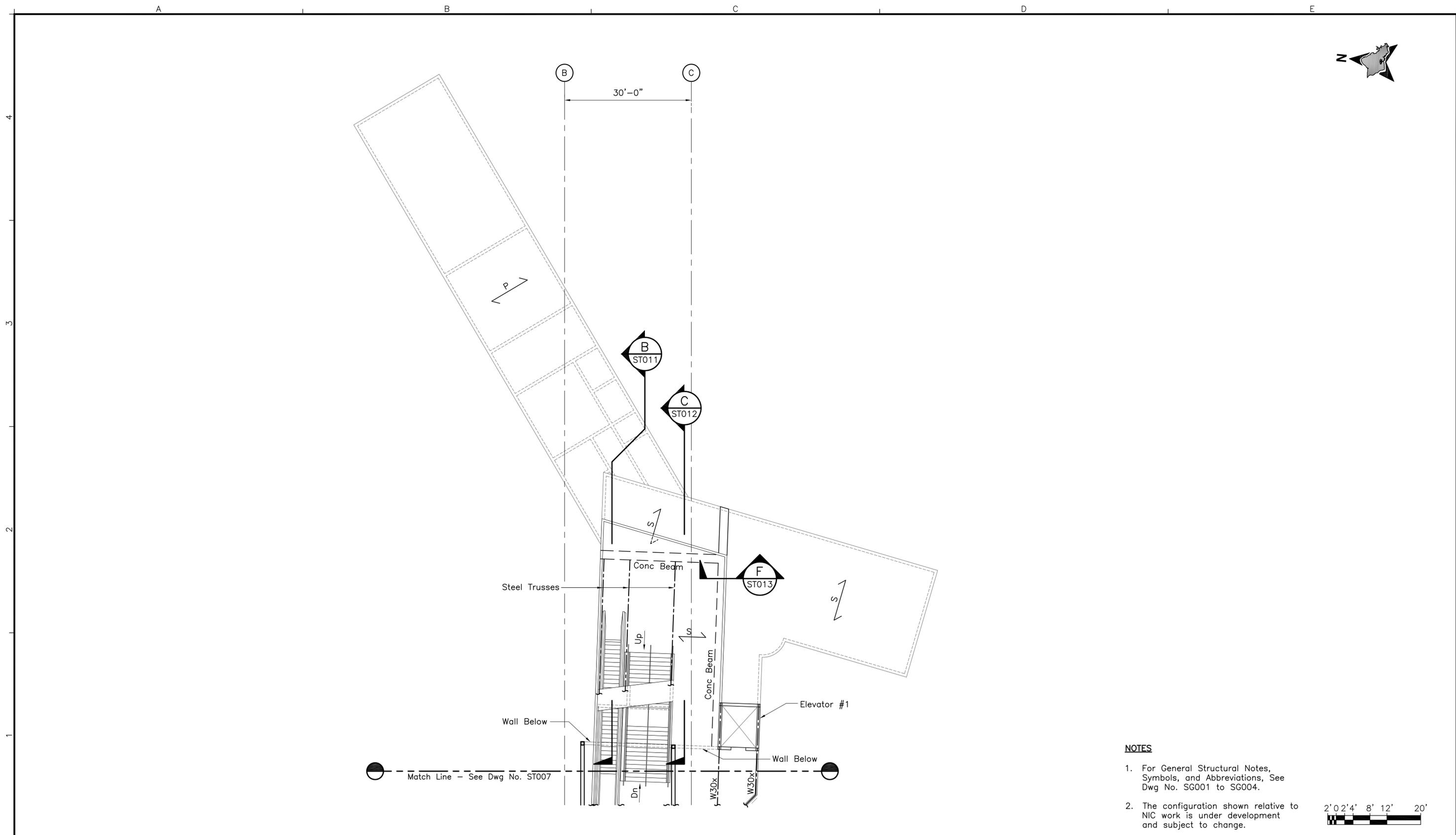
Prime Consultant: **PARSONS BRINCKERHOFF**
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NAGAMINE OKAWA ENGINEERS INC.
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**CHINATOWN STATION
STRUCTURAL
OVERALL REFERENCE PLAN
CONCOURSE LEVEL**

Contract No.: SV-542	Rev.
CADD File: SG2-G14-ST005	
Drawing No: ST005	
Scale: 1"=20'	
Page No. 24 of 53	



NOTES

1. For General Structural Notes, Symbols, and Abbreviations, See Dwg No. SG001 to SG004.
2. The configuration shown relative to NIC work is under development and subject to change.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: D Okawa
 Drawn: L Loo
 Checked: A Agapay
 Approved: D Okawa
 Date: 11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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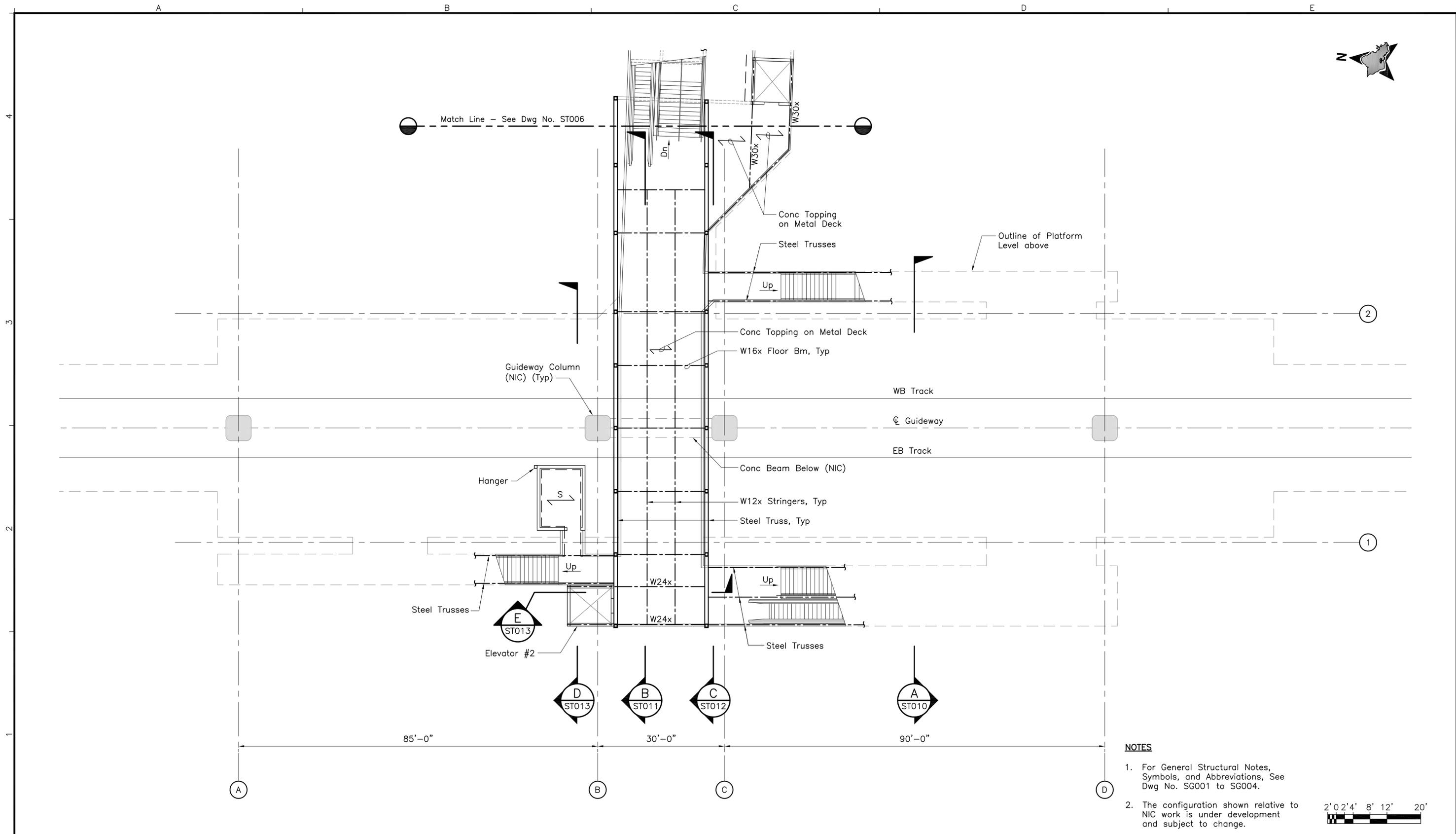
Subconsultant: **NOEI**
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**CHINATOWN STATION
STRUCTURAL
FRAMING PLAN**

CONCOURSE LEVEL - ENTRANCE AREA

Contract No.: SV-542	
CADD File: SG2-G14-ST006	
Drawing No: ST006	Rev.
Scale: 3/32"=1'-0"	
Page No. 25	of 53



- NOTES**
1. For General Structural Notes, Symbols, and Abbreviations, See Dwg No. SG001 to SG004.
 2. The configuration shown relative to NIC work is under development and subject to change.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa

Drawn:
L Loo

Checked:
A Agapay

Approved:
D Okawa

Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

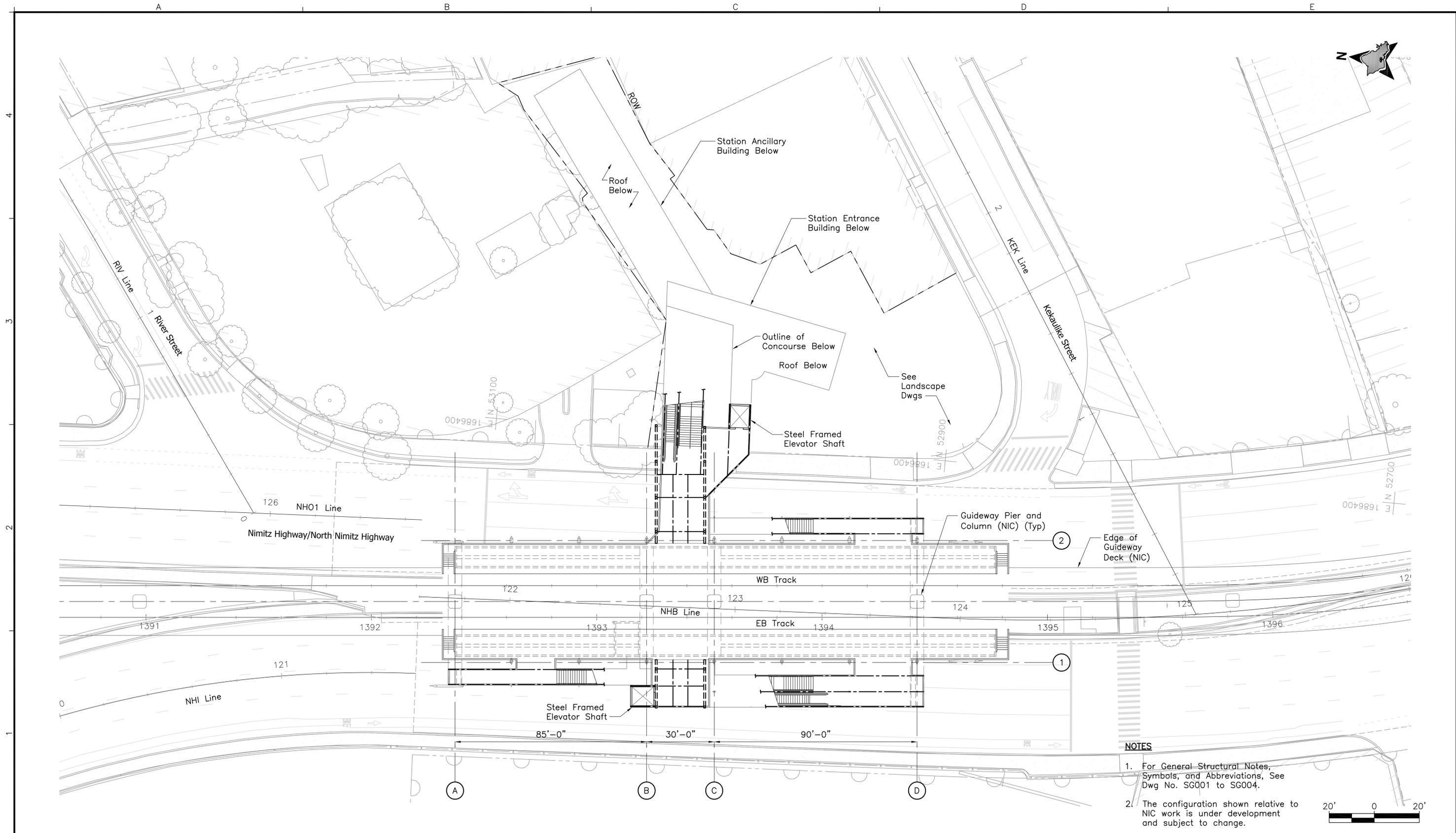
Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant: **NOEI**
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**CHINATOWN STATION
STRUCTURAL
FRAMING PLAN
CONCOURSE LEVEL - PLATFORM AREA**

Contract No.: SV-542	Rev.
CADD File: SG2-G14-ST007	
Drawing No: ST007	Page No. 26 of 53
Scale: 3/32"=1'-0"	



- NOTES**
1. For General Structural Notes, Symbols, and Abbreviations, See Dwg No. SG001 to SG004.
 2. The configuration shown relative to NIC work is under development and subject to change.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa
Drawn:
L Loo
Checked:
A Agapay
Approved:
D Okawa
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

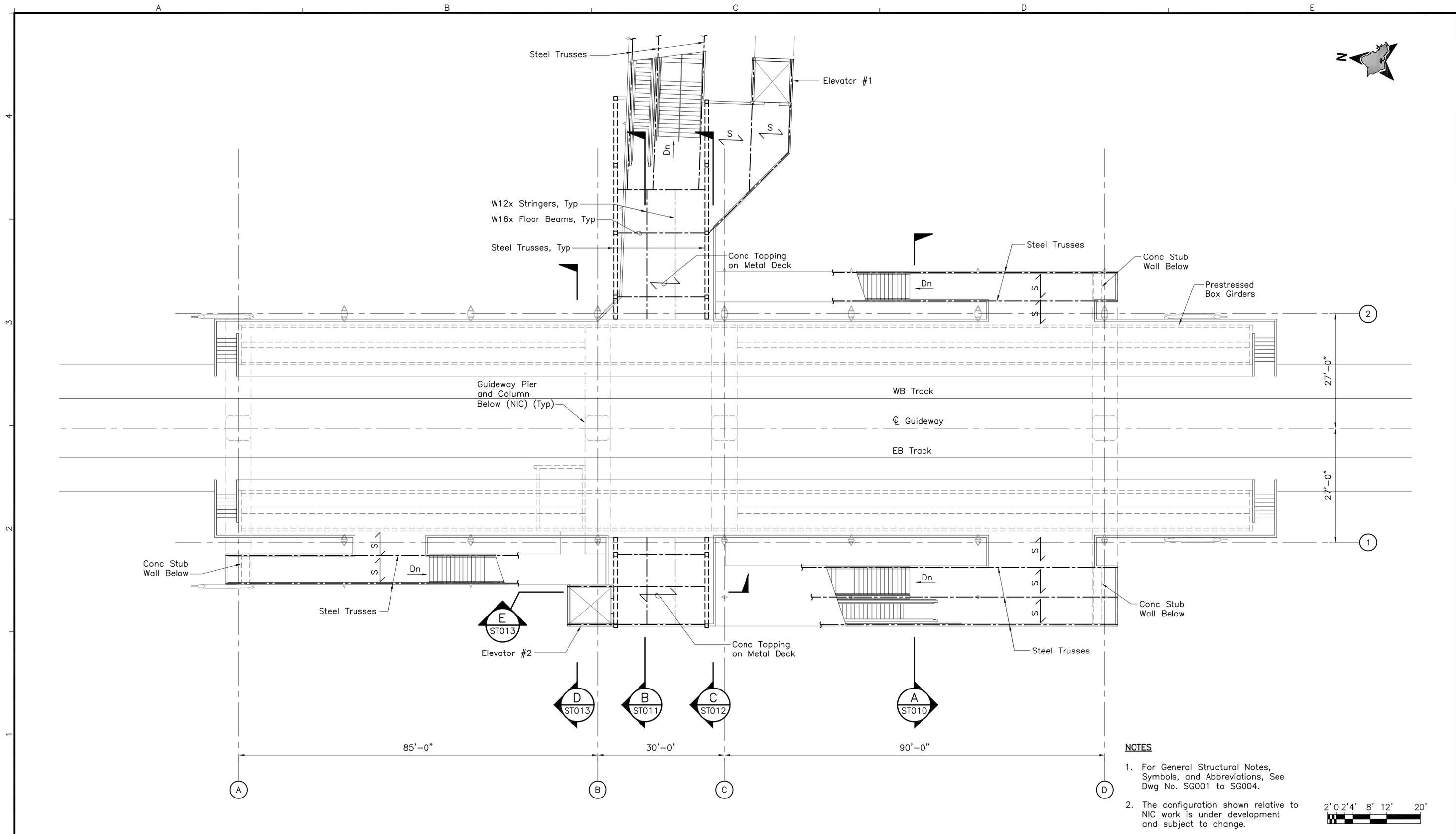
Prime Consultant: **PARSONS BRINCKERHOFF**
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For reduced prints, original page size in inches: 0 1 2 3 4

**CHINATOWN STATION
STRUCTURAL
OVERALL REFERENCE PLAN
PLATFORM LEVEL**

Contract No.:	SV-542
CADD File:	SG2-G14-ST008
Drawing No.:	ST008
Scale:	1"=20'
Page No.:	27 of 53



- NOTES**
1. For General Structural Notes, Symbols, and Abbreviations, See Dwg No. SG001 to SG004.
 2. The configuration shown relative to NIC work is under development and subject to change.

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Okawa
Drawn:
L Loo
Checked:
A Agapay
Approved:
D Okawa
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

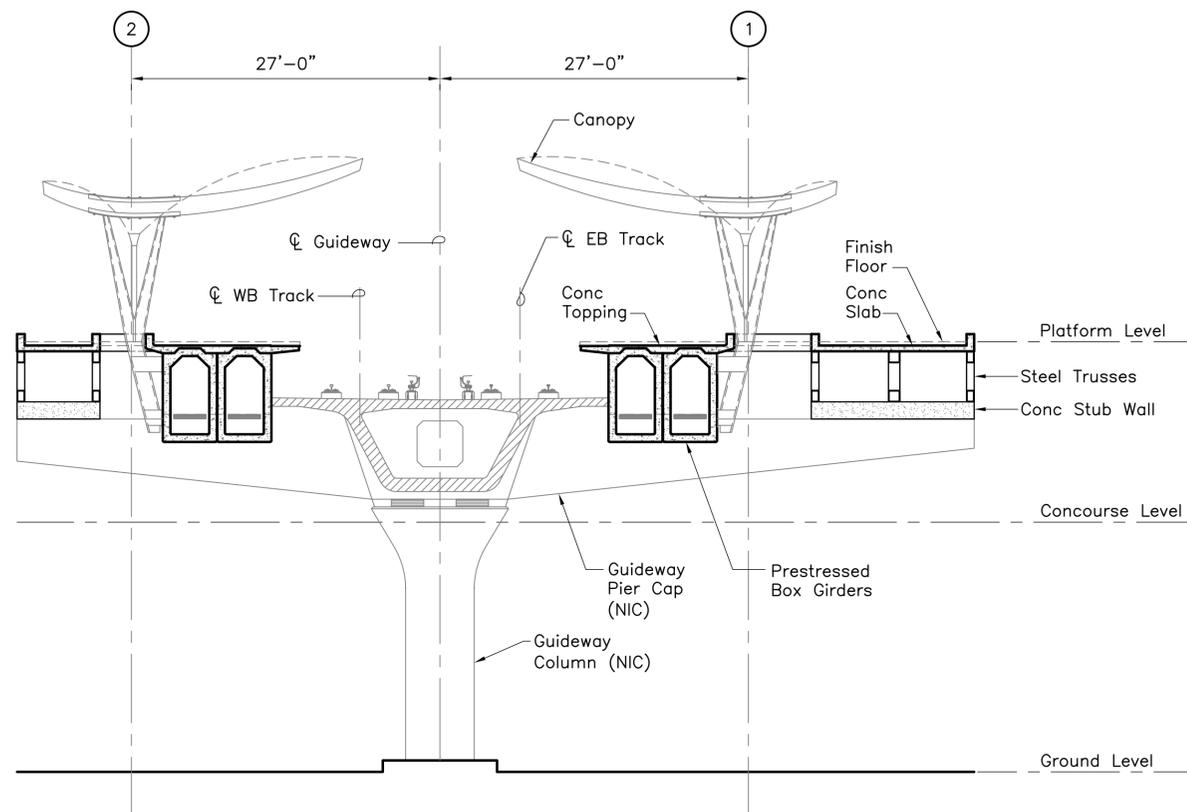
Subconsultant: **NOEI**
NAGAMINE OKAWA ENGINEERS INC.
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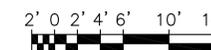
**CHINATOWN STATION
STRUCTURAL
FRAMING PLAN**

PLATFORM LEVEL - PLATFORM AREA

Contract No.: SV-542	Rev.
CADD File: SG2-G14-ST009	
Drawing No: ST009	
Scale: 3/32"=1'-0"	
Page No. 28 of 53	



SECTION A
 1/8"=1'-0"
 ST004
 ST007
 ST009



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**PRELIMINARY
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 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

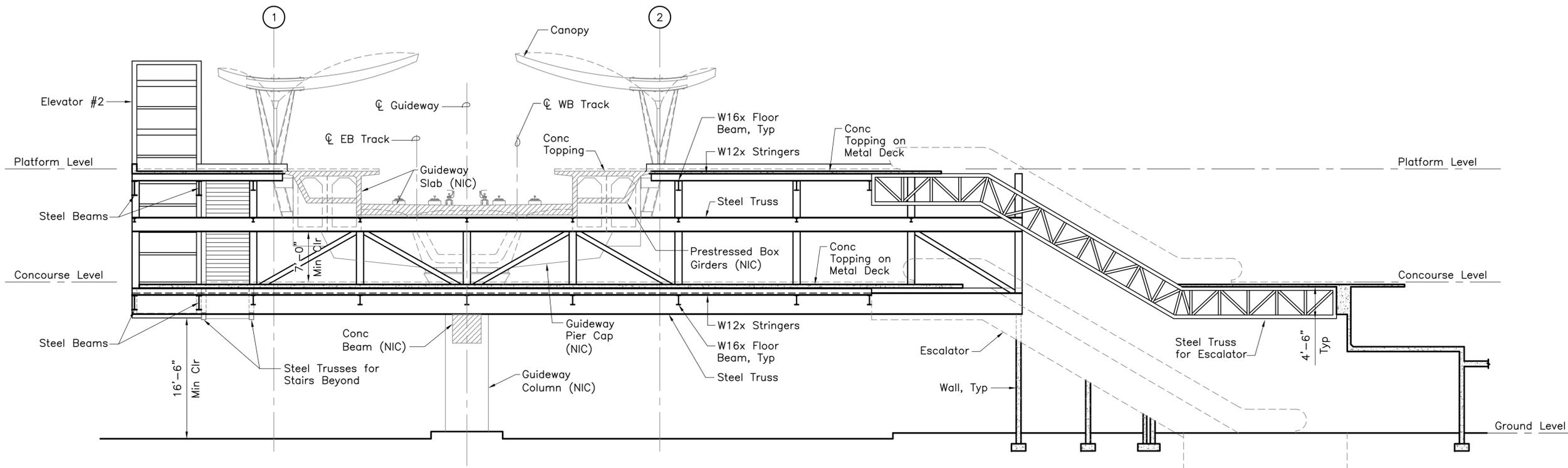
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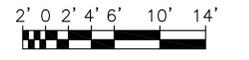
**CHINATOWN STATION
 STRUCTURAL
 SECTION A**

Contract No.: SV-542
 CADD File: SG2-G14-ST010
 Drawing No: ST010 Rev.
 Scale: 1/8"=1'-0"
 Page No. 29 of 53

A B C D E



SECTION B
 1/8"=1'-0"
 ST011
 ST003, ST004
 ST006, ST007
 ST009



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**PRELIMINARY
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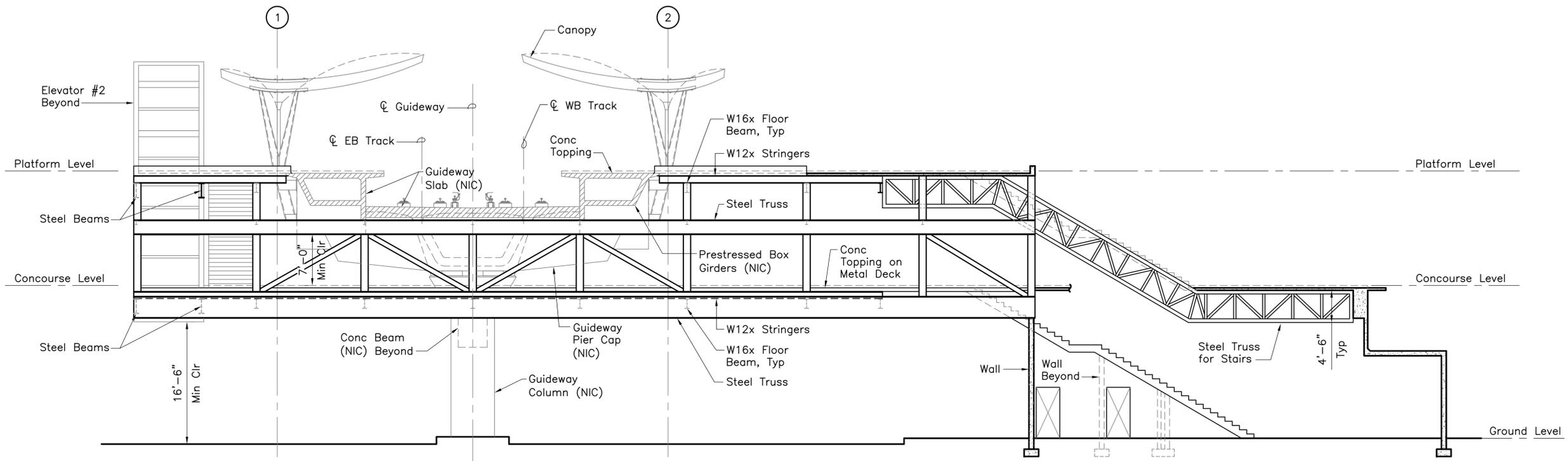
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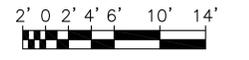
**CHINATOWN STATION
 STRUCTURAL
 SECTION B**

Contract No.: SV-542	
CADD File: SG2-G14-ST011	
Drawing No: ST011	Rev.
Scale: 1/8"=1'-0"	
Page No. 30 of 53	

A B C D E



SECTION C
 1/8"=1'-0"
 ST012
 ST003, ST004
 ST006, ST007
 ST009



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**PRELIMINARY
 ENGINEERING
 SUBJECT TO REVISION**

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D Okawa
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 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

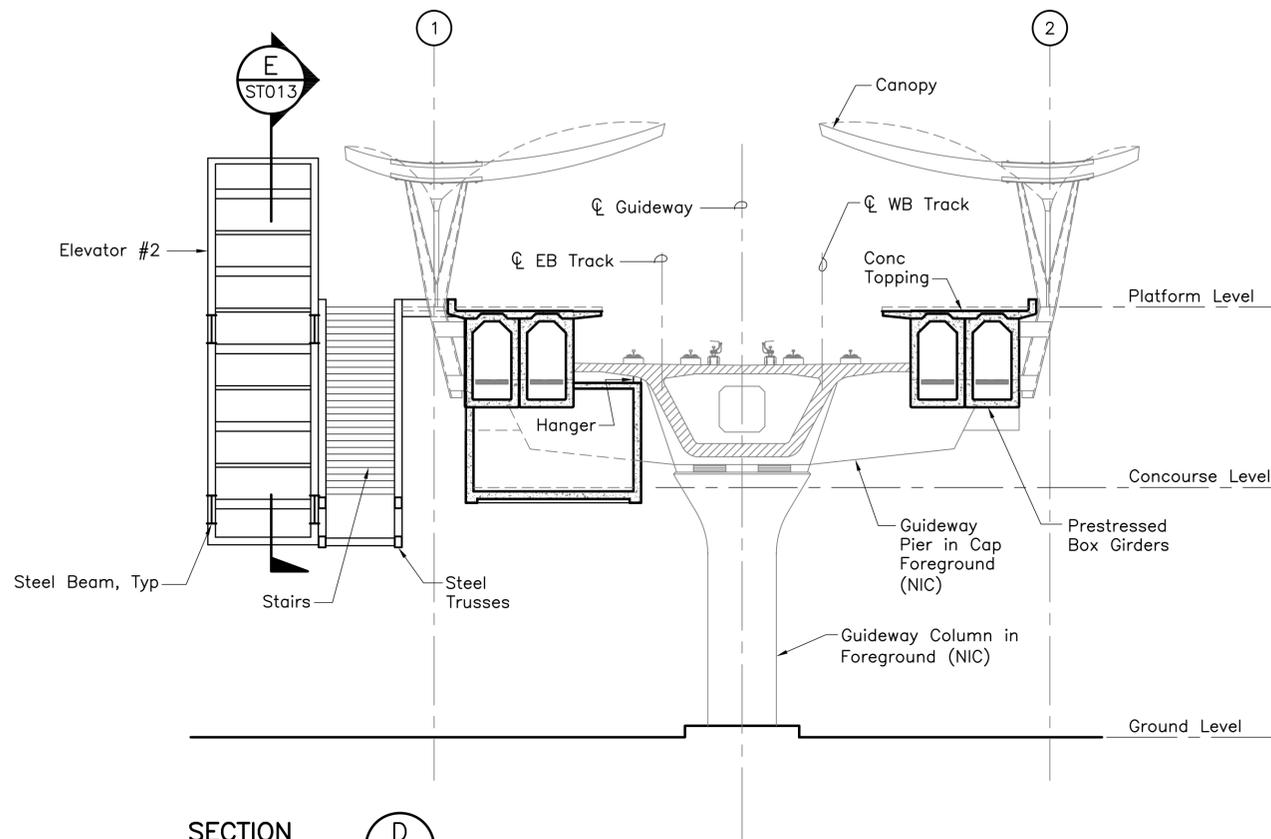
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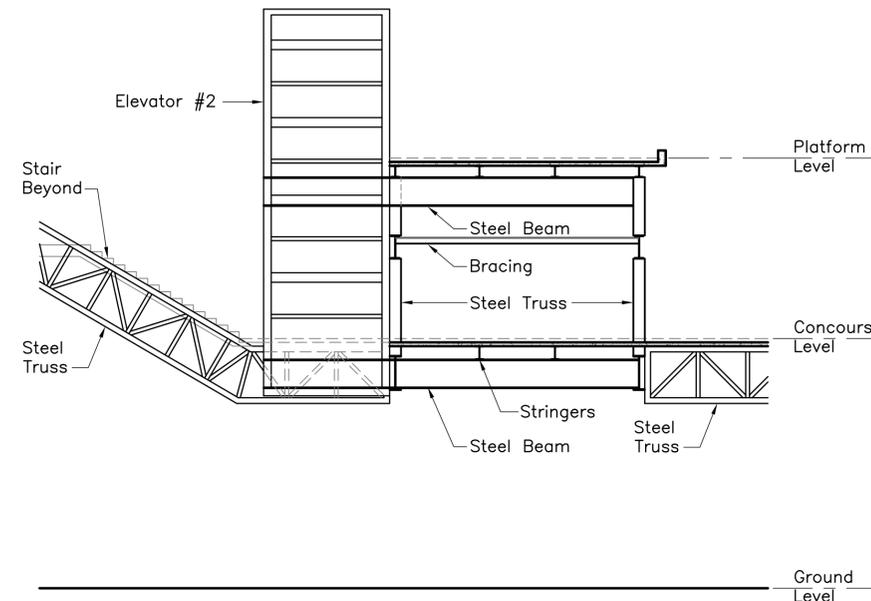
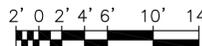
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**CHINATOWN STATION
 STRUCTURAL
 SECTION C**

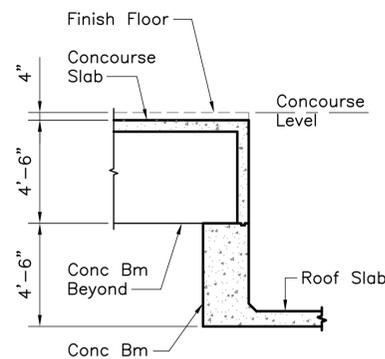
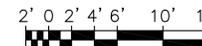
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 CADD File: SG2-G14-ST012
 Drawing No: ST012 Rev.
 Scale: 1/8"=1'-0"
 Page No. 31 of 53



SECTION D
 1/8"=1'-0"
 ST004
 ST007
 ST009



SECTION E
 1/8"=1'-0"
 ST007
 ST009



SECTION F
 1/4"=1'-0"
 ST006



Rev	By	Date	Description

**PRELIMINARY
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 SUBJECT TO REVISION**

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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

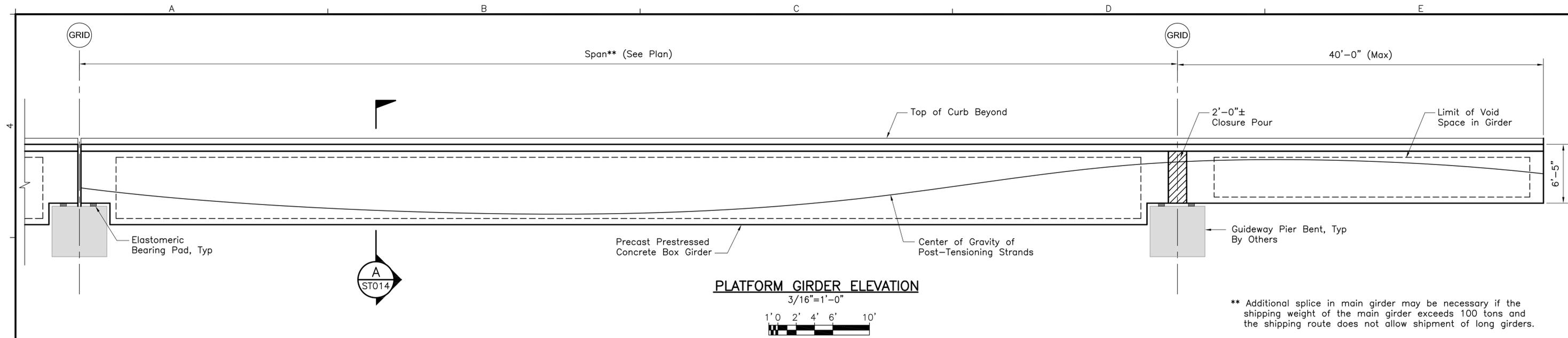
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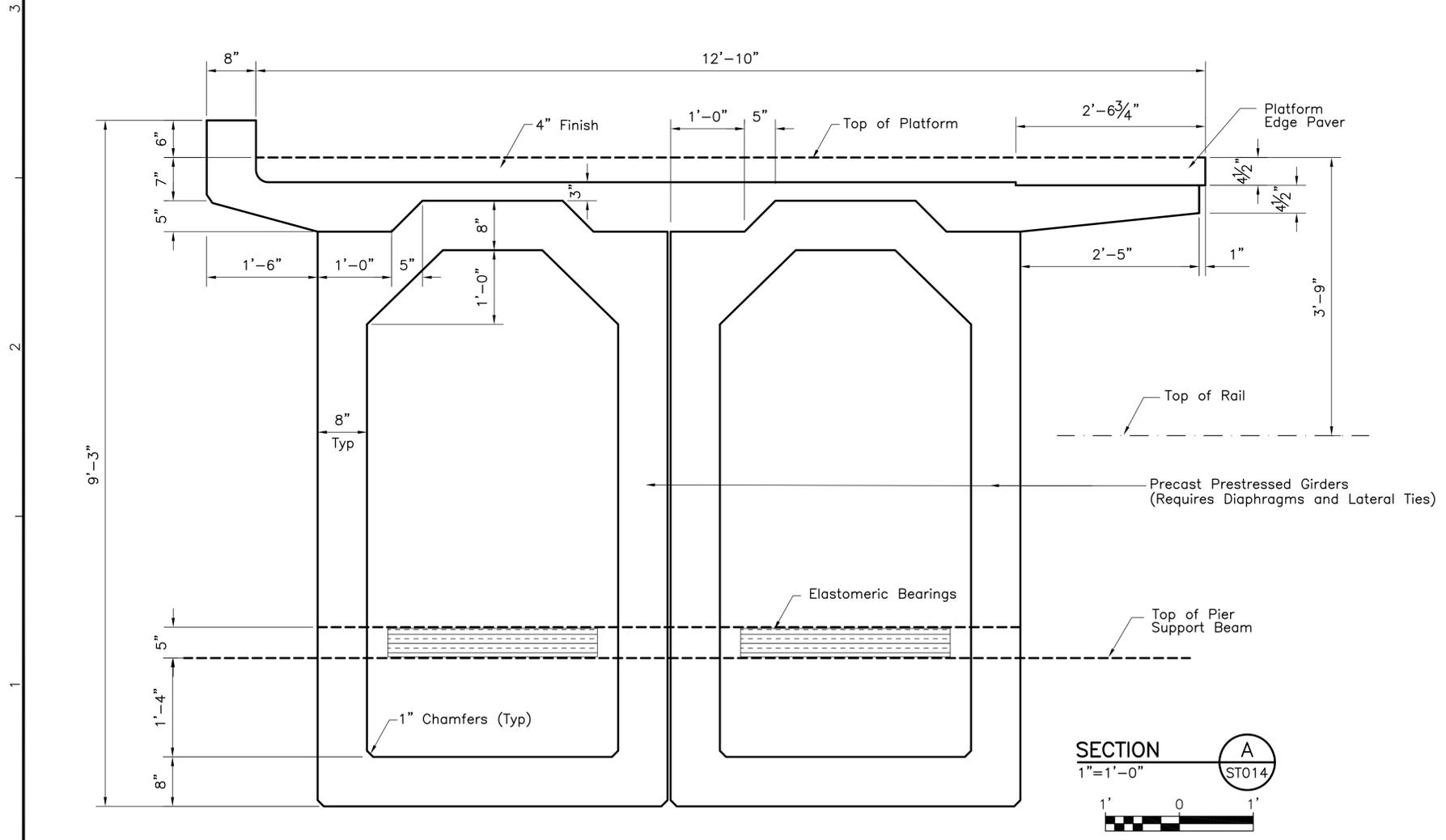
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**CHINATOWN STATION
 STRUCTURAL
 SECTION D, SECTION E & SECTION F**

Contract No.: SV-542	Rev.
CADD File: SG2-G14-ST013	
Drawing No: ST013	
Scale: As Noted	
Page No. 32 of 53	



** Additional splice in main girder may be necessary if the shipping weight of the main girder exceeds 100 tons and the shipping route does not allow shipment of long girders.



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 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

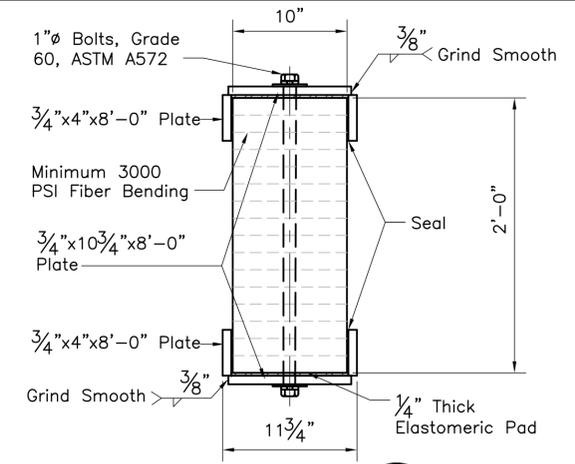
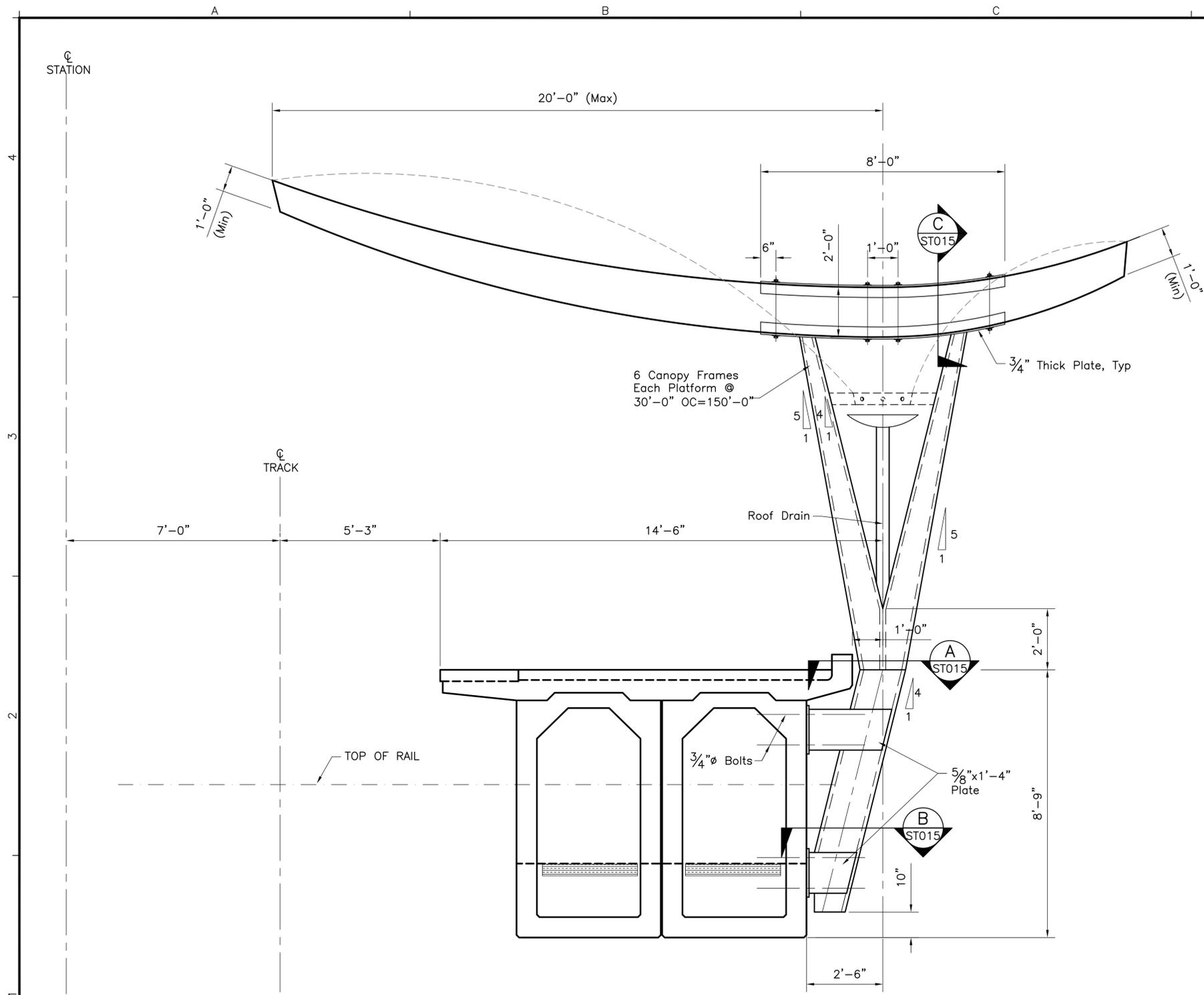
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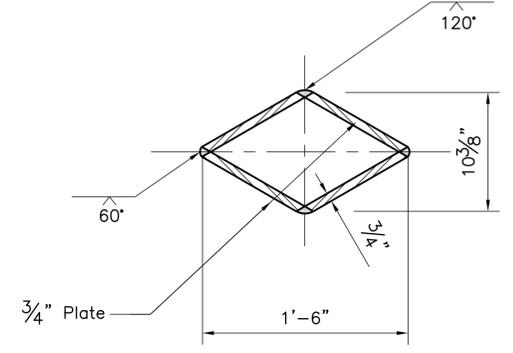
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**CHINATOWN STATION
STRUCTURAL
PLATFORM PRECAST GIRDER
DETAILS**

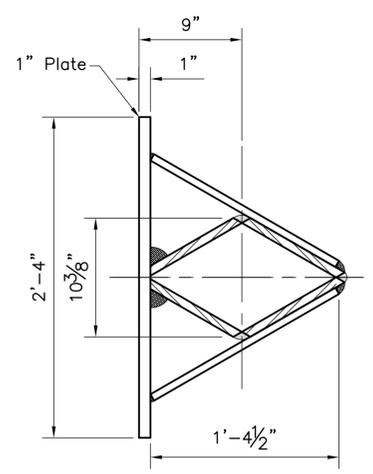
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Scale: As Noted	
Page No. 33 of 53	



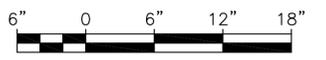
SECTION C
1 1/2"=1'-0"
ST015
DETAIL GLULAM



SECTION A
1 1/2"=1'-0"
ST015



SECTION B
1 1/2"=1'-0"
ST015
STRUCTURAL TUBE



NOTE:
1. See Architectural Directive Drawings for additional canopy details.

PLATFORM CANOPY SECTION
1/2"=1'-0"



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: D Okawa
Drawn: L Loo
Checked: A Agapay
Approved: D Okawa
Date: 11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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Subconsultant: **NOEI**
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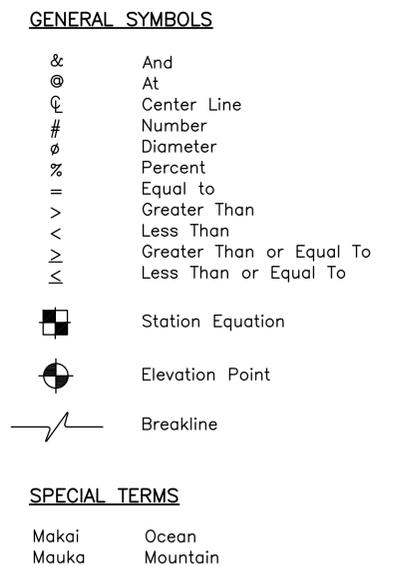
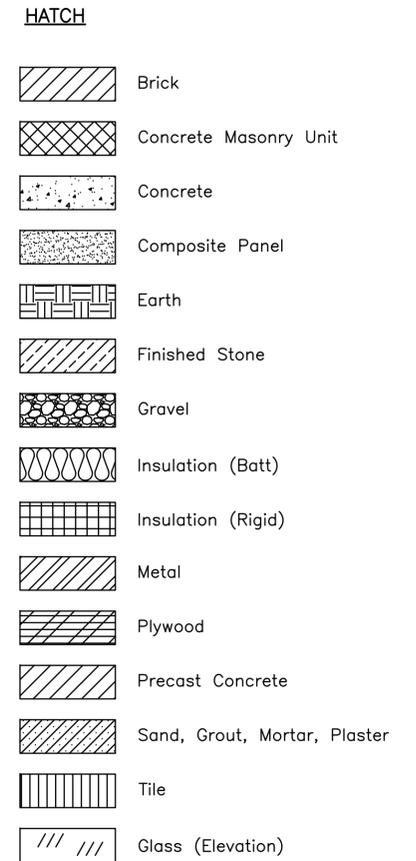
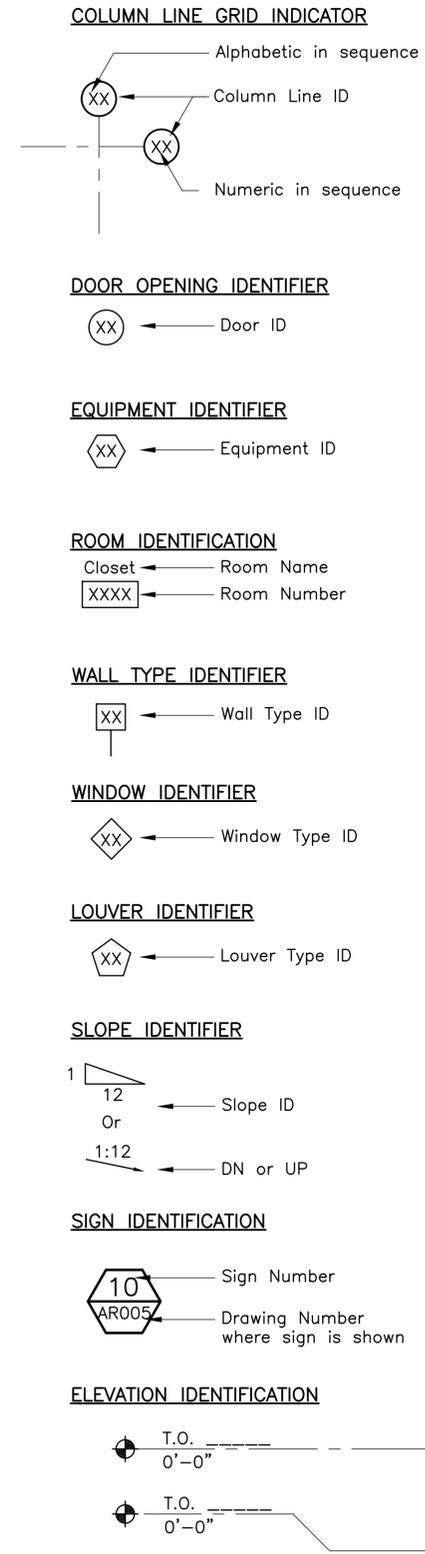
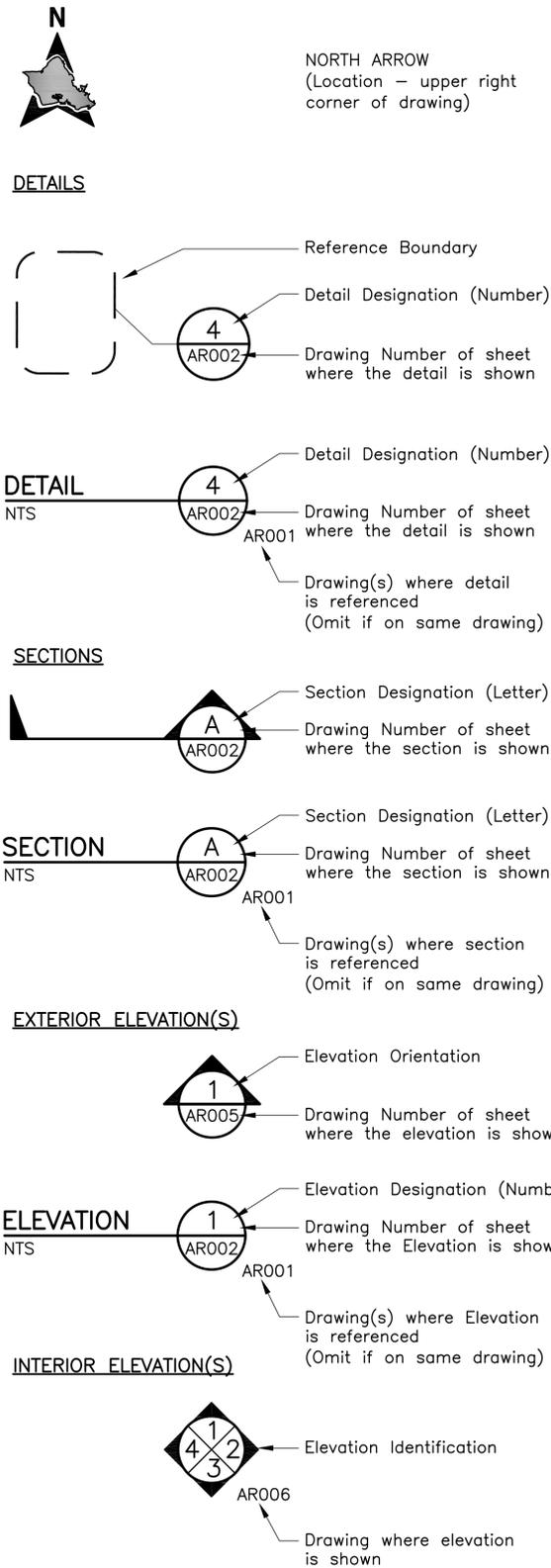
**CHINATOWN STATION
STRUCTURAL
PLATFORM CANOPY
DETAILS**

Contract No.: SV-542	Rev.
CADD File: SG2-G15-ST015	
Drawing No: ST015	
Scale: As Noted	
Page No. 34 of 53	

GENERAL ARCHITECTURAL NOTES

1. Station Designer to Coordinate Limits of Work and Interface with the City Center Guideway Contract.
2. Refer to APPENDIX "A": INFORMATIVE Drawings, for Work Included in the :
 - City Center Guideway Contract &
 - CORE SYSTEMS Design-Build-Operate-Maintenance Contract.
3. Refer to RTD Architectural Standard and Directive Drawings for Sizing, Configuration and Connections for All System Wide Components Including: Escalators, Elevators, Fare Gates and TVM.
4. NOT IN CONTRACT Items (NIC) Include: TVM, Fare Gates, Escalators & Elevator Cars.
5. See RTD Directive Drawings for Canopy Details and Configuration.

ARCHITECTURAL SYMBOLS



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: D Paine
Drawn: L Varkulja
Checked: B Blount
Approved: D Paine
Date: 11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant: **KGP Design Studio**
www.kgpd.com
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1 202 822 2102 1 202 822 2104

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CHINATOWN STATION
**GENERAL ARCHITECTURAL NOTES,
SYMBOLS, AND ABBREVIATIONS**
SHEET 1 OF 3

Contract No.: SV-542	CADD File: SG2-H01-AG001	Drawing No: AG001	Rev.
Scale: N/A			
Page No. 35	of 53		

ARCHITECTURAL ABBREVIATIONS

<p>AB Anchor Bolt Abnd Abandoned Abt About Abv Above Ac Acre(s) Acc Access Acous Acoustical AD Area Drain ADA Americans with Disabilities Act Addl Additional Adh Adhesive Adj Adjacent, Adjust, Adjustable A/E Architect/Engineer AFC Automatic Fare Collection AFF Above Finished Floor Aggr Aggregate Ahd Ahead Alum Aluminum Alt Alternate, Alternative Anch Anchor Anod Anodized AP Access Panel App Approved Approx Approximate Arch. Architect, Architectural ARV Air Relief Valve ASC Above Suspended Ceiling Asph Asphalt Assm Assembly ASTM American Society for Testing & Materials Auto Automatic Aux Auxiliary Ave Avenue Avg Average</p> <p>Ⓟ Baseline Bal Balance BC Bottom of curb Bd Board Beg Begin, Beginning Bet Between Bitum Bituminous Bldg Building Blk Block, Black Blkg Blocking Blvd Boulevard Blw Below Bk Back BM Benchmark Bm Beam Bol Bollard Bot Bottom BP Back Plaster/Plastered Br Bridge Brz Bronze BS Bottom of Slope, Both Sides Bsmt Basement Btw Between Bvl Beveled</p> <p>Ⓒ Centerline C Cable, Celsius Cab Cabinet Cal Caliper Cap Capacity CB Catch Basin CCTV Closed-circuit television Cem Cement Cer Ceramic CF Cubic Feet CG Corner Guard Cham Chamfer Chk Check CI Cast Iron CIP Cast-in-Place Circ Circle, Circular Circum Circumference CJ Construction Joint, Control Joint CL Chain Link Clg Ceiling</p>	<p>Clkg Caulking Clo Closet Clr Clear, Clearance cm Centimeter CMU Concrete Masonry Unit Cnd Conduit Cntr Counter CO Cleanout Col Column Comm Communication Comp Composite, Component, Comparable, Composition Conc Concrete Cond Condition, Conduit Conf Confirm, Confirmation, Conference Conn Connect, Connection, Connector Const Construction Cont Continuous, Continue Contd Continued Corr Correction, Corrugated, Corridor Coord Coordinate Cpr Copper CR Card Reader CT Ceramic Tile Ctr Center Ctsk Countersunk Cu Cubic CY Cubic Yard Cyl Cylinder</p> <p>D Depth D.B.G. Distance Between Guides Dbl Double DD Down Drain Deg Degree Dept Department Desc Description Det Detail DF Drinking Fountain DI Drain Inlet Dia Diameter Diag Diagonal, Diagram Diaph Diaphragm Dim Dimension Dir Direction Disp Dispenser Div Division Dn Down DO Door Opening Dr Door DS Downspout DTA Dovetail Anchor DTS Dovetail Anchor Slot Dwg Drawing Dwy Driveway</p> <p>E East, Electrical ea Each EB Expansion Joint, Eastbound EE Each End EF Each Face EJ Expansion Joint El Elevation Elec Electrical Elev Elevator Emer Emergency EMP Emergency Management Panel Encl Enclosure Eq Equal Eqmt Equipment Esc Escalator etc Et cetera EW Each Way Exh Exhaust Exist Existing Exp Expansion Expo Exposed Ext Exterior, External</p>	<p>F Fahrenheit, Front FA Fire Alarm FAB Fire Alarm Box FAC Fire Alarm Conduit FAI Fresh Air Intake FB Flat Bar FBO Furnished by Others FC Flexible Connection FCO Floor Cleanout FD Floor Drain Fdn Foundation FE Fire Extinguisher FEC Fire Extinguisher Cabinet FFE Finish Floor Elevation FFL Finish Floor Line FG Finish Grade FH Fire Hydrant, Flat Head FHC Fire Hose Cabinet FHV Fire Hose Valve Fig Figure Fin Finish Fl Floor Flex Flexible Flg Flashing Fluor Fluorescent FOC Face of Concrete FOF Face of Finish FOM Face of Masonry FOS Face of Studs FP Fire Protection Fprf Fireproof FR Fire-rated FS Full Size, Fire Service ft Foot, Feet Ftg Footing Furr Furring Fut Future Fwy Freeway</p> <p>G Gas Ga Gauge gal Gallon Galv Galvanized Gar Garage GB Gypsum Board Gen General GFRC Glass Fiber Reinforce Concrete GI Glass GM Gas Meter Gnd Ground Grl Grille Grn Granite GSM Galvanized Sheet metal Gyp Gypsum</p> <p>H High, Horizontal HB Hose Bibb HD Heavy-duty Hdcp Handicap-ADA Compliant HDOT Hawaii Department of Transportation HDPE High-Density Polyethylene (membrane) Hdr Header Hdw Hardware Hex Hexagonal HFD Honolulu Fire Department HH Handhole HM Hollow Metal Horiz Horizontal HP High Point, High Pressure HPD Honolulu Police Department HR Handrail Hr Hour Ht Height HVAC Heating, Ventilation & Air Conditioning HWP High Working Point Hwy Highway Hydr Hydraulic</p>	<p>I Iron ID Inside Diameter, Identification IE Invert Elevation IF Inside Face in. Inch Incl Included, Including, Inclusive Inf Information Inst Install, Instrument Insul Insulation Int Interior, Internal Inv Invert</p> <p>Jan Janitor JB Junction Box JC Janitor's Closet Jct Junction JF Joint Filler Jt(s) Joint(s)</p> <p>kg Kilogram KP Knockout Panel KO Knock Out</p> <p>L Length LA Landscape Architect Lam Laminate Lat Latitude, Lateral Lav Lavatory LB Pound (unit of measurement) LC Landscape Contractor LF Linear Foot Lg Long LH Left Hand Lin Linear Lkr Locker Ln Lane Loc Location Long Longitude, Longitudinal LP Low Point, Light Pole Lt Light, Left Ltg Lighting Lvl Level LW Lightweight LWP Low Working Point L/T Left Track</p> <p>m Meter (unit of measure) Max Maximum MB Mailbox Mech Mechanical Med Medium Mem Membrane Met Metal Mezz Mezzanine Mfr Manufacturer MH Manhole Min Minimum Mir Mirror Misc Miscellaneous mm Millimeter MO Masonry Opening Mod Modified Mtd Mounted Mtg Meeting, Mounting Matl Material Mul Mullion</p>	<p>N North N/A Not Applicable NB Northbound NE Northeast NIC Not in Contract No. (Nos.) Number (Numbers) Nom Nominal NR Non-rated NS Near Side NTS Not to Scale NW Northwest</p> <p>OA Overall Obs Obscure OC On Center OCS Overhead Contact System OD Outside Diameter OF Outside Face OH Overhead Op Opaque Opng Opening Opp Opposite OSA Outside Supply Air oz Ounce O to O Out to Out</p> <p>PNL Panel PA Public Address, Police Alarm Par Parallel Part Partial PB Pullbox PBX Private Branch Exchange PC Precast Concrete Ped Pedestrian, Pedestal Perf Perforated Perm Permanent PG Profile Grade Pg Page PGL Profile Grade Line Ph Phase PL Property Line PI Plate Plas Plaster Platf Platform P Lam Plastic Laminate PLD Plastic Duct PLT Plastic Tile Plum Plumbing Plywd Plywood Pol Police Pr Pair Proj Project, Projection Prop Property PS Point of Switch PSF Pounds Per Square Feet PSI Pounds Per Square Inch Pt(s) Point(s) Ptd Painted PTD/R Paper Towel Dispenser & Receptacle PVC Polyvinyl Chloride Pvmt Pavement Pwr Power</p> <p>QT Quarry Tile qt Quart Qty Quantity Quad Quadrant</p>
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<p>Rev By Date Description</p>	<p>PRELIMINARY ENGINEERING SUBJECT TO REVISION</p>		<p>Designed: D Paine</p>	<p>HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION</p>		<p>CHINATOWN STATION</p>		<p>Contract No.: SV-542</p>
	<p>Drawn: L Varkulja</p>	<p>Prime Consultant: PARSONS BRINCKERHOFF</p>		<p>Subconsultant: KGP Design Studio</p>		<p>GENERAL ARCHITECTURAL NOTES, SYMBOLS, AND ABBREVIATIONS</p>		<p>CADD File: SG2-H01-AG002</p>
	<p>Checked: B Blount</p>	<p>1003 Bishop Street, Suite 2250 - Honolulu, HI 96813</p>		<p>1099 14th Street NW Suite 101L Washington DC 20005 1 202 822 2102 1 202 822 2104</p>		<p>Drawing No: AG002 Rev.</p>		<p>Scale: N/A</p>
	<p>Approved: D Paine</p>	<p>For reduced prints, original page size in inches: 0 1 2 3 4</p>		<p>SHEET 2 OF 3</p>		<p>Page No. 36 of 53</p>		
	<p>Date: 11-25-09</p>							

ARCHITECTURAL ABBREVIATIONS (CONTINUED)

R	Radius	T	Top
RB	Resilient Base	T.O.	Top of
RC	Reinforced Concrete	T&B	Top and Bottom
RCP	Reinforced Concrete Pipe	Tan.	Tangent
RD	Roof Drain	TBD	To Be Determined
Rdwy	Roadway	TC	Top of Curb
Rect	Rectangle	TCCR	Train Control & Communications Room
Ref	Reference	TD	Trench Drain
Refl	Reflect, Reflected, Reflective, Reflector	TDD	Telecommunications Device for the Deaf
Reinf	Reinforce, Reinforcing, Reinforcement	Tel	Telephone
Repl	Replace	Tele	Telescoping
Reqd	Required	Temp	Temporary, Temperature
Resil	Resilient	TG	Top of Grate
Ret	Return, Retain, Retaining	T&G	Tongue and Groove
Rev	Revised, Revision	Thk	Thick, Thickness
Rfg	Roofing	TL	Traffic Light
RH	Right Hand	TOC	Top of Concrete
Rm	Room	TOR	Top of Rail
RO	Rough Opening	TOS	Top of Steel
ROW	Right-of-Way	Tot.	Total
Rt	Right	TOW	Top of Wall
RT	Resilient Tile	TP	Top of Pavement
R/T	Right Track	TPD	Toilet Paper Dispenser
RW	Retaining Wall	TPSS	Traction Power Substation
		Tr	Tread
		TV	Television, Ticket Validator
		TVM	Ticket Vending Machine
		Typ	Typical
S	South	T/C	Top of Curb
San	Sanitary	T/R	Top of Rail
SB	Southbound	T/P	Top of Platform
SC	Solid Core		
SCD	Seat Cover Dispenser	UB	Utility Box
Sch	Schedule	UC	Undercut
SD	Soap Dispenser	UD	Underdrain
SE	Southeast	Unf	Unfinished
Sect	Section	Unk	Unknown
SF	Square Foot, Square Feet	UNO	Unless Noted Otherwise
SFP	Site Finish Plan	UPE	Under Platform Exhaust
Sgl	Single	UR	Urinal
Sht	Sheet	UST	Underground Storage Tank
Sim	Similar	Util	Utility
SIP	Support in Place	UWP	Upper Working Point
SL	Street Light		
SLC	Street Light Conduit	V	Vertical
SLPB	Street Light Pull Box	Vac	Vacuum
SND	Sanitary Napkin Dispenser	Var	Variable, Varies
SNR	Sanitary Napkin Receptacle	VCT	Vinyl Composition Tile
Spa.	Spaces, Spacing	Vent.	Ventilate, Ventilation
Spec	Specification	Vert	Vertical
Spr	Sprinkler	Vest	Vestibule
Sq	Square	Vlv	Valve
SS	Service Sink, Stainless Steel	VMS	Variable Message Sign
St	Street	VoIP	Voice over Internet Protocol
Sta	Station, Stationing	Vt	Vent
Std	Standard		
Stl	Steel	W	West, Wide, Width
Stor	Storage	w/	With
Str	Structure	w/o	Without
Strl	Structural	WB	Westbound
Supv	Supervisor, Supervise	WC	Water Closet
Susp	Suspended	WCR	Wheel Chair Ramp
SW	Southwest	Wd	Wood
SY	Square Yard	Whse	Warehouse
Sym	Symmetrical	Wl	Wrought Iron
Sys	System	Wk	Work
		WL	Water Line
		WM	Water Meter, Water Main
		WP	Work Point
		Wpf	Waterproof, Waterproofing
		WSP	Wet Stand Pipe
		Wt	Weight
		Wtr	Water
		WTW	Wall to Wall
		WV	Water Valve
		WWF	Welded Wire Fabric
		WWM	Welded Wire Mesh

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Paine
Drawn:
L Varkulja
Checked:
B Blount
Approved:
D Paine
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

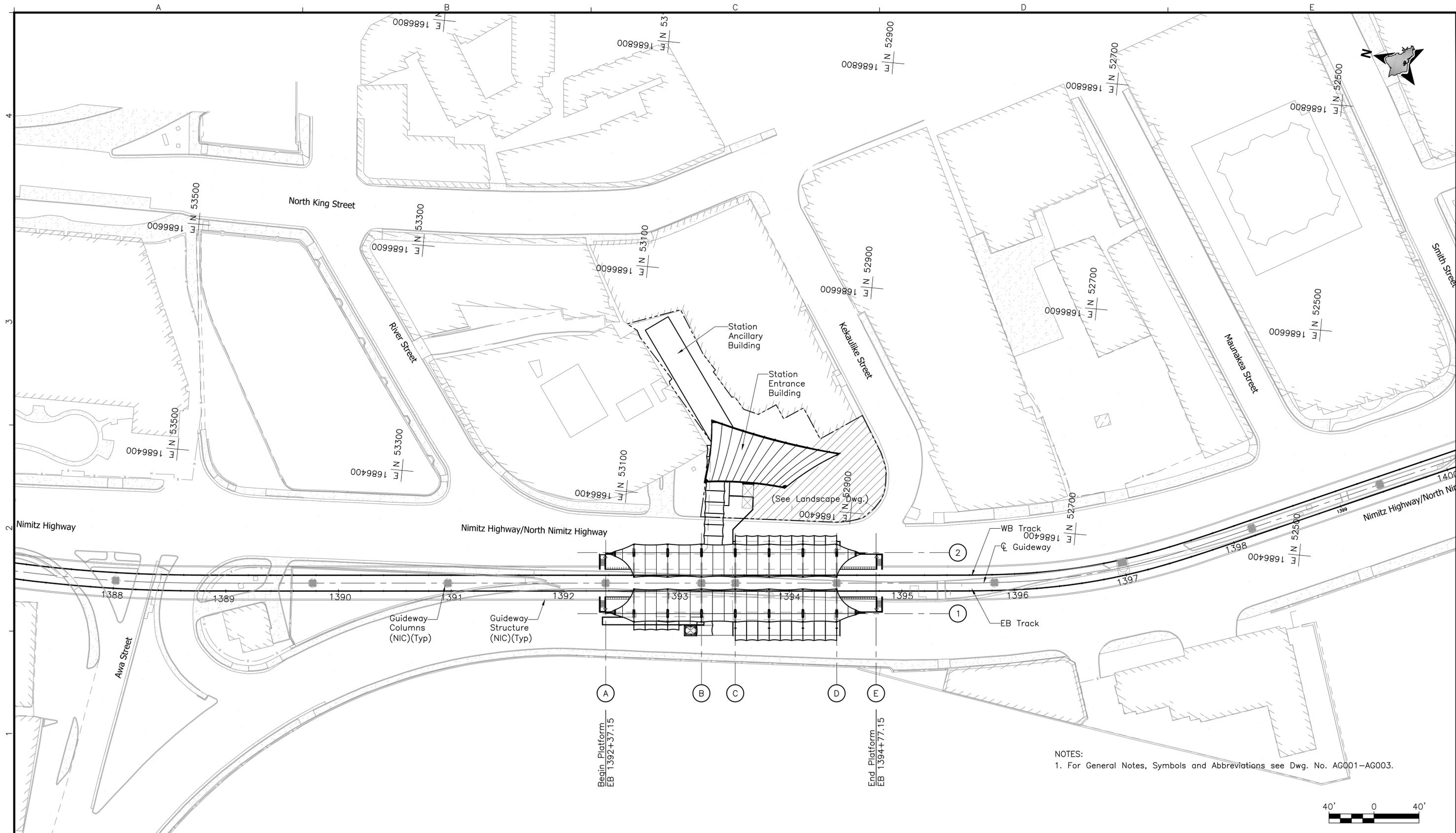
Prime Consultant:
**PARSONS
BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant:
KGP
Design Studio
www.kgpds.com
1099 14th Street NW Suite 101L Washington DC 20005
t 202 822 2102 f 202 822 2104

CHINATOWN STATION
**GENERAL ARCHITECTURAL NOTES,
SYMBOLS, AND ABBREVIATIONS**

SHEET 3 OF 3

Contract No.:
SV-542
CADD File:
SG2-H01-AG003
Drawing No: AG003 Rev.
Scale:
N/A
Page No. 37 of 53



NOTES:
 1. For General Notes, Symbols and Abbreviations see Dwg. No. AG001-AG003.

Rev	By	Date	Description

**PRELIMINARY
 ENGINEERING
 SUBJECT TO REVISION**

Designed:
D Paine
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B Blount
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D Paine
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11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

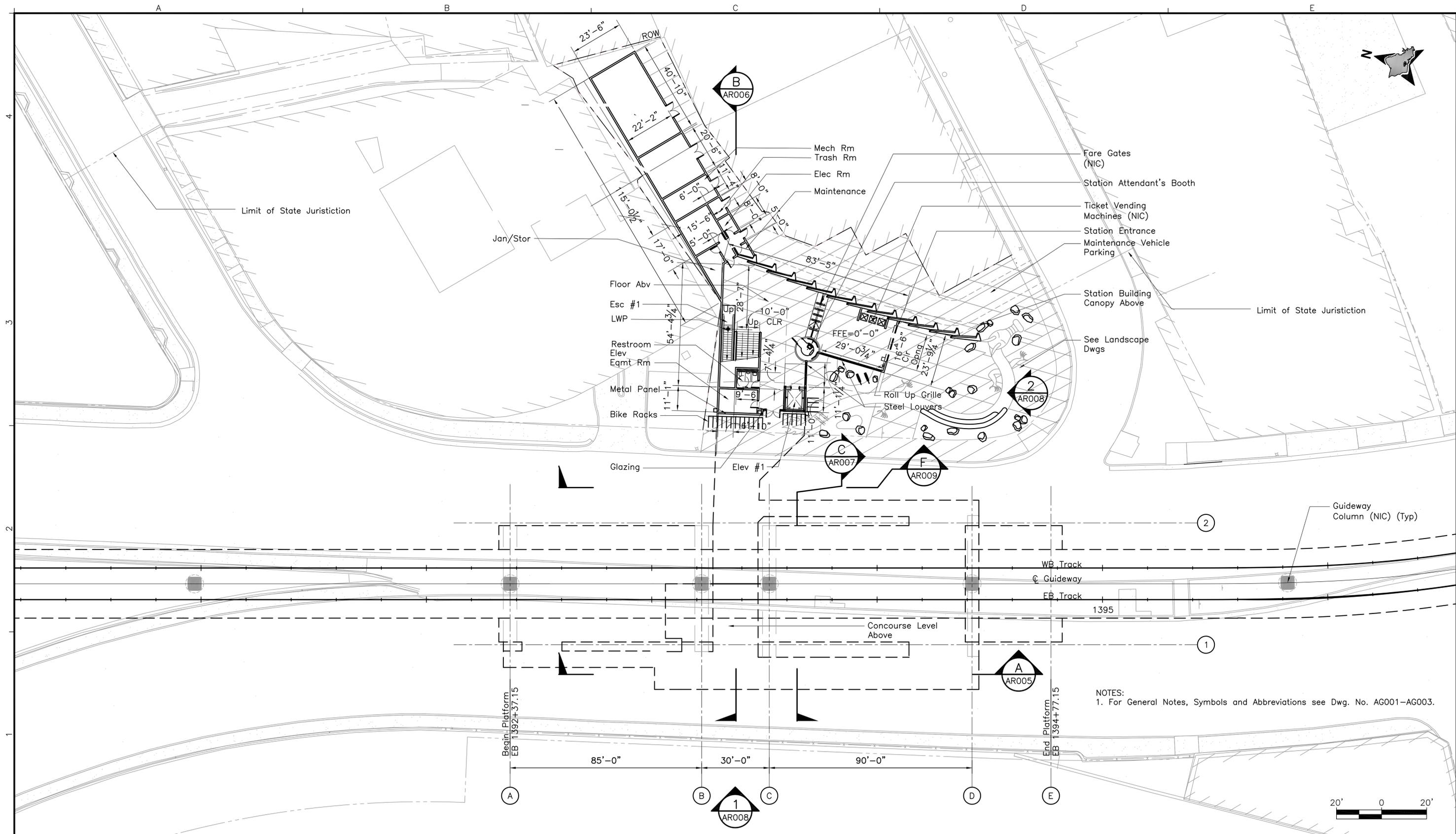
Subconsultant: **KGP Design Studio**
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 1202 822 2102 1202 822 2104

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CHINATOWN STATION

ARCHITECTURAL SITE PLAN

Contract No.: SV-542
 CADD File: SG2-H02-AR001
 Drawing No: AR001 Rev.
 Scale: 1" = 40'
 Page No. 38 of 53



NOTES:
 1. For General Notes, Symbols and Abbreviations see Dwg. No. AG001-AG003.



Rev	By	Date	Description

**PRELIMINARY
 ENGINEERING
 SUBJECT TO REVISION**

Designed:
D Paine
 Drawn:
L Varkulja
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D Paine
 Date:
11-25-09

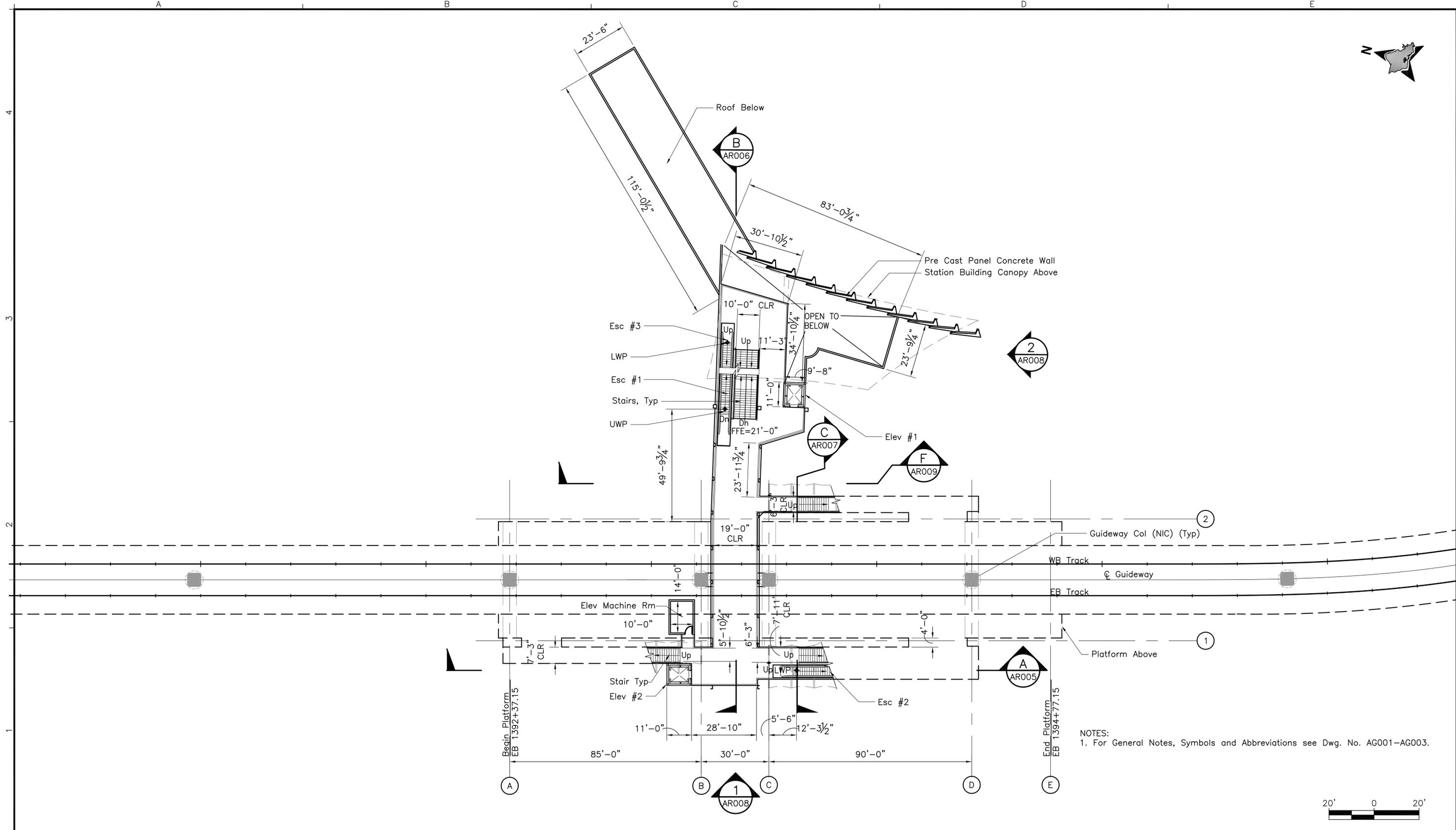
HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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Subconsultant: **KGP Design Studio**
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CHINATOWN STATION
GROUND LEVEL FLOOR PLAN

Contract No.: SV-542
 CADD File: SG2-H03-AR002
 Drawing No: AR002 Rev.
 Scale: 1" = 20'
 Page No. 39 of 53



NOTES:
 1. For General Notes, Symbols and Abbreviations see Dwg. No. AG001-AG003.

Rev	By	Date	Description

**PRELIMINARY
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Designed:
D Paine
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11-25-09

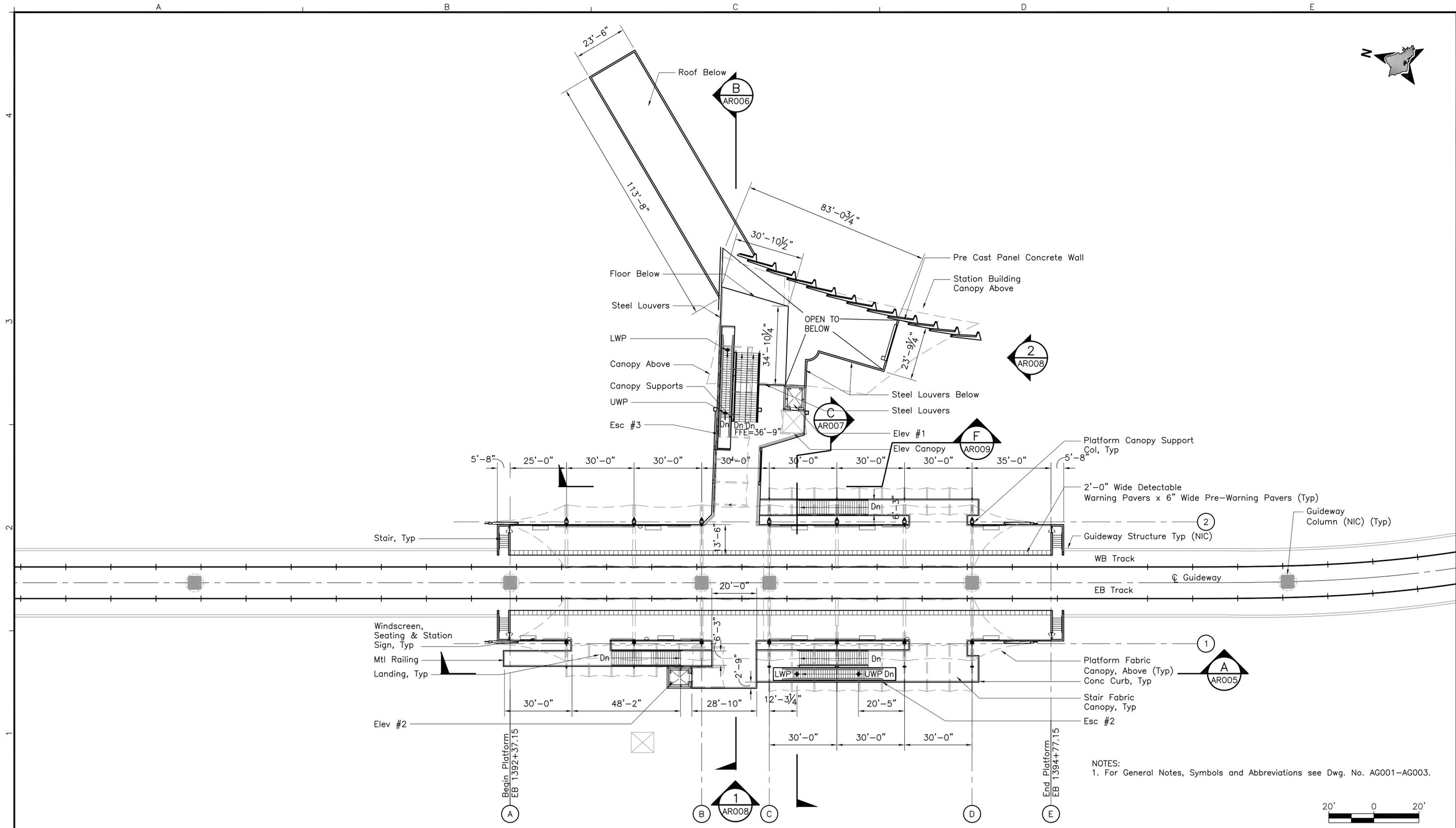
HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

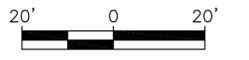
Subconsultant: **KGP Design Studio**
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 1 202 822 2102 1 202 822 2104

CHINATOWN STATION
CONCOURSE LEVEL FLOOR PLAN

Contract No.:	SV-542
CADD File:	SG2-H03-AR003
Drawing No:	AR003
Scale:	1" = 20'
Page No.	40 of 53



NOTES:
 1. For General Notes, Symbols and Abbreviations see Dwg. No. AG001-AG003.



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Designed:
D Paine
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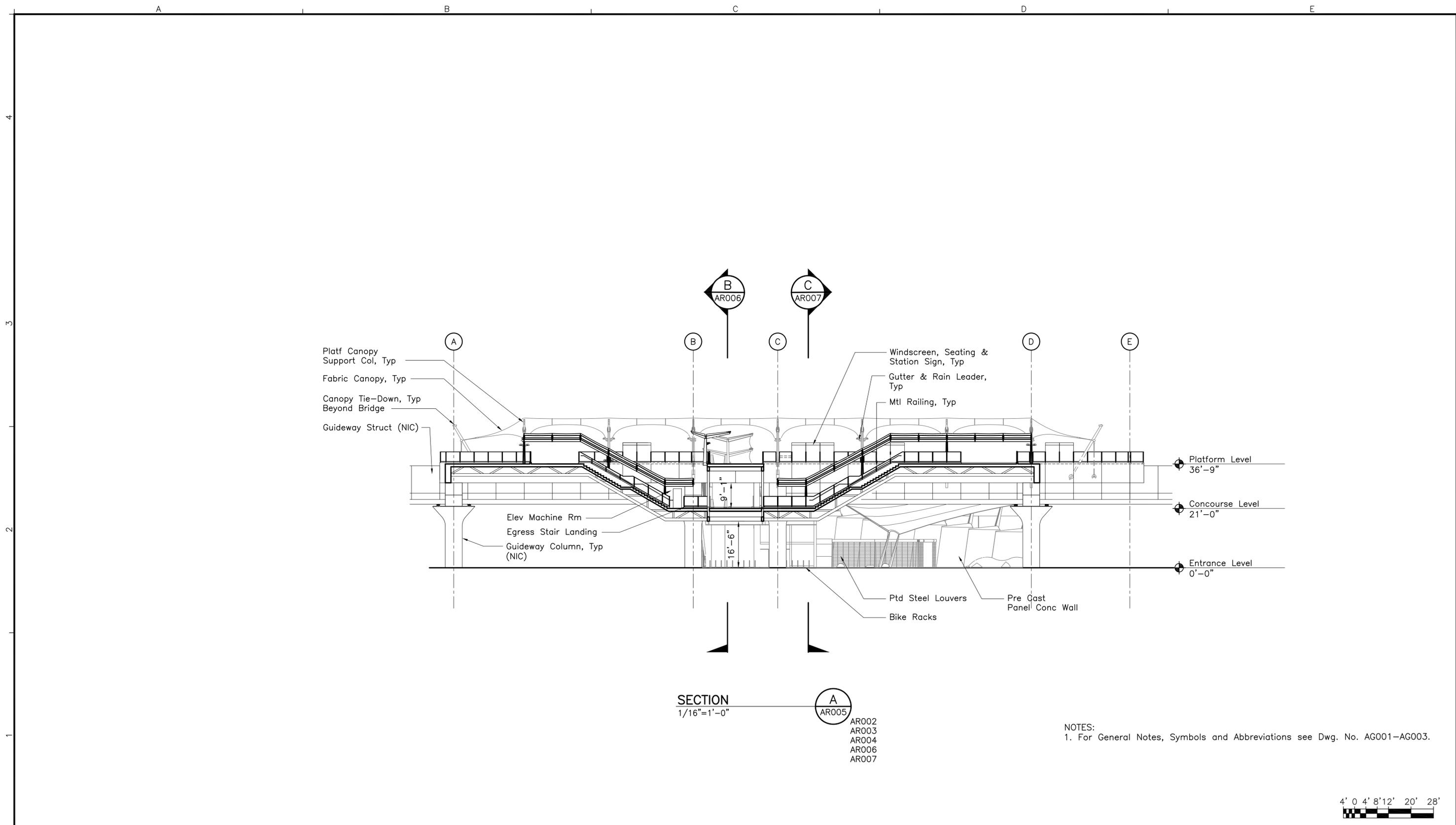
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Prime Consultant: **PARSONS BRINCKERHOFF**
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CHINATOWN STATION
PLATFORM LEVEL PLAN

Contract No.: SV-542	
CADD File: SG2-H03-AR004	
Drawing No: AR004	Rev.
Scale: 1" = 20'	
Page No. 41	of 53



SECTION
1/16"=1'-0"

A
AR005
AR002
AR003
AR004
AR006
AR007

NOTES:
1. For General Notes, Symbols and Abbreviations see Dwg. No. AG001-AG003.



Rev	By	Date	Description

**PRELIMINARY
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Designed:
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Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

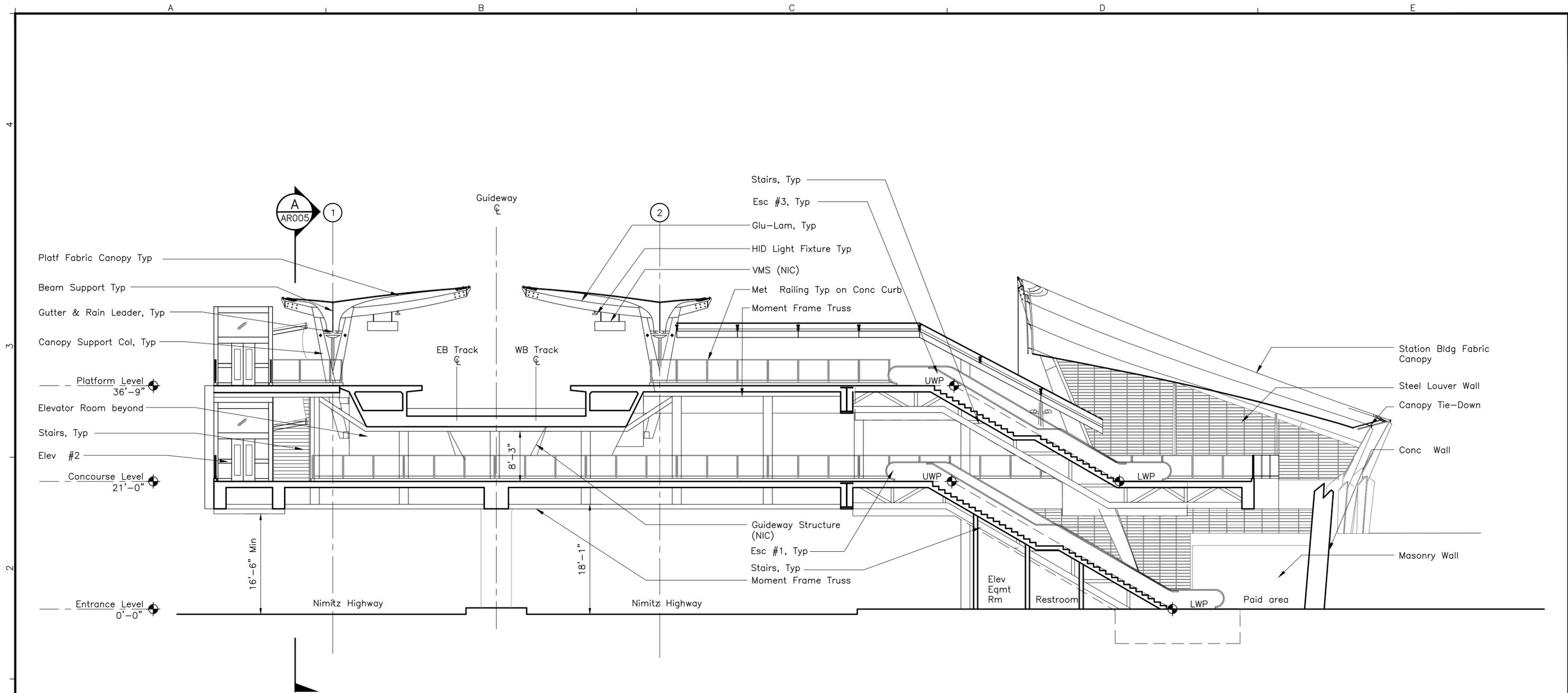
Prime Consultant: **PARSONS BRINCKERHOFF**
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CHINATOWN STATION
LONGITUDINAL SECTION

Contract No.: SV-542
CADD File: SG2-H05-AR005
Drawing No: AR005 Rev.
Scale: 1/16" = 1'-0"
Page No. 42 of 53



SECTION
1/8"=1'-0"

B
AR006

- AR002
- AR003
- AR004
- AR005
- AR008

NOTES:
1. For General Notes, Symbols and Abbreviations see Dwg No. AG001-AG003.



Rev	By	Date	Description

**PRELIMINARY
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Designed:
D Paine
Drawn:
L Varkulja
Checked:
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D Paine
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

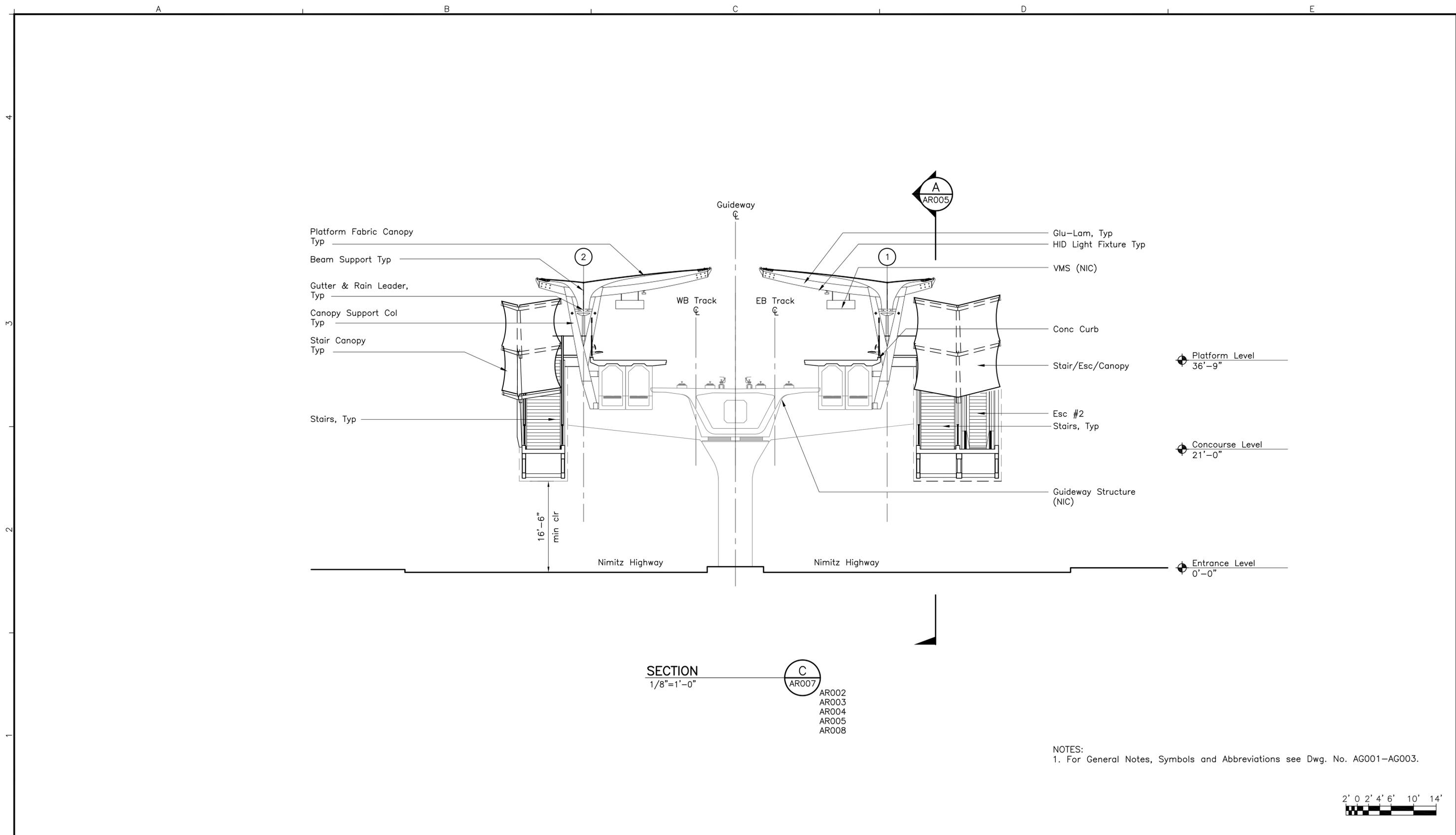
Prime Consultant: **PARSONS BRINCKERHOFF**
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CHINATOWN STATION
CROSS SECTION
SHEET 1 OF 2

Contract No.: SV-542	
CADD File: SG2-H05-AR006	
Drawing No: AR006	Rev.
Scale: 1/8" = 1'-0"	
Page No. 43	of 53



SECTION
1/8"=1'-0"
C
AR007

- AR002
- AR003
- AR004
- AR005
- AR008

NOTES:
1. For General Notes, Symbols and Abbreviations see Dwg. No. AG001-AG003.



Rev	By	Date	Description

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Designed:
D Paine
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B Blount
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D Paine
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

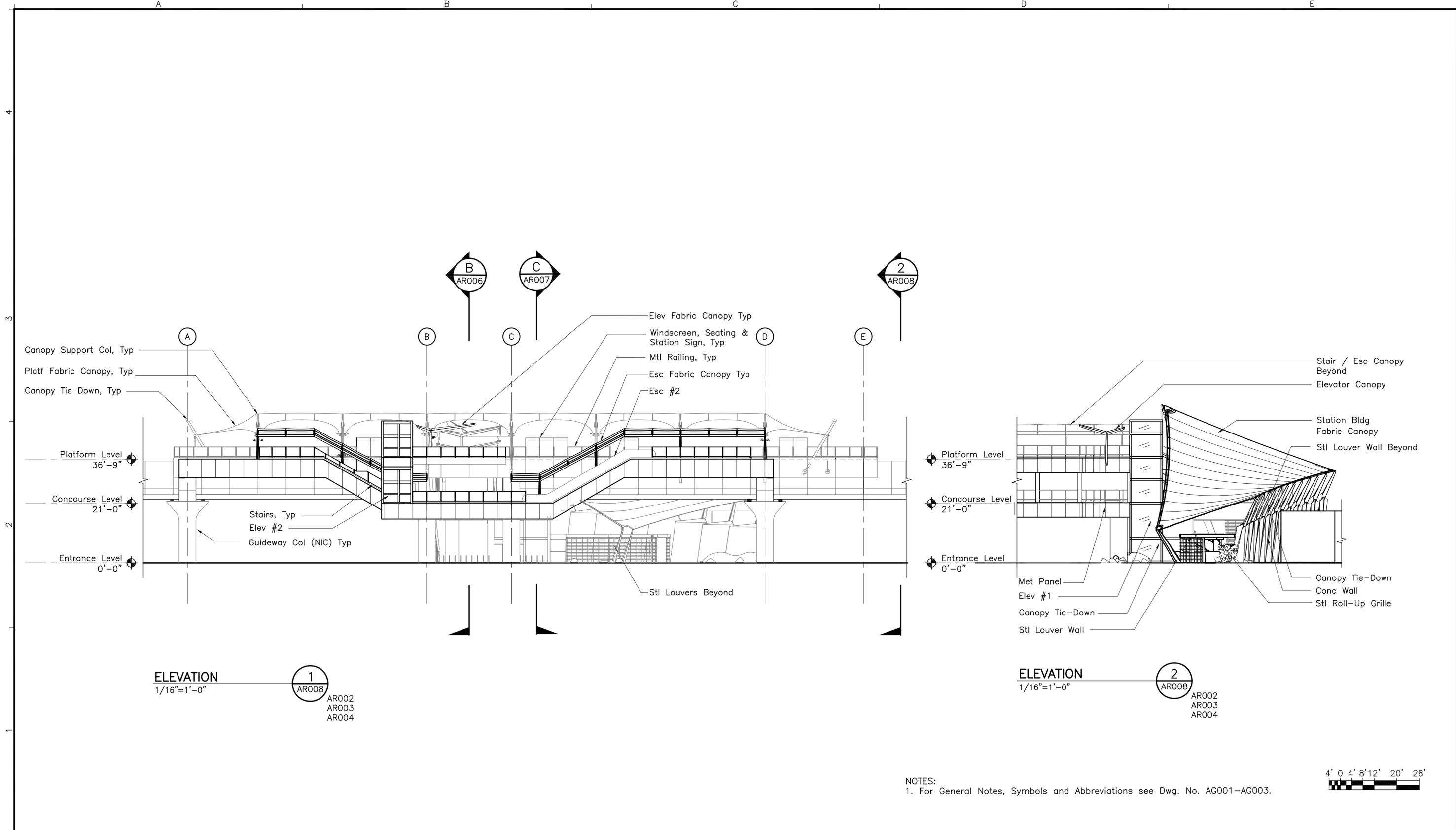
Prime Consultant: **PARSONS BRINCKERHOFF**
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t 202 822 2102 f 202 822 2104

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CHINATOWN STATION
CROSS SECTION
SHEET 2 OF 2

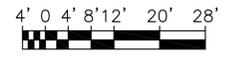
Contract No.: SV-542
CADD File: SG2-H05-AR007
Drawing No: AR007
Scale: 1/8"= 1'-0"
Page No. 44 of 53



ELEVATION
1/16"=1'-0"
1
AR008
AR002
AR003
AR004

ELEVATION
1/16"=1'-0"
2
AR008
AR002
AR003
AR004

NOTES:
1. For General Notes, Symbols and Abbreviations see Dwg. No. AG001-AG003.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
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Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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CHINATOWN STATION

ELEVATIONS

SHEET 1 OF 2

Contract No.: SV-542	
CADD File: SG2-H06-AR008	
Drawing No: AR008	Rev.
Scale: 1/16" = 1'-0"	
Page No. 45	of 53

A

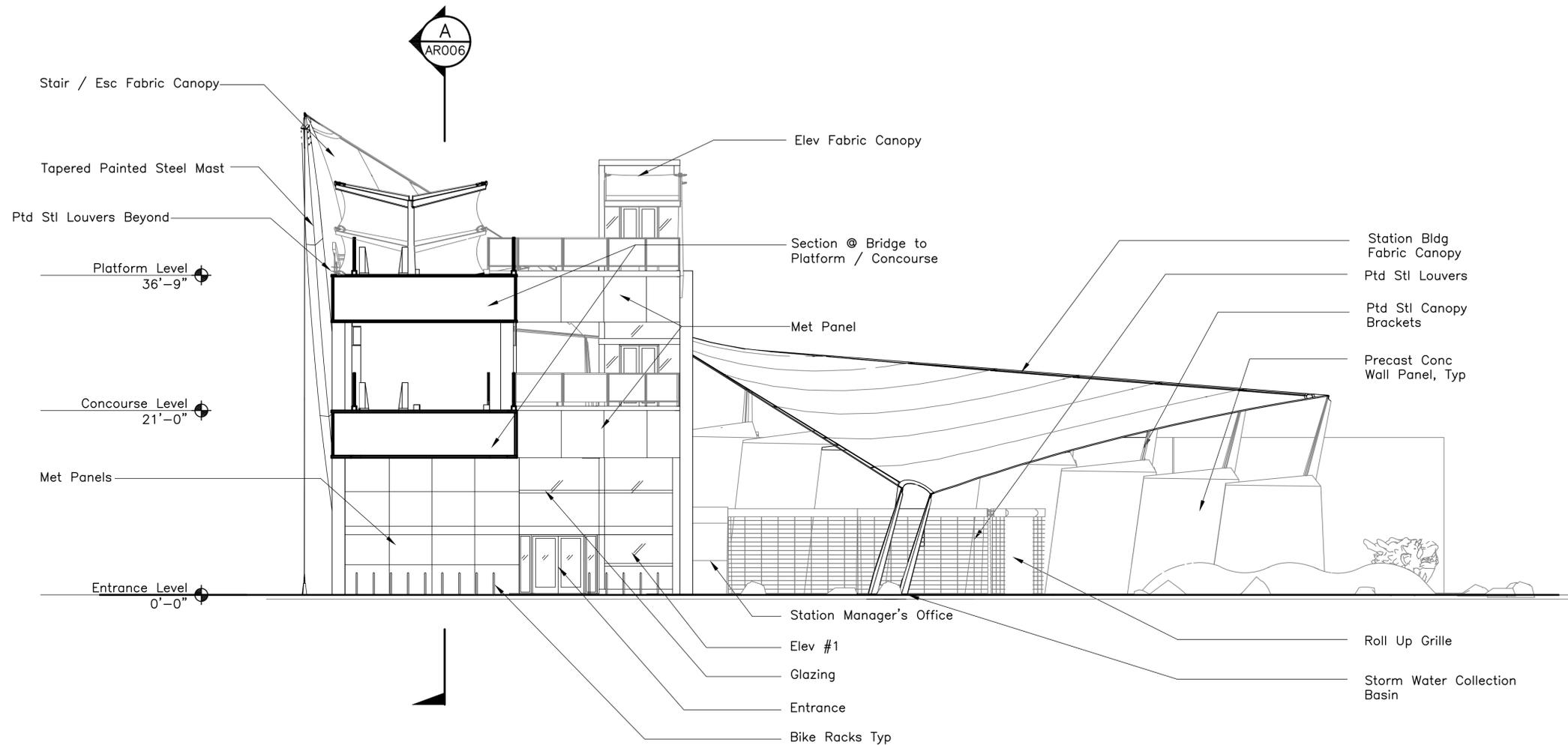
B

C

D

E

4
3
2
1

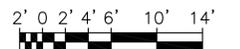


ELEVATION
1/8"=1'-0"

F
AR009

AR002
AR003
AR004

NOTES:
1. For General Notes, Symbols and Abbreviations see Dwg. No. AG001-AG003.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Paine
Drawn:
L Varkulja
Checked:
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D Paine
Date:
11-25-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

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1 202 822 2102 1 202 822 2104

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CHINATOWN STATION
ELEVATIONS
SHEET 2 OF 2

Contract No.: SV-542
CADD File: SG2-H06-AR009
Drawing No: AR009 Rev.
Scale: 1/8"= 1'-0"
Page No. 46 of 53

4
3
2
1

A

B

C

D

E



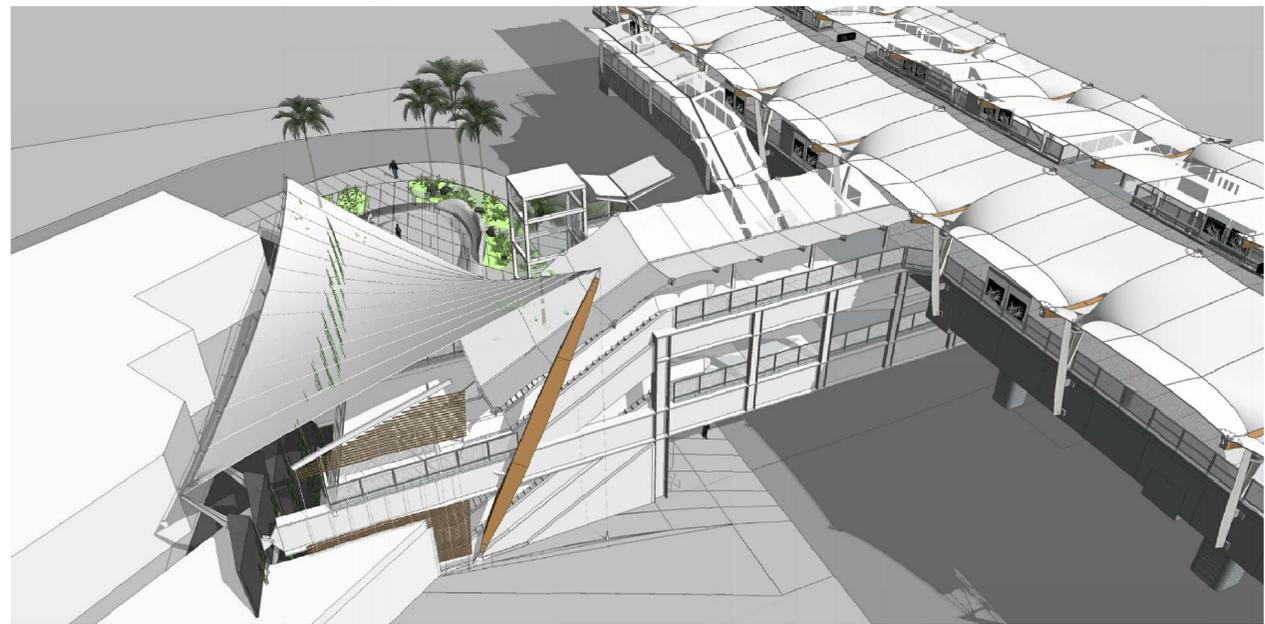
PERSPECTIVE VIEW
NTS

A
AR010



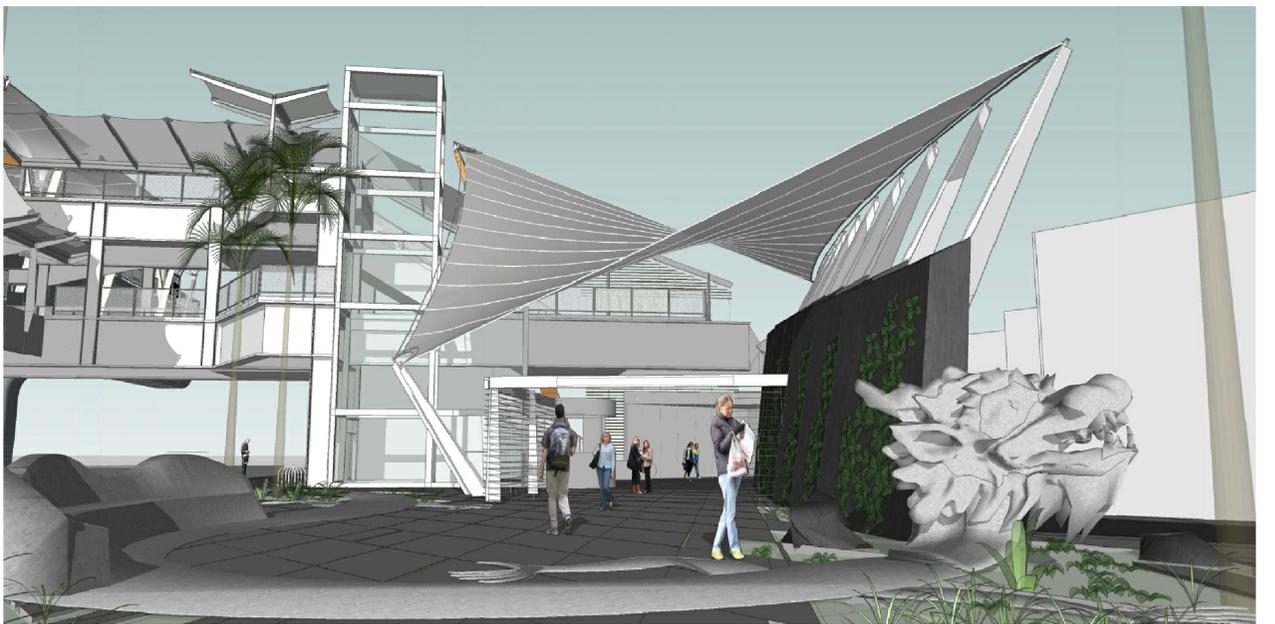
PERSPECTIVE VIEW
NTS

B
AR010



PERSPECTIVE VIEW
NTS

C
AR010



PERSPECTIVE VIEW
NTS

D
AR010

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Designed: D Paine Drawn: L Varkulja Checked: B Blount Approved: D Paine Date: 11-25-09	Prime Consultant: PARSONS BRINCKERHOFF 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813 For reduced prints, original page size in inches: 0 1 2 3 4
Subconsultant: KGP Design Studio www.kgpds.com 1099 14th Street NW Suite 101L Washington DC 20005 t 202 822 2102 f 202 822 2104	Contract No.: SV-542 CADD File: SG2-H07-AR010 Drawing No: AR010 Rev. Scale: NTS Page No. 47 of 53

CHINTOWN STATION

3D VIEWS

GENERAL NOTES

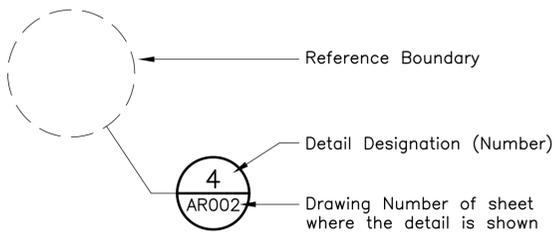
1. "EB Track" denotes the centerline of the Eastbound Track. "WB Track" denotes the centerline of the Westbound Track.
2. Origin of Coordinates: Hawaii State Plan Coordinate Grid System, Zone III with the North American Datum of 83 High Accuracy Reference Network (NAD83 HARN).
3. The proposed WB Track alignment stationing equals to the proposed EB Track alignment stationing in all parallel tangent sections. Station equations are given at the endpoint of each westbound curve.
4. Underground facilities, poles, structures, and utilities have been plotted from available surveys and records. Their locations must be considered approximate only. There may be others, the existence of which is at present unknown. Verification of all the locations, shown or not shown, will be the responsibility of the contractor.
5. The existing conditions shown hereon are based on LiDAR data collected in September and October of 2007, supplemental ground surveys were performed between September of 2007 and December of 2008, and record information from various design projects either constructed, under construction, or proposed. The selected designer is responsible for verifying existing conditions prior to supplying advanced design documents to the RTD.
6. Contact the Hawaii Department of Transportation (HDOT) and/or the City and County of Honolulu for additional plan sheet details not included in the Standard Details Summary and Standard Plans Summary plan sheets.

SYMBOLS

NORTH ARROW
(Location – upper right corner of drawing)



DETAILS

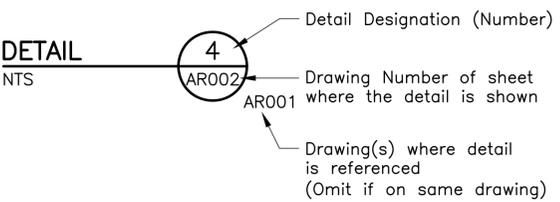


Reference Boundary

Detail Designation (Number)

Drawing Number of sheet where the detail is shown

DETAIL
NTS

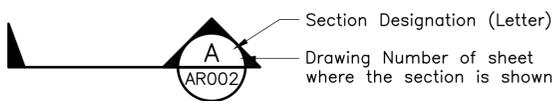


Detail Designation (Number)

Drawing Number of sheet where the detail is shown

Drawing(s) where detail is referenced (Omit if on same drawing)

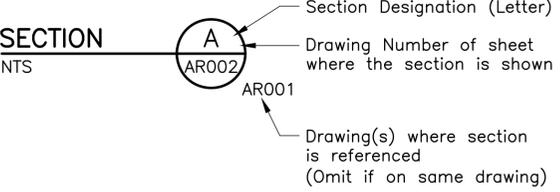
SECTIONS



Section Designation (Letter)

Drawing Number of sheet where the section is shown

SECTION
NTS



Section Designation (Letter)

Drawing Number of sheet where the section is shown

Drawing(s) where section is referenced (Omit if on same drawing)

SPECIAL TERMS

Makai Ocean
Mauka Mountain

GENERAL SYMBOLS

- & And
- @ At
- # Number
- ∅ Diameter
- % Percent
- = Equal to
- > Greater Than
- < Less Than
- ≥ Greater Than or Equal To
- ≤ Less Than or Equal To

LANDSCAPE SYMBOLS

-  Palm
-  Groundcover-1
-  Groundcover-2
-  Groundcover-3

ABBREVIATIONS

&	And
Abbr	Abbreviation, Abbreviated
Ac	Acre(s)
Approx	Approximate
Cal	Caliper
CL	Centerline
CLF	Chain Link Fence
Conc	Concrete
CY	Cubic Yard
Dia	Diameter
Dwg	Drawing
ea	Each
EB	Eastbound
Eq	Equal
Exist	Existing
Fig. ft	Figure Foot, Feet
gal	Gallon(s)
Hdr	Header
Ht	Height
in.	Inch
Irr	Irrigation
LF	Linear Foot
m	Meter
Min	Minimum
N/A	Not Applicable
NIC	Not in Contract
No. (Nos.)	Number(s)
NTS	Not to Scale
OC	On Center
Perp	Perpendicular
PVC	Polyvinyl Chloride
ROW	Right-of-Way
SF	Square Foot, Square Feet
Sht	Sheet
Spr	Sprinkler
Std	Standard
SY	Square Yard
Typ	Typical
Vert	Vertical
WB	Westbound
WL	Water Line
Wtr	Water
WM	Water Main
Xsect	Cross Section
Yd	Yard

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: K Sasaki
 Drawn: C Kimura
 Checked: J Kurokawa
 Approved: J Kurokawa
 Date: 12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant: **CONCEPTS LLC**
 Site Planning
 Landscape Architects
 1580 Makaloa Street, Suite 1005
 Honolulu, HI 96814

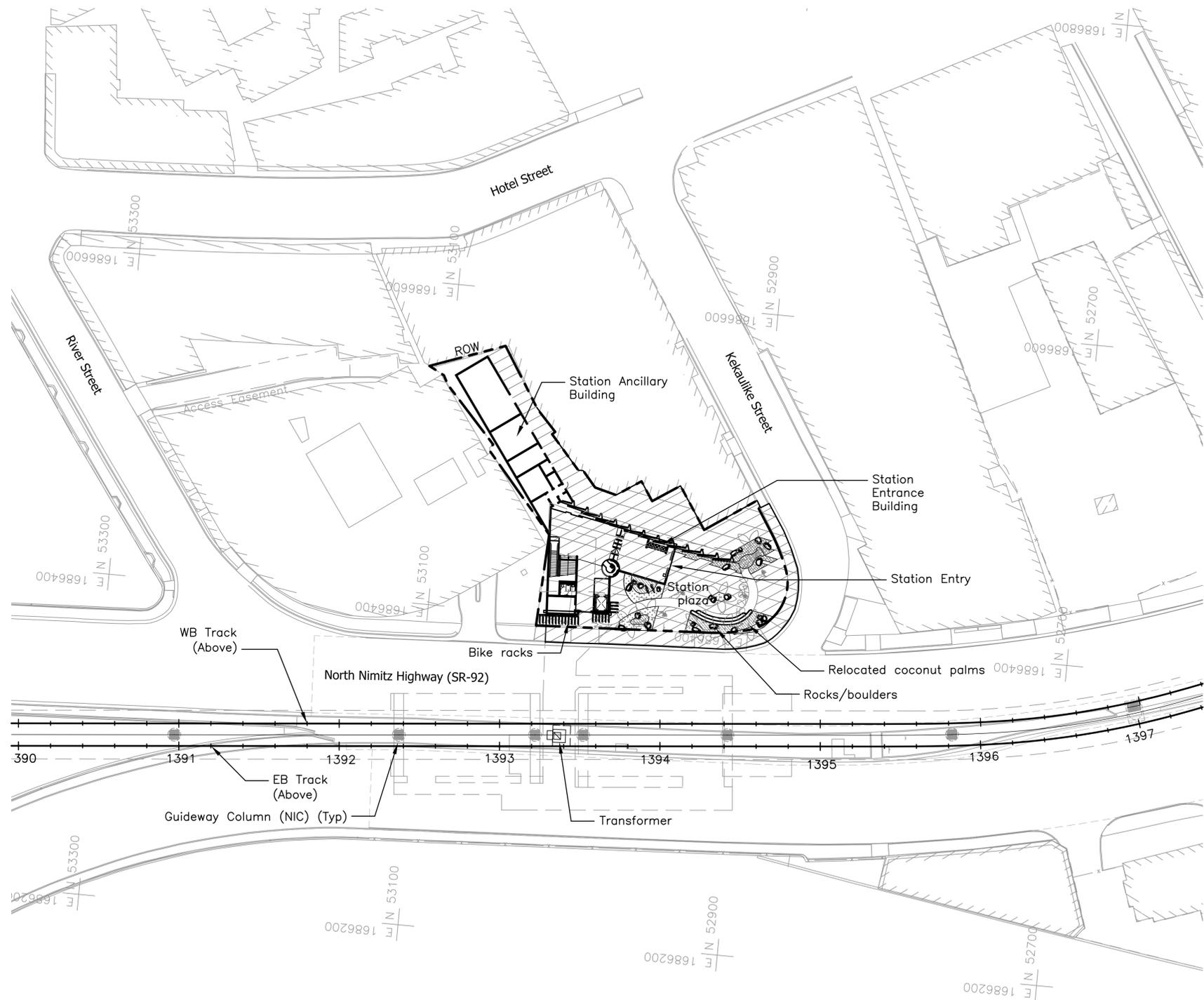
CHINATOWN STATION
GENERAL LANDSCAPING NOTES, SYMBOLS, & ABBREVIATIONS

Contract No.: SV-542
 CADD File: SG2-J01-LG001
 Drawing No: LG001 Rev.
 Scale: N/A
 Page No. 48 of 53



NOTES:

1. For Abbreviations see Dwg No. LG001.
2. For Planting Notes and Symbols see Dwg No. LA401.
3. The configuraton shown relative to NIC work is under development and subject to change.



Rev	By	Date	Description

**PRELIMINARY
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SUBJECT TO REVISION**

Designed:
K Sasaki
Drawn:
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J Kurokawa
Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

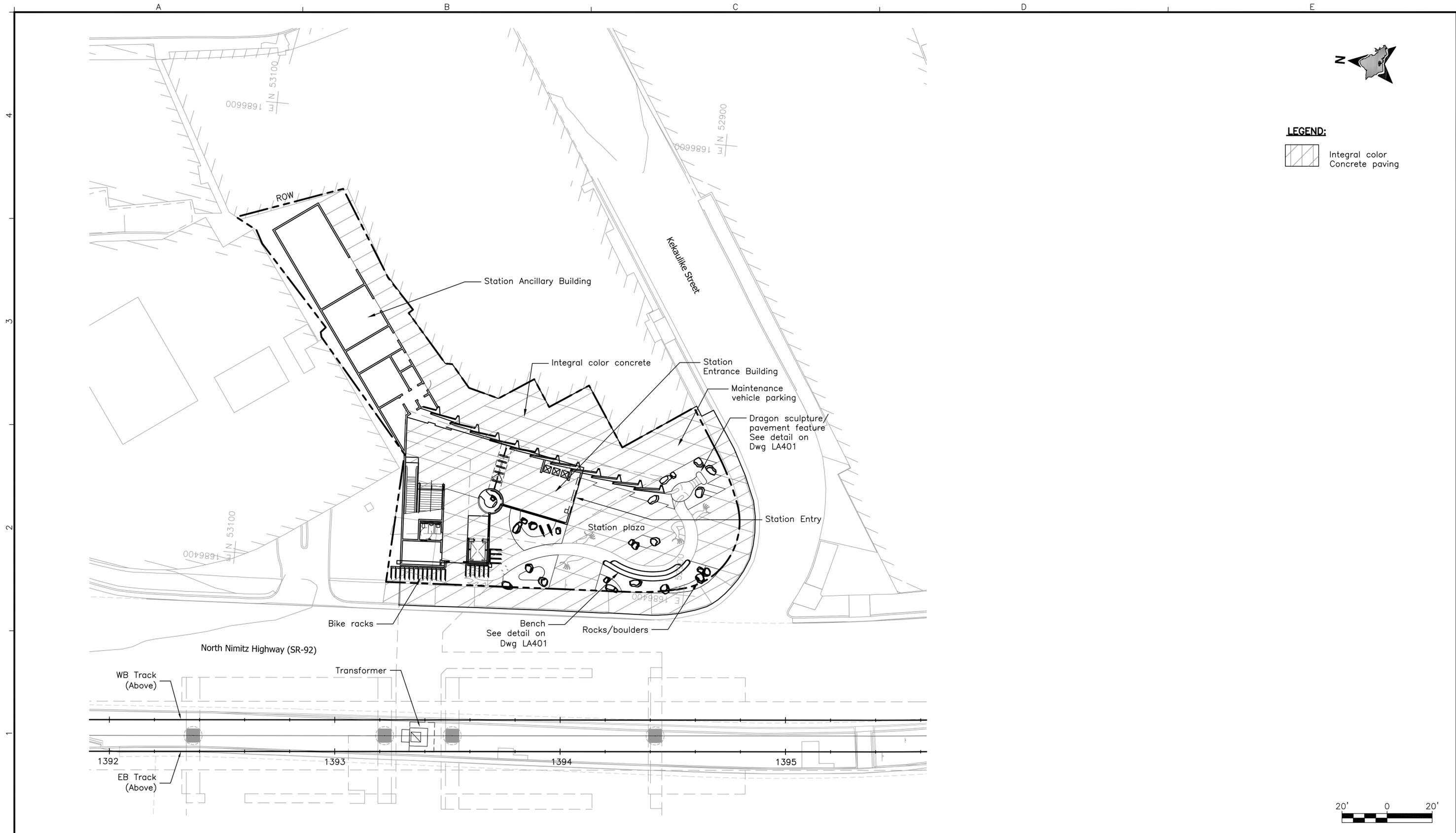
Prime Consultant: **PARSONS BRINCKERHOFF**
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Landscape Architects
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Honolulu, HI 96814

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**CHINATOWN STATION
LANDSCAPE SITE PLAN**

Contract No.: SV-542	
CADD File: SG2-J02-LA001	
Drawing No: LA001	Rev.
Scale: 1"=40'	
Page No. 49	of 53



Rev	By	Date	Description

**PRELIMINARY
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Approved:
J Kurokawa
Date:
12-21-09

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CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

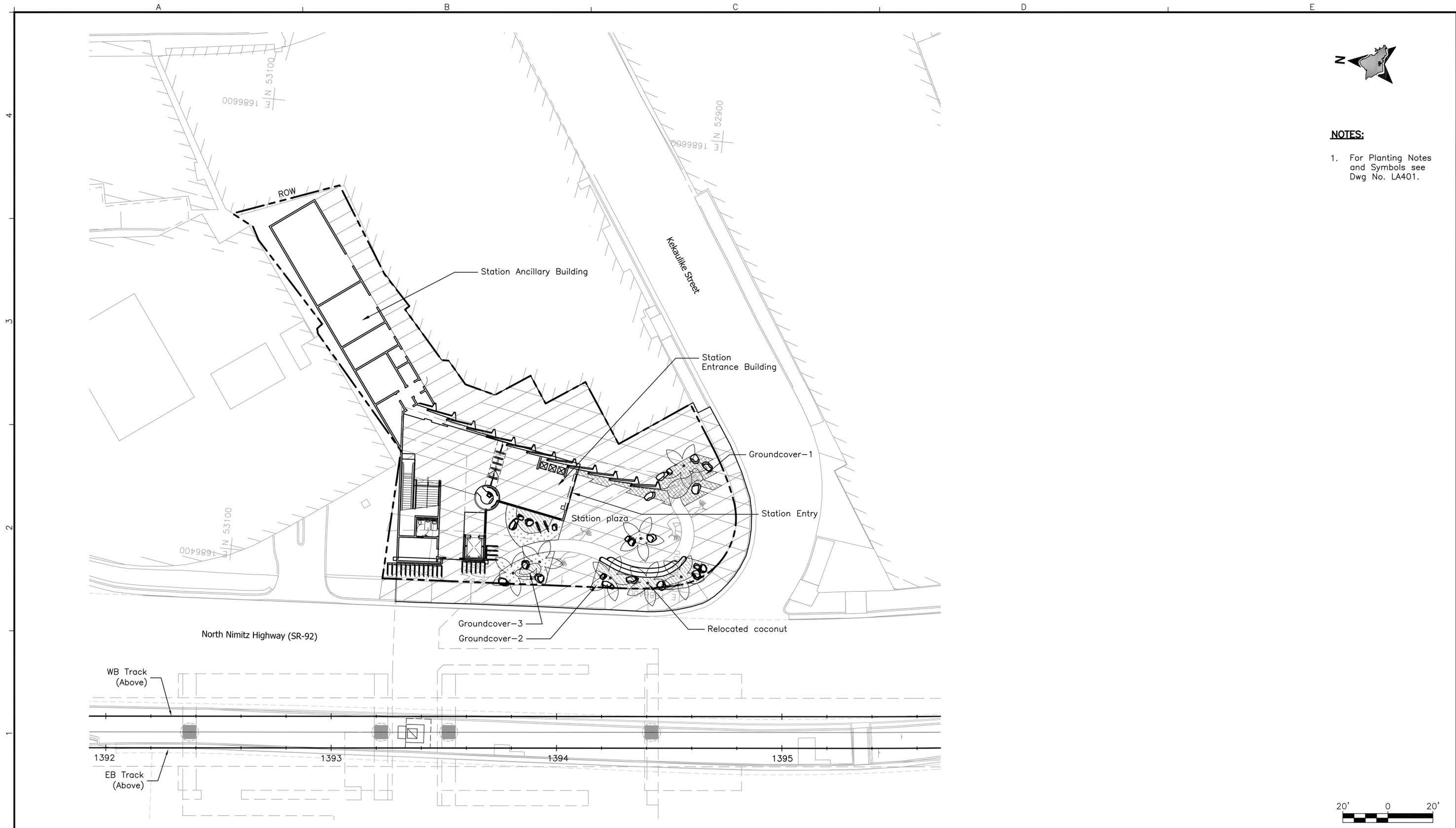
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**CHINATOWN STATION
PAVING PLAN**

Contract No.: SV-542	
CADD File: SG2-J03-LA101	
Drawing No:	Rev.
LA101	
Scale: 1"=20'	
Page No.	50 of 53



- NOTES:**
1. For Planting Notes and Symbols see Dwg No. LA401.



Rev	By	Date	Description

**PRELIMINARY
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Designed:
K Sasaki
Drawn:
C Kimura
Checked:
J Kurokawa
Approved:
J Kurokawa
Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

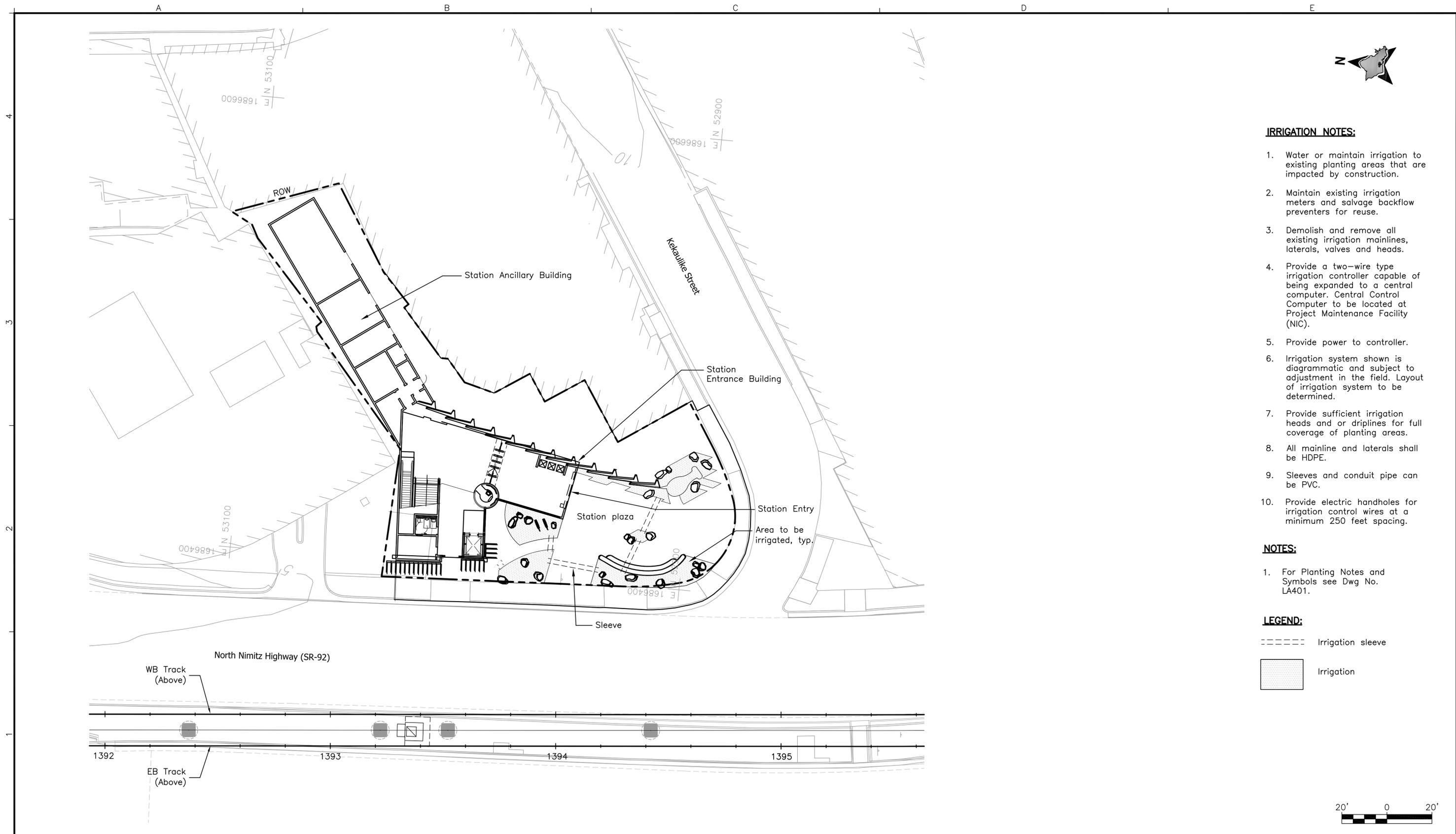
Prime Consultant: **PARSONS BRINCKERHOFF**
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Subconsultant: **CONCEPTS LLC**
Site Planning
Landscape Architects
1580 Makaloa Street, Suite 1005
Honolulu, HI 96814

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**CHINATOWN STATION
PLANTING PLAN**

Contract No.: SV-542	
CADD File: SG2-J04-LA201	
Drawing No:	Rev.
LA201	
Scale: 1"=20'	
Page No.	51 of 53



IRRIGATION NOTES:

1. Water or maintain irrigation to existing planting areas that are impacted by construction.
2. Maintain existing irrigation meters and salvage backflow preventers for reuse.
3. Demolish and remove all existing irrigation mainlines, laterals, valves and heads.
4. Provide a two-wire type irrigation controller capable of being expanded to a central computer. Central Control Computer to be located at Project Maintenance Facility (NIC).
5. Provide power to controller.
6. Irrigation system shown is diagrammatic and subject to adjustment in the field. Layout of irrigation system to be determined.
7. Provide sufficient irrigation heads and or driplines for full coverage of planting areas.
8. All mainline and laterals shall be HDPE.
9. Sleeves and conduit pipe can be PVC.
10. Provide electric handholes for irrigation control wires at a minimum 250 feet spacing.

NOTES:

1. For Planting Notes and Symbols see Dwg No. LA401.

LEGEND:

- Irrigation sleeve
- ▨ Irrigation



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
K Sasaki
Drawn:
C Kimura
Checked:
J Kurokawa
Approved:
J Kurokawa
Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant: **CONCEPTS LLC**
Site Planning
Landscape Architects
1580 Makaloa Street, Suite 1005
Honolulu, HI 96814

For reduced prints, original page size in inches: 0 1 2 3 4

**CHINATOWN STATION
IRRIGATION PLAN**

Contract No.: SV-542	
CADD File: SG2-J05-LA301	
Drawing No: LA301	Rev.
Scale: 1"=20'	
Page No. 52	of 53

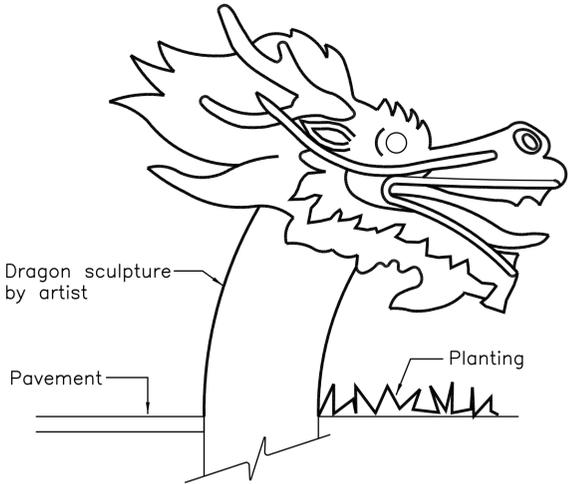
P L A N T & M A T E R I A L S L I S T					
SYMBOL	QUANTITY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
	ea	Relocated coconut palm	Cocos nucifera		
	SF	Groundcover-1 'Akiā Naio papa	Wikstroemia viva-ursi Myoporam sandwicense		
	SF	Groundcover-2 Mau'u 'aki'aki Makaloa	Fimbristylis cymosa Cyperus laevigatus		
	SF	Groundcover-3 'Ahu'awa 'Uki	Cyperus javanicus Cladium jamaicense		
	SF CY LF	Organic soil amendments Imported screened soil Root barrier			
Quantities shown on plant list are for reference Only. Verify actual quantities as shown on plan.					

PLANTING NOTES:

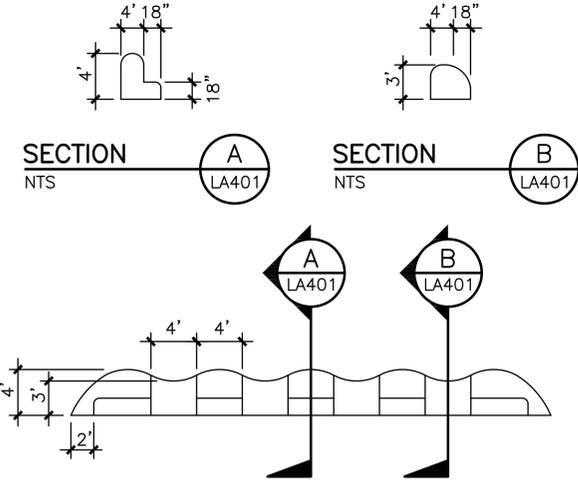
- Provide a 6" layer of imported screened soil over all planting areas.
- Backfill mix shall consist of three (3) parts of imported screened soil to one (1) part organic soil amendments (see specifications). Add one (1) pound of 10-30-10 fertilizer to one (1) cubic yard of backfill mix. Mix thoroughly on project site prior to any planting operations.
- Planting tablets for trees, palms, and shrubs shall be as follows:

A) Field specimen	12 tablets
B) 25 gallon	8 tablets
C) 15 gallon	5 tablets
D) 5 gallon	3 tablets
E) 3 gallon	2 tablets
F) 1 gallon	1 tablet

Use Agriform Tablets 20-10-5, 21 gram size.
- Groundcover shall be planted under all trees and shrubs (unless otherwise noted on plans).
- Quantities shown are for reference only. Contractor to verify actual quantities as shown on drawings. Contractor shall provide plants and materials in the quantity necessary to complete the installation as shown on the drawings.



DRAGON SCULPTURE
NTS 1
LA401



CURVED DRAGON BENCH
NTS 2
LA401

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: K Sasaki Drawn: C Kimura Checked: J Kurokawa Approved: J Kurokawa Date: 12-21-09	HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION Prime Consultant: PARSONS BRINCKERHOFF Subconsultant: CONCEPTS LLC Site Planning Landscape Architects 1580 Makaloa Street, Suite 1005 Honolulu, HI 96814	Scale: 0 1 2 3 4
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**CHINATOWN STATION
MATERIALS SCHEDULE,
MISCELLANEOUS DETAILS, & SECTIONS**

Contract No.: SV-542	Rev.
CADD File: SG2-J06-LA401	
Drawing No: LA401	
Scale: NTS	
Page No. 53	of 53

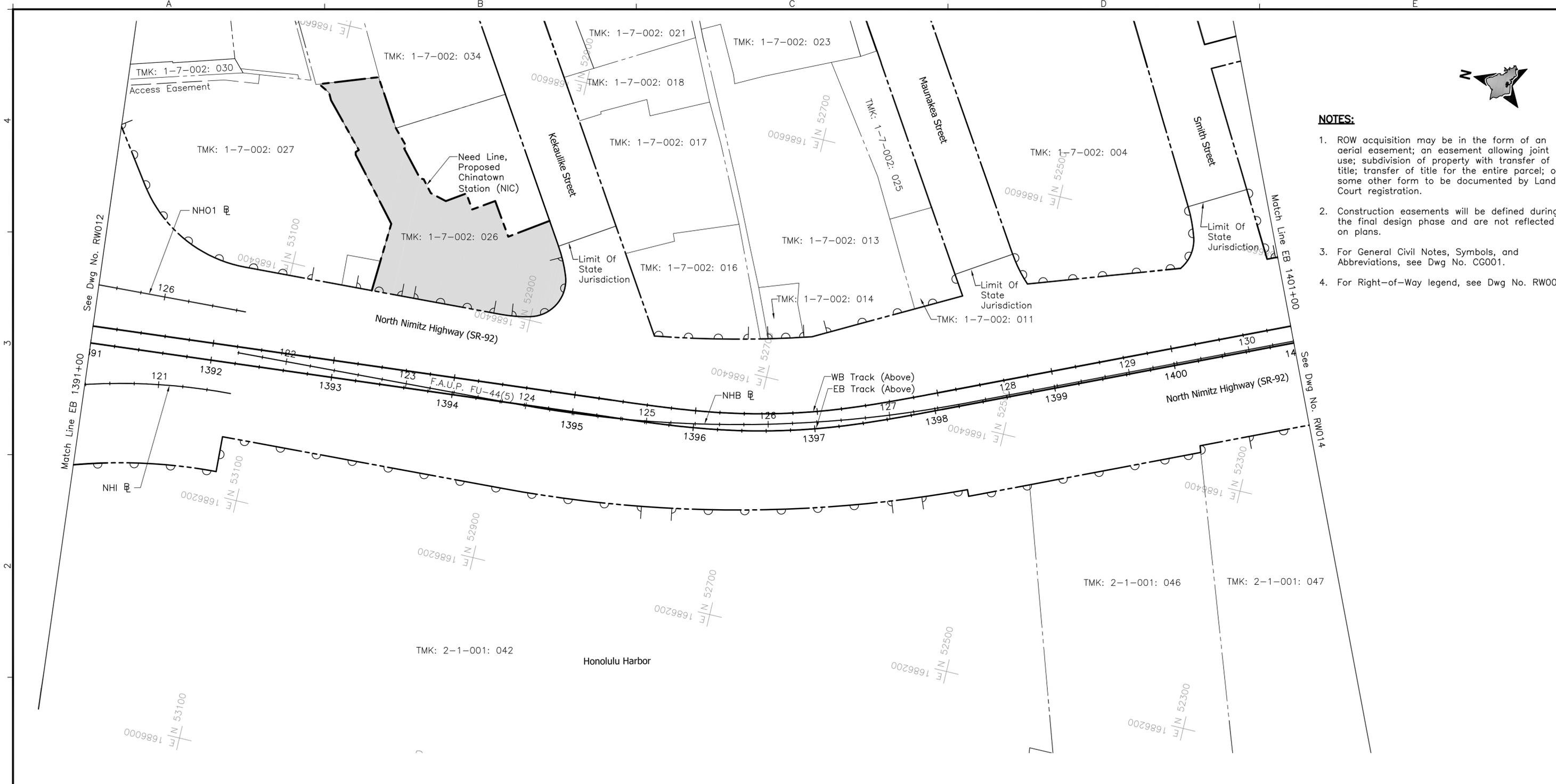
CHINATOWN STATION

APPENDIX A - INFORMATIVE DRAWINGS
FROM CITY CENTER GUIDEWAY & UTILITIES PRELIMINARY ENGINEERING PLANS
AND CORE SYSTEMS RFP PLANS

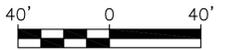


NOTES:

1. ROW acquisition may be in the form of an aerial easement; an easement allowing joint use; subdivision of property with transfer of title; transfer of title for the entire parcel; or some other form to be documented by Land Court registration.
2. Construction easements will be defined during the final design phase and are not reflected on plans.
3. For General Civil Notes, Symbols, and Abbreviations, see Dwg No. CG001.
4. For Right-of-Way legend, see Dwg No. RW001.



Tax Map Key Number	Parcel Acquisitions	House Number	Street Name	Land Use
1-7-002:026	Partial	168, 174	North Nimitz Hwy	Commercial
1-7-002:026	Partial	902, 928, 930, 936, 942	Kekaulike St	Commercial



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
L Karamatsu
Drawn:
L Francisco
Checked:
K Wong
Approved:
C Shimizu
Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant:
PARSONS BRINCKERHOFF
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

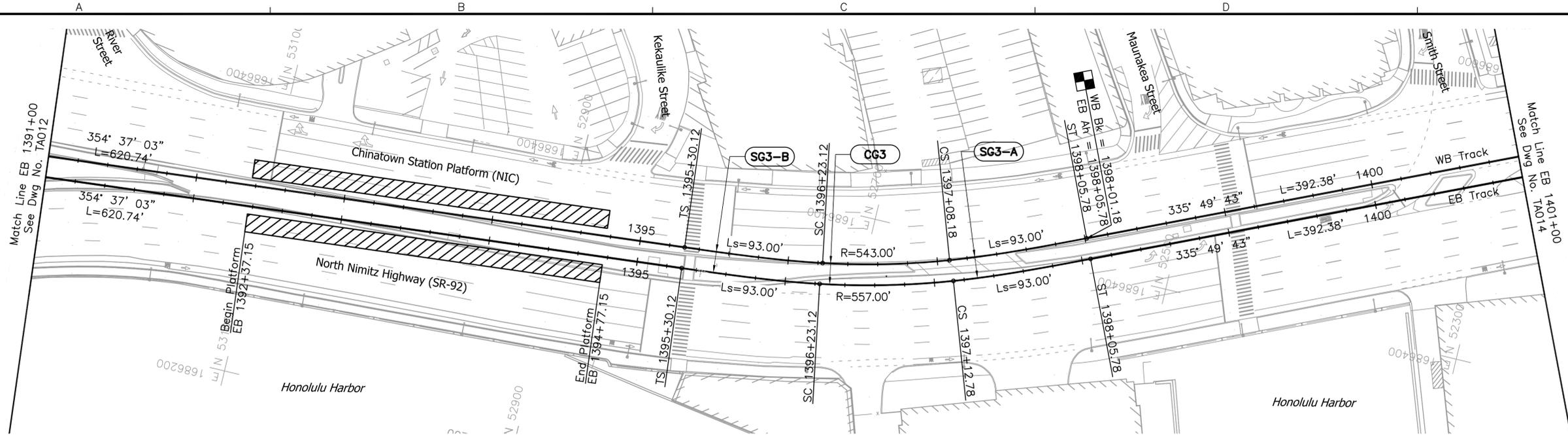
Subconsultant:

For reduced prints, original page size in inches: 0 1 2 3 4

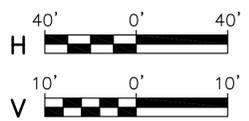
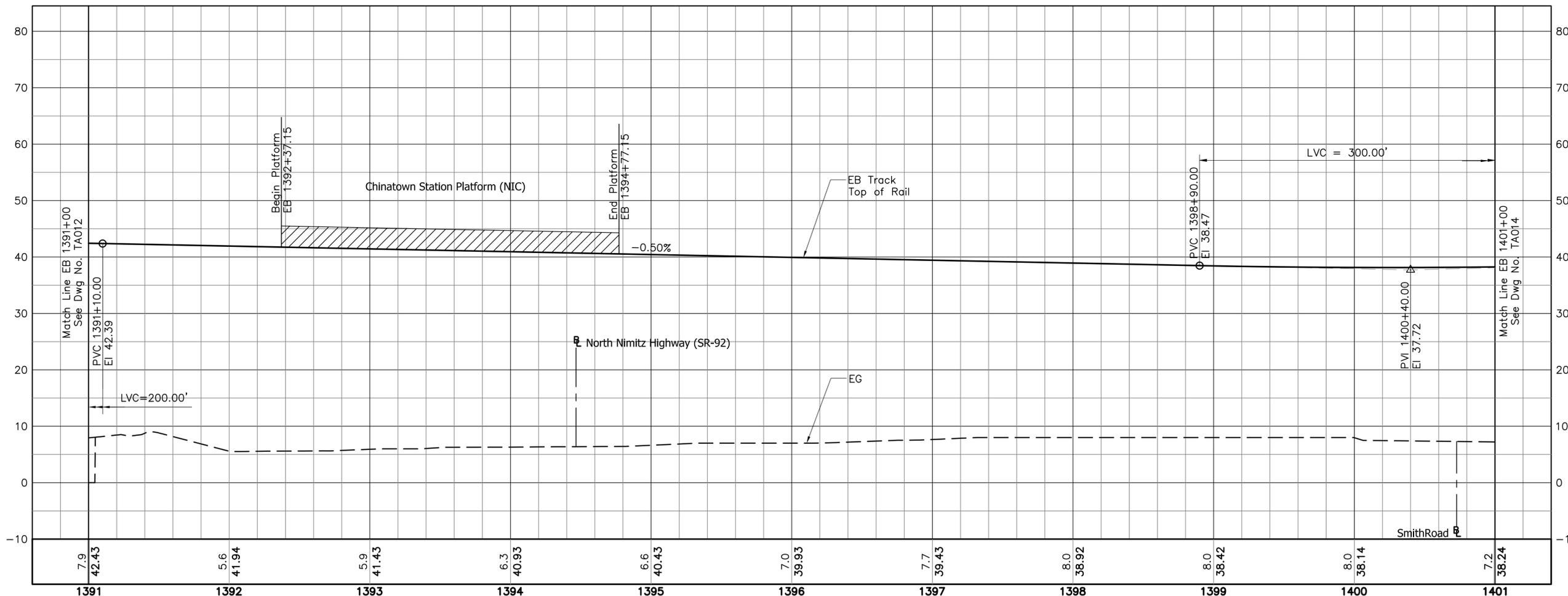
**CITY CENTER GUIDEWAY & UTILITIES
EXISTING RIGHT-OF-WAY PLAN &
PROPOSED ACQUISITION TABULATIONS**

EB 1391+00 TO EB 1401+00

Contract No.:
SV-530
CADD File:
CC-B04-RW013
Drawing No: RW013
Scale: 1"=40'
Page No. 37 of 323



- NOTES:**
1. For General Civil Notes, Symbols, and Abbreviations, see Dwg No. CG001.
 2. For Track Alignment Abbreviations, see Dwg No. CG002.
 3. For Station information, refer to Structural Plans.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: M Jewell
 Drawn: L Francisco
 Checked: E Liberman
 Approved: C Shimizu
 Date: 12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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Subconsultant: **122**

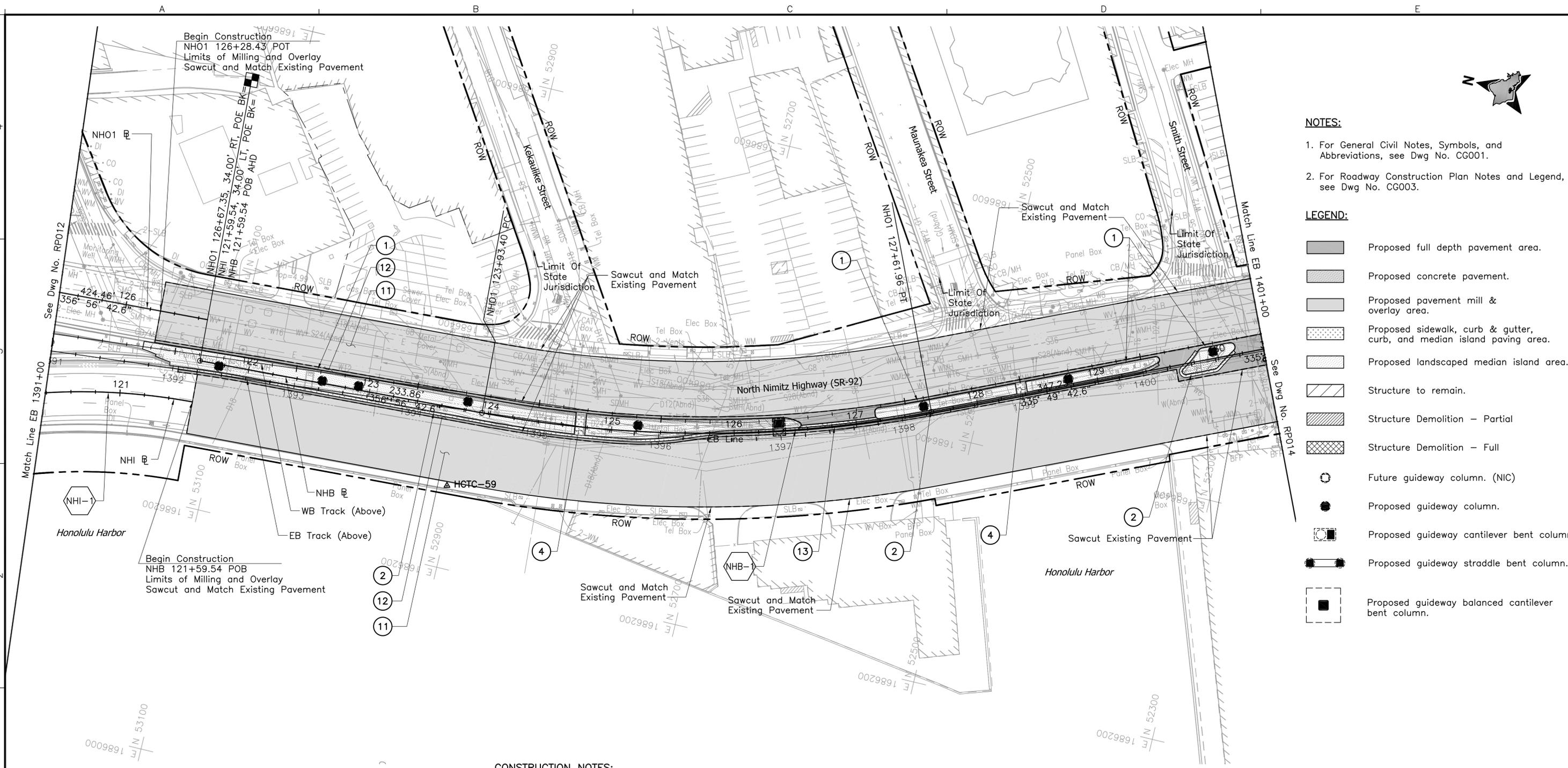
For reduced prints, original page size in inches: 0 1 2 3 4

CITY CENTER GUIDEWAY & UTILITIES

**TRACK ALIGNMENT
PLAN & PROFILE**

EB 1391+00 TO EB 1401+00

Contract No.: SV-530
 CADD File: CC-B05-TA013
 Drawing No: TA013 Rev.
 Scale: 1"=40' H, 1"=10' V
 Page No. 61 of 323



- NOTES:**
- For General Civil Notes, Symbols, and Abbreviations, see Dwg No. CG001.
 - For Roadway Construction Plan Notes and Legend, see Dwg No. CG003.

- LEGEND:**
- Proposed full depth pavement area.
 - Proposed concrete pavement.
 - Proposed pavement mill & overlay area.
 - Proposed sidewalk, curb & gutter, curb, and median island paving area.
 - Proposed landscaped median island area.
 - Structure to remain.
 - Structure Demolition - Partial
 - Structure Demolition - Full
 - Future guideway column. (NIC)
 - Proposed guideway column.
 - Proposed guideway cantilever bent column.
 - Proposed guideway straddle bent column.
 - Proposed guideway balanced cantilever bent column.

- CONSTRUCTION NOTES:**
- ① Construct Concrete Curb.
 - ② Construct Concrete Curb and Gutter.
 - ④ Construct Concrete Curb Ramp.
 - ⑪ Construct Plantmix Bituminous Surface Overlay.
 - ⑫ Construct Plantmix Bituminous Pavement.
 - ⑬ Construct Concrete Pavement.

ROADWAY CURVE DATA		
	NHI-1	NHB-1
Δ	114' 13' 00"	21' 07' 00"
R	500.00'	1000.00'
T	773.13'	186.39'
C	839.70'	366.47'
L _c	996.73'	268.56'



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: M Jewell
 Drawn: L Francisco
 Checked: E Liberman
 Approved: C Shimizu
 Date: 12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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**CITY CENTER GUIDEWAY & UTILITIES
ROADWAY CONSTRUCTION PLAN**

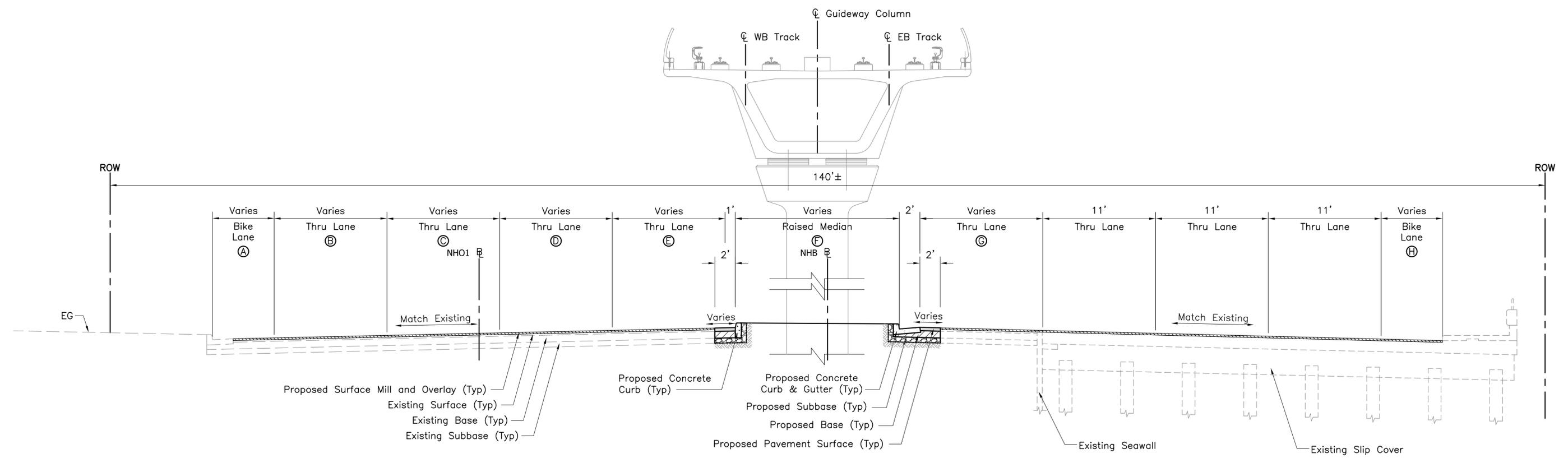
EB 1391+00 TO EB 1401+00

Contract No.: SV-530
 CADD File: CC-B09-RP013
 Drawing No: RP013 Rev.
 Scale: 1"=40'
 Page No. 97 of 323

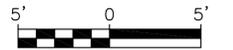
NOTES:

- For General Civil Notes, Symbols, and Abbreviations, see Dwg No. CG001.
- Station ranges not listed have 0' width dimension.

Ⓐ "NH01" 126+28 to 126+67 5'-6'	Ⓒ "NH01" 126+28 to 126+67 11'	Ⓔ "NH01" 126+28 to 126+67 11'	Ⓖ "NHB" 121+59 to 121+97 11.7'-12.5'
"NHB" 121+59 to 122+22 6'-5'	"NHB" 121+59 to 122+22 11'	"NHB" 121+59 to 122+22 11'	121+97 to 124+43 12.5'
122+22 to 124+43 5'	122+22 to 124+00 11'-10.5'	122+22 to 124+00 11'-10.5'	
	124+00 to 127+64 10.5'-11'	124+00 to 127+66 10.5'-11'	
Ⓑ "NH01" 126+28 to 126+67 11'	Ⓓ "NH01" 126+28 to 126+67 11'	Ⓕ "NH01" 126+20 to 126+51 6.4'-16.7'	Ⓗ "NHB" 121+59 to 123+93 6'
"NHB" 121+59 to 122+22 11'	"NHB" 121+59 to 122+22 11'	126+51 to 126+67 16.7'-16.1'	123+93 to 127+62 6'-5'
122+22 to 123+96 11'-10.5'	122+22 to 124+02 11'-10.5'	"NHB" 121+59 to 123+96 16.1'-18.5'	
123+96 to 127+62 10.5'-11'	124+02 to 127+67 10.5'-11'	123+96 to 124+43 18.5'	



"NH01" 126+20 to "NHB" 124+43



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: J Brinas
 Drawn: J Brinas
 Checked: M Jewell
 Approved: C Shimizu
 Date: 12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

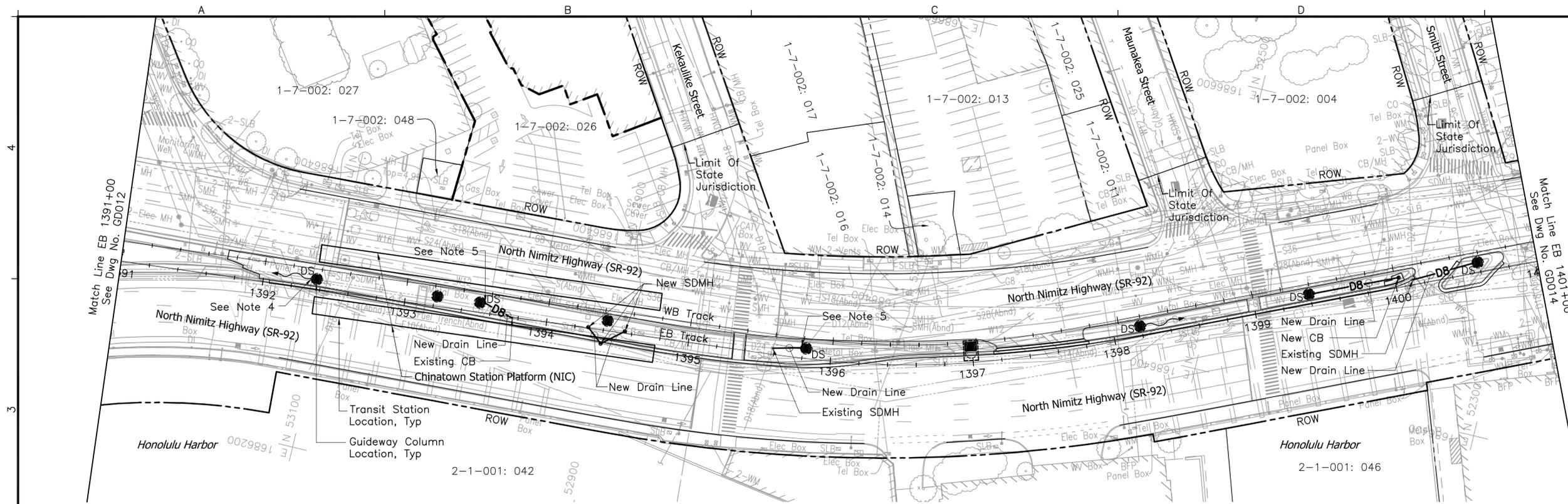
Subconsultant:

CITY CENTER GUIDEWAY & UTILITIES

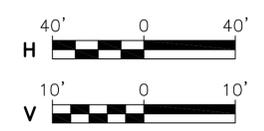
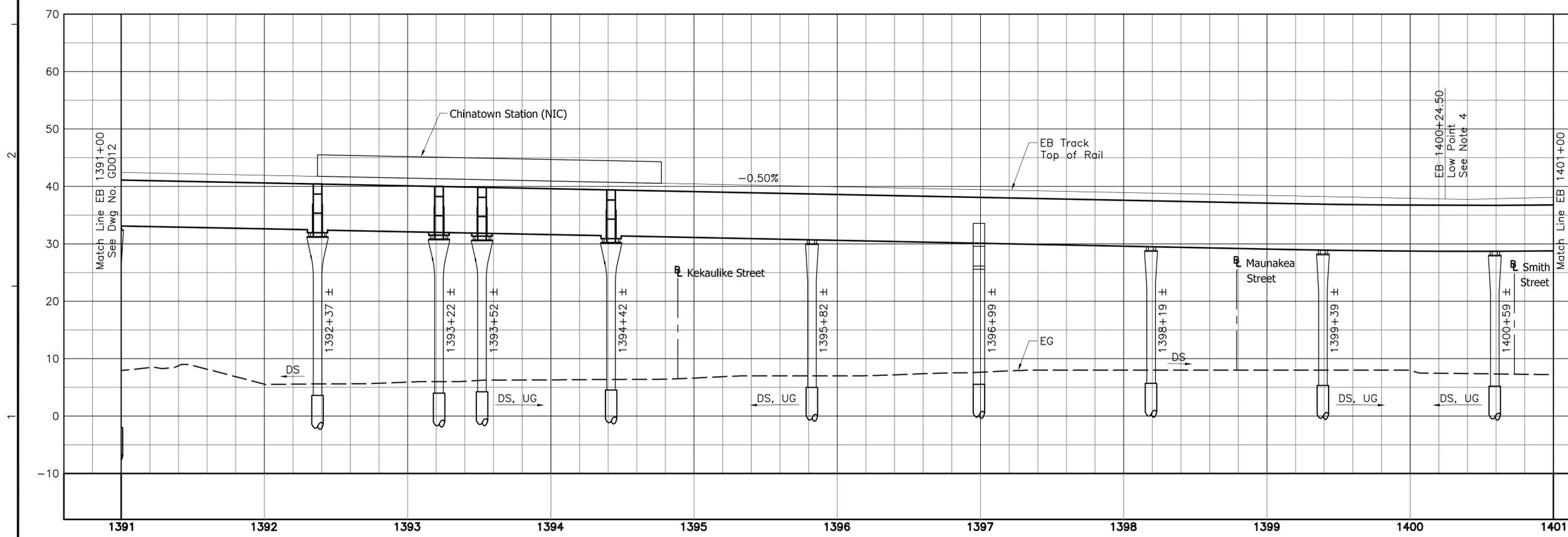
**TYPICAL SECTIONS
NIMITZ HIGHWAY**

 SHEET 1 OF 8

Contract No.: SV-530	
CADD File: CC-B13-RX012	
Drawing No: RX012	Rev.
Scale: 1"=5'	
Page No. 131	of 323



- NOTES:**
- For DS locations and discharge conditions, see schedule on Dwg No. GD040.
 - For general civil notes, abbreviations, and symbols, see Dwg No. CG001.
 - See Track Alignment Plan and Profile drawings for proposed track alignment details.
 - Drain inlets at low point(sump) shall be connected to the nearest column DS at Sta 1400+59 per Section B on Dwg No. GD101.
 - Downspout at location noted shall be provided with a downspout filter per Dwg No. GD105.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Designed: E Leung
 Drawn: M Lauriaga
 Checked: N Orense
 Approved: M Yonamine
 Date: 12-21-09

Prime Consultant:
PARSONS BRINCKERHOFF
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

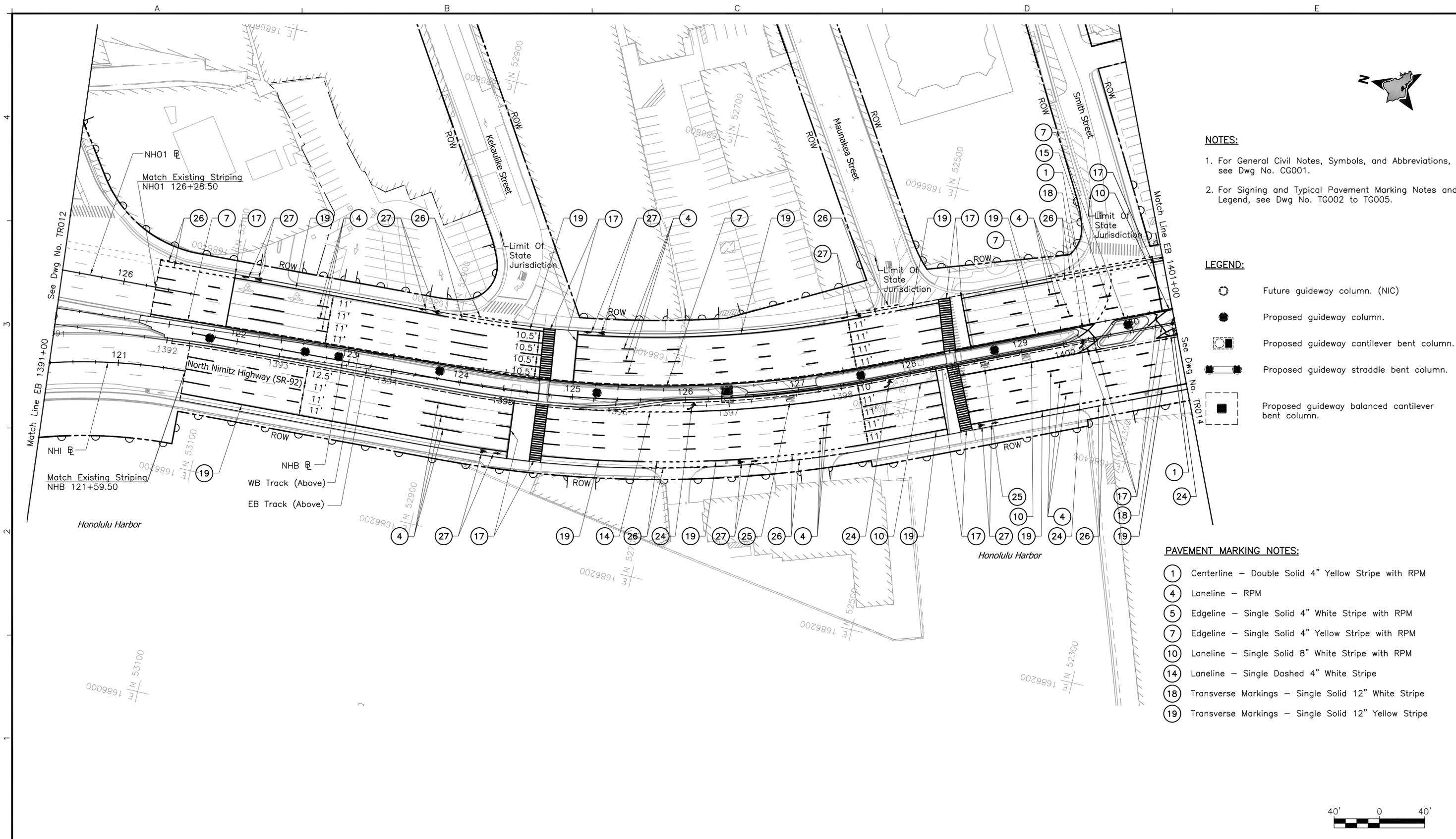
Subconsultant:
LYON ASSOCIATES
 45 North King Street, Suite 501
 Honolulu, HI 96817-5648 USA
 Voice: (808) 536-6621
 Fax: (808) 523-1738
 E-mail: admin@lyonassociates.com
 www.lyonassociates.com

CITY CENTER GUIDEWAY & UTILITIES

**GUIDEWAY DRAINAGE
LAYOUT PLAN**

EB 1391+00 TO EB 1401+00

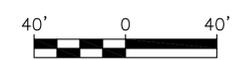
Contract No.: SV-530
 CADD File: CC-B16-GD013
 Drawing No: GD013 Rev.
 Scale: 1"=40' H, 1"=10' V
 Page No. 162 of 323



- NOTES:**
1. For General Civil Notes, Symbols, and Abbreviations, see Dwg No. CG001.
 2. For Signing and Typical Pavement Marking Notes and Legend, see Dwg No. TG002 to TG005.

- LEGEND:**
- Future guideway column. (NIC)
 - Proposed guideway column.
 - Proposed guideway cantilever bent column.
 - Proposed guideway straddle bent column.
 - Proposed guideway balanced cantilever bent column.

- PAVEMENT MARKING NOTES:**
- Centerline – Double Solid 4" Yellow Stripe with RPM
 - Laneline – RPM
 - Edgeline – Single Solid 4" White Stripe with RPM
 - Edgeline – Single Solid 4" Yellow Stripe with RPM
 - Laneline – Single Solid 8" White Stripe with RPM
 - Laneline – Single Dashed 4" White Stripe
 - Transverse Markings – Single Solid 12" White Stripe
 - Transverse Markings – Single Solid 12" Yellow Stripe



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
M Jewell
Drawn:
L Francisco
Checked:
E Liberman
Approved:
C Shimizu
Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant:
PARSONS BRINCKERHOFF
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

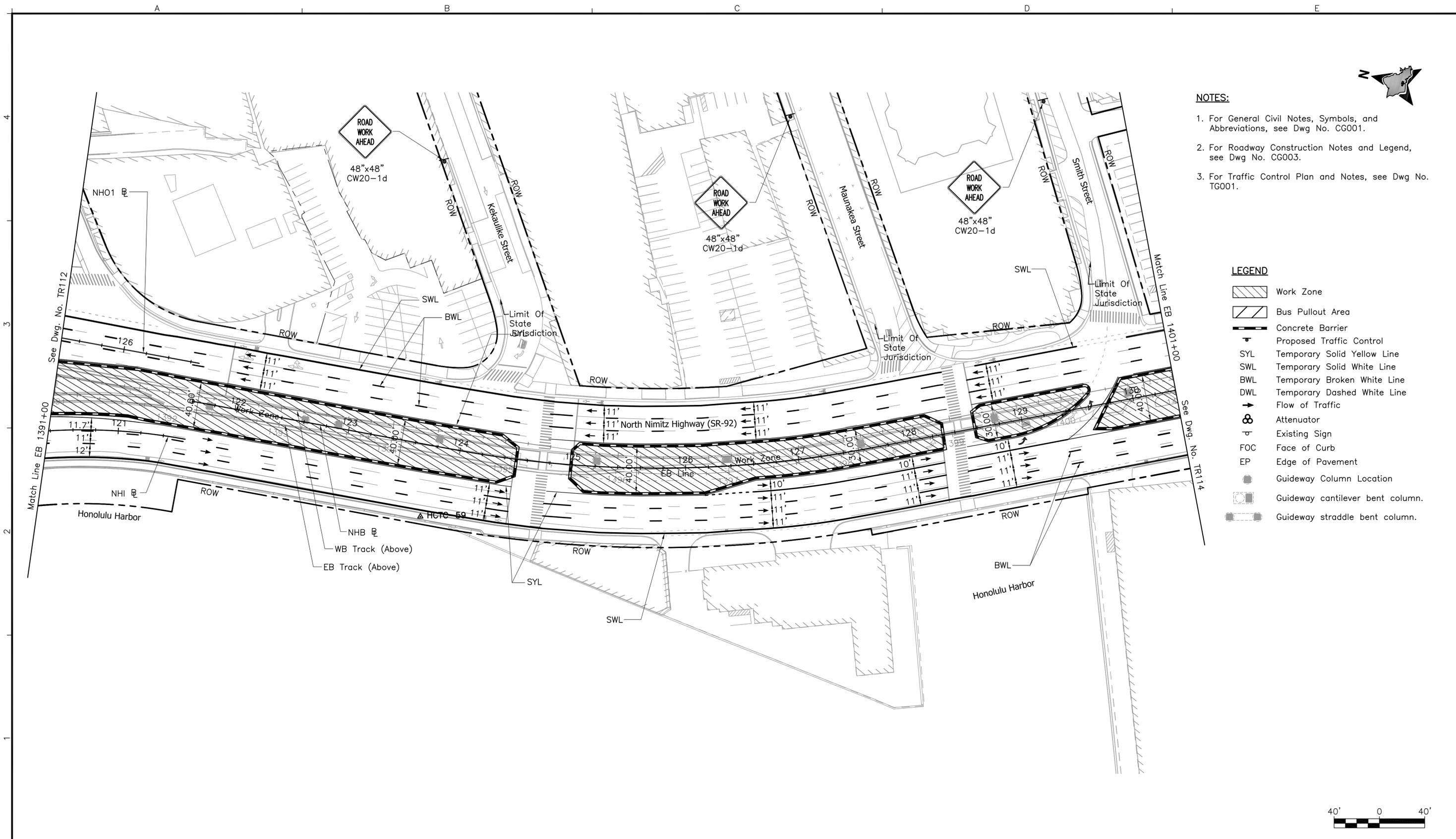
Subconsultant:

For reduced prints, original page size in inches: 0 1 2 3 4

**CITY CENTER GUIDEWAY & UTILITIES
SIGNING AND STRIPING PLAN**

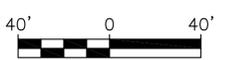
EB 1391+00 TO EB 1401+00

Contract No.: SV-530	
CADD File: CC-C02-TR013	
Drawing No: TR013	Rev.
Scale: 1"=40'	
Page No. 203	of 323



- NOTES:**
1. For General Civil Notes, Symbols, and Abbreviations, see Dwg No. CG001.
 2. For Roadway Construction Notes and Legend, see Dwg No. CG003.
 3. For Traffic Control Plan and Notes, see Dwg No. TG001.

- LEGEND**
- Work Zone
 - Bus Pullout Area
 - Concrete Barrier
 - Proposed Traffic Control
 - Temporary Solid Yellow Line
 - Temporary Solid White Line
 - Temporary Broken White Line
 - Temporary Dashed White Line
 - Flow of Traffic
 - Attenuator
 - Existing Sign
 - Face of Curb
 - Edge of Pavement
 - Guideway Column Location
 - Guideway cantilever bent column.
 - Guideway straddle bent column.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: B Wardell
 Drawn: B Wardell
 Checked: E Liberman
 Approved: C Shimizu
 Date: 12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

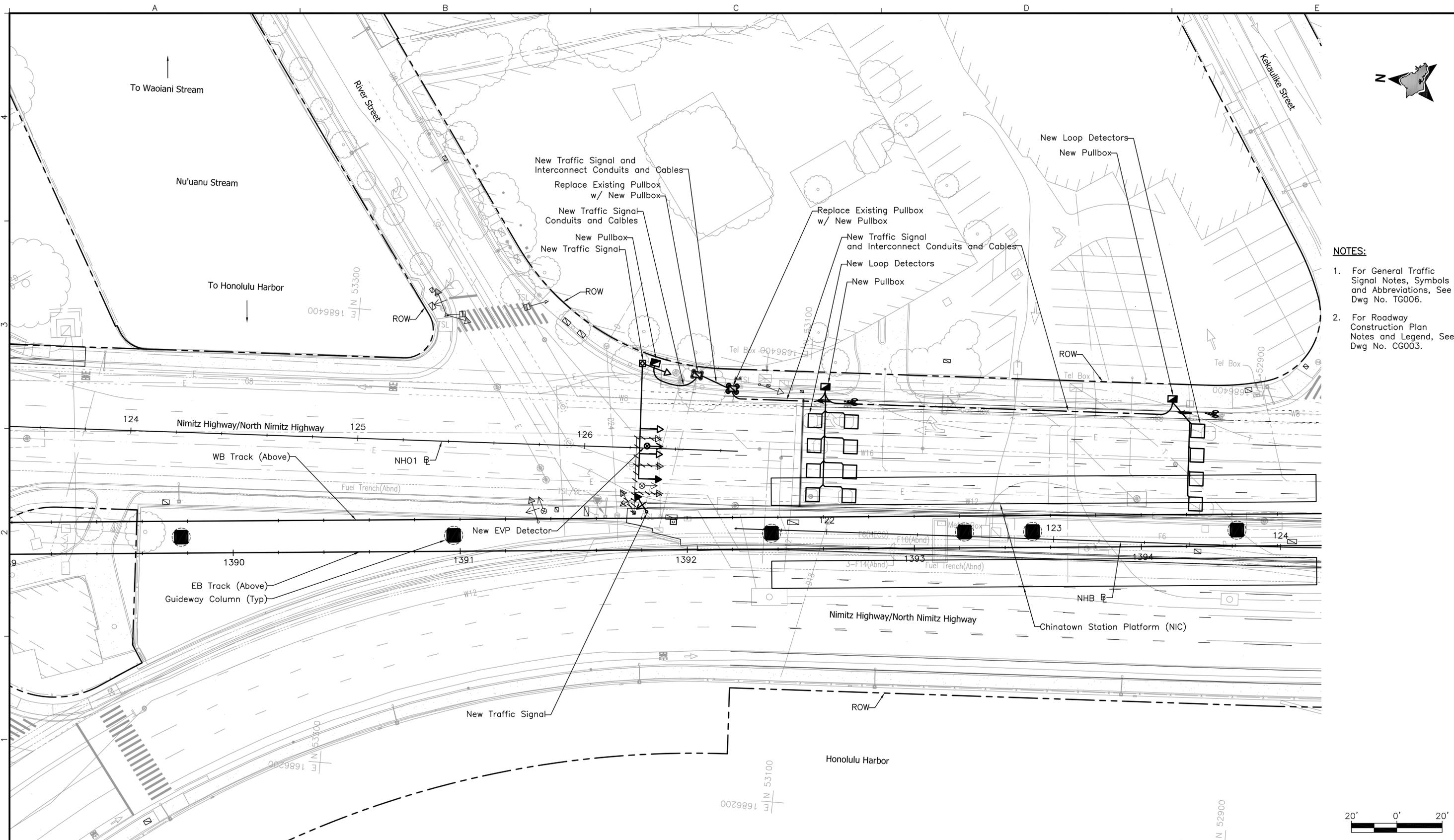
Subconsultant: _____

For reduced prints, original page size in inches: 0 1 2 3 4

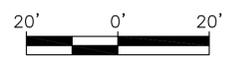
**CITY CENTER GUIDEWAY & UTILITIES
 MAINTENANCE OF TRAFFIC PLAN
 PHASE 1**

EB 1391+00 TO EB 1401+00

Contract No.: SV-530	
CADD File: CC-C03-TR113	
Drawing No: TR113	Rev.
Scale: 1"=40'	
Page No. 228	of 323



- NOTES:**
1. For General Traffic Signal Notes, Symbols and Abbreviations, See Dwg No. TG006.
 2. For Roadway Construction Plan Notes and Legend, See Dwg No. CG003.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Crosariol

Drawn:
R Fukuda

Checked:
K Niiya

Approved:
K Niiya

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12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**

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CITY CENTER GUIDEWAY & UTILITIES

TRAFFIC SIGNAL PLAN
NIMITZ HWY AT RIVER ST

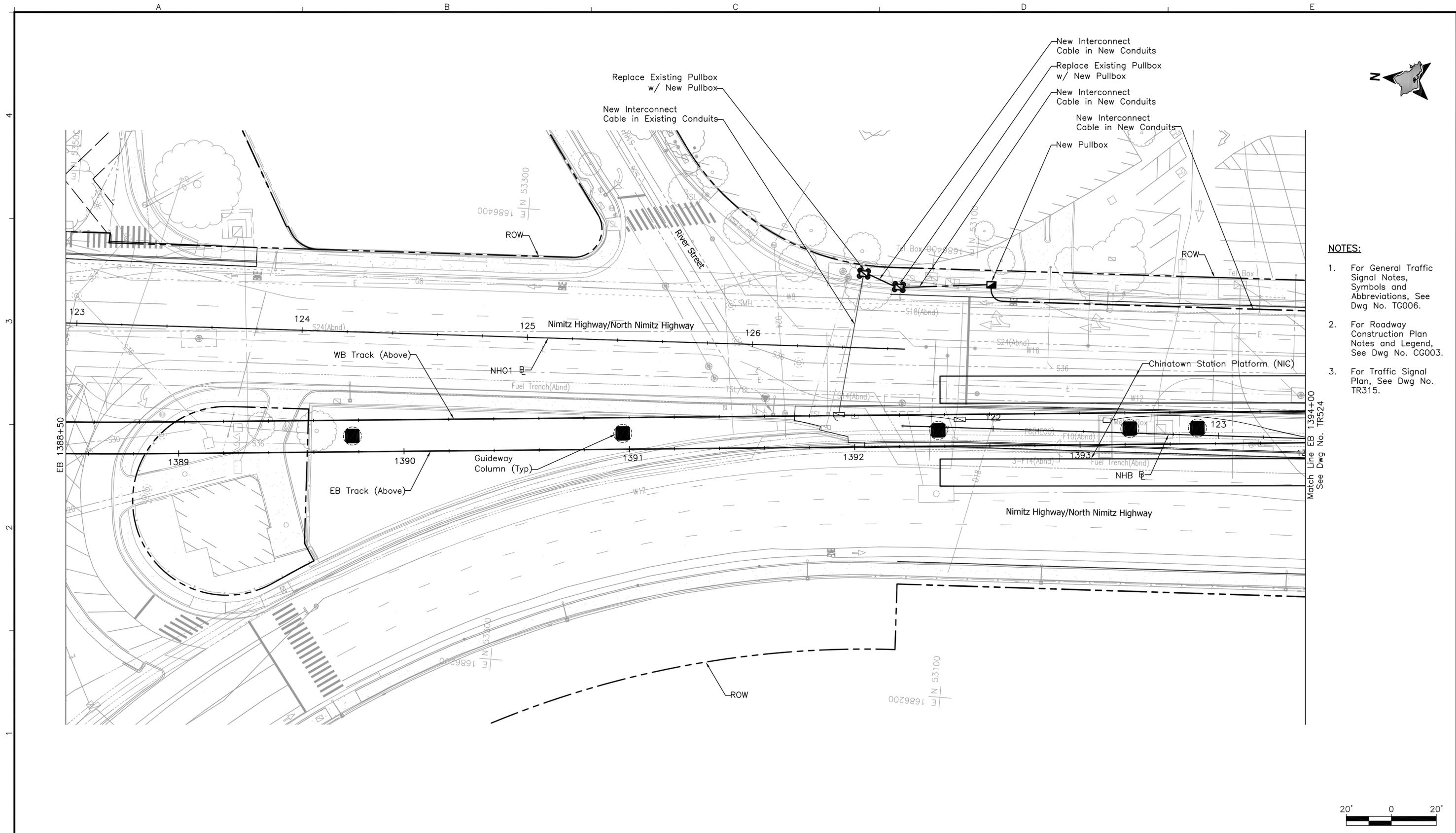
Contract No.: SV-530

CADD File: CC-C04-TR315

Drawing No: TR315 Rev.

Scale: 1" = 20'

Page No. 265 of 323



- NOTES:**
1. For General Traffic Signal Notes, Symbols and Abbreviations, See Dwg No. TG006.
 2. For Roadway Construction Plan Notes and Legend, See Dwg No. CG003.
 3. For Traffic Signal Plan, See Dwg No. TR315.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

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D Crosariol

Drawn:
R Fukuda

Checked:
K Niiya

Approved:
K Niiya

Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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ENGINEERS, SURVEYORS • HONOLULU, HAWAII

For reduced prints, original page size in inches: 0 1 2 3 4 5

**CITY CENTER GUIDEWAY & UTILITIES
FIBER OPTIC AND TRAFFIC SIGNAL
INTERCONNECT PLAN**

EB 1388+50 TO EB 1394+00

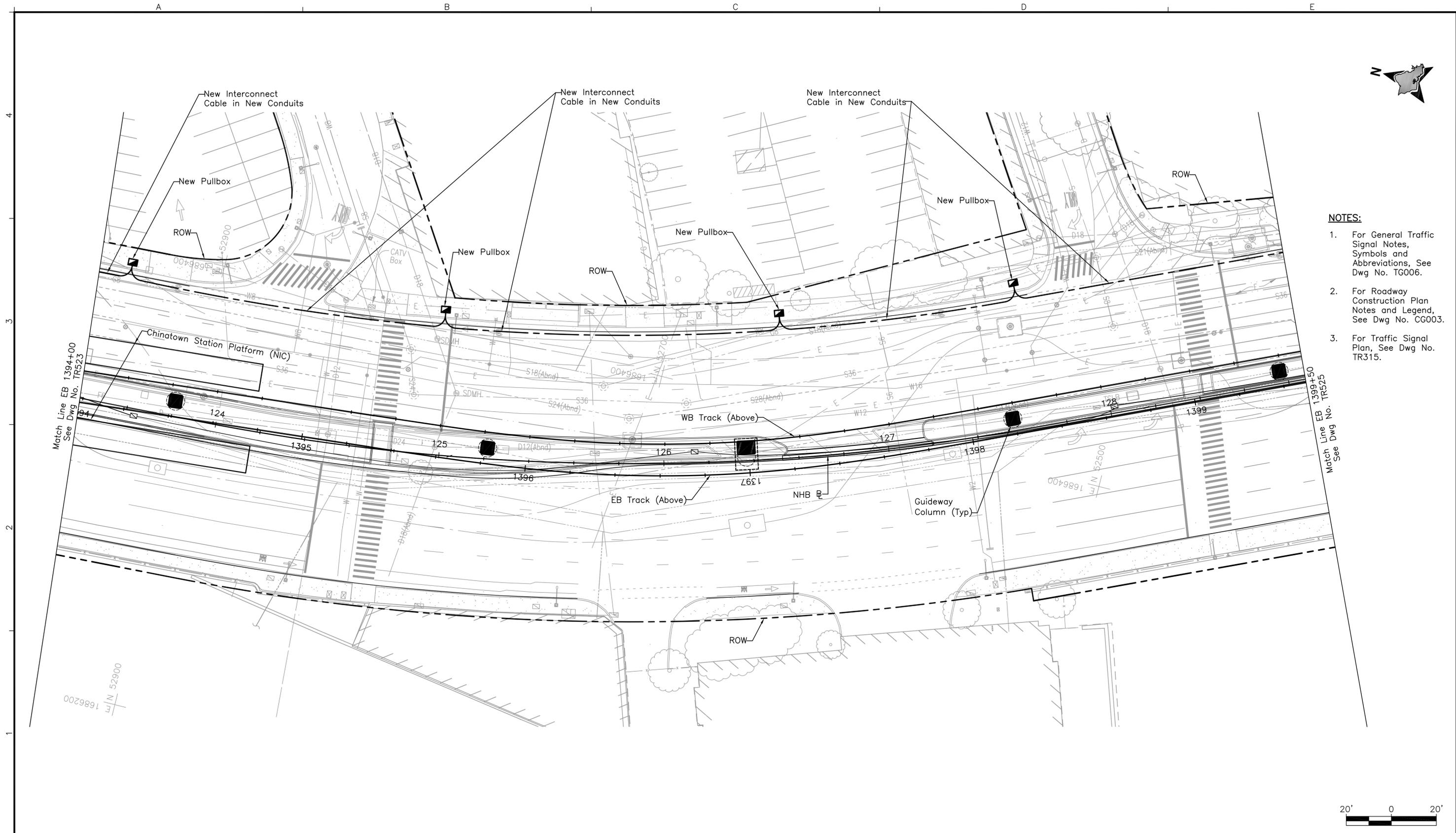
Contract No.: SV-530

CADD File: CC-C04-TR523

Drawing No: TR523 Rev.

Scale: 1"=20'

Page No. 299 of 323



- NOTES:**
1. For General Traffic Signal Notes, Symbols and Abbreviations, See Dwg No. TG006.
 2. For Roadway Construction Plan Notes and Legend, See Dwg No. CG003.
 3. For Traffic Signal Plan, See Dwg No. TR315.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
D Crosariol
Drawn:
R Fukuda
Checked:
K Niiya
Approved:
K Niiya
Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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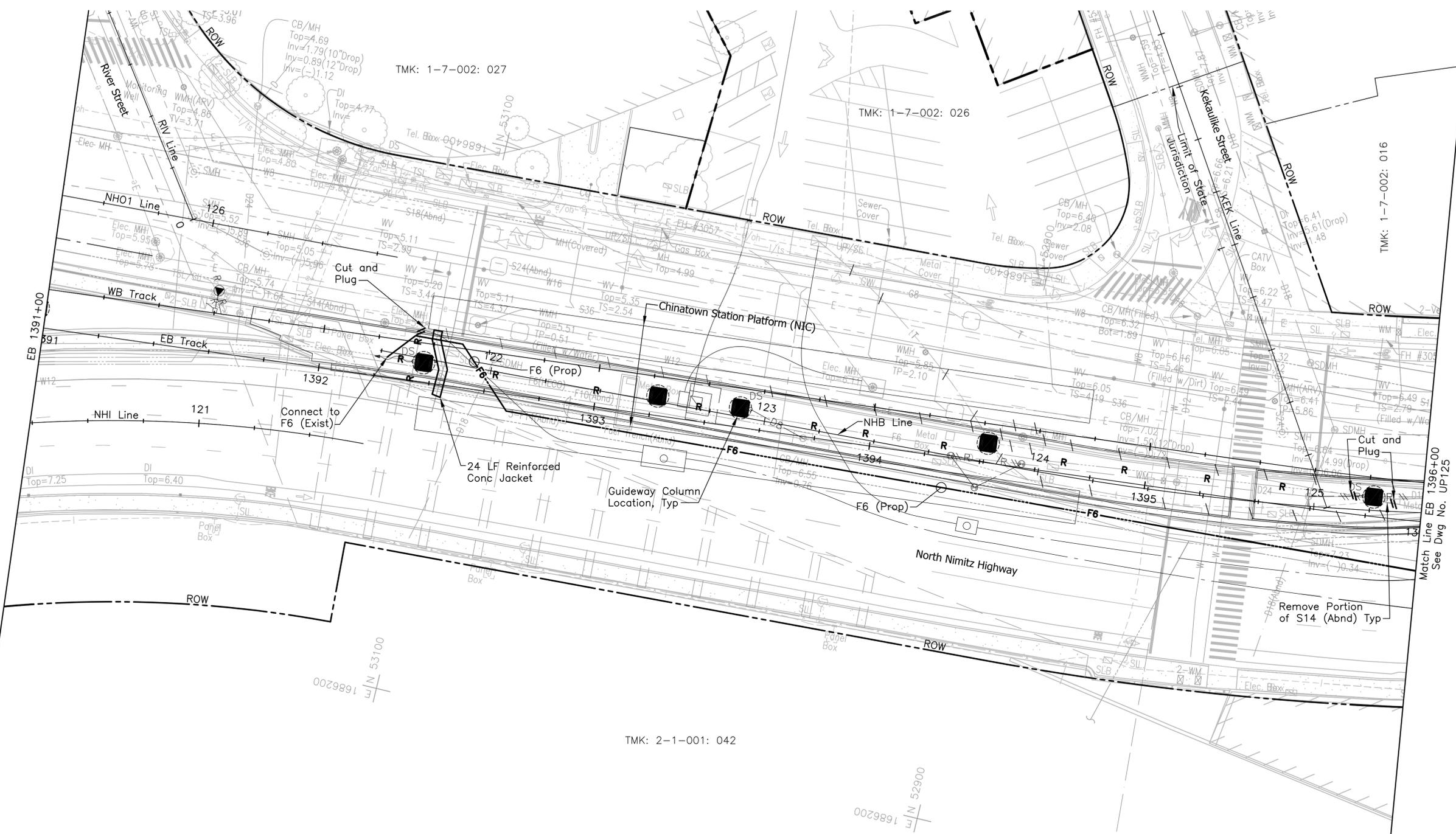
Subconsultant: **ATA AUSTIN, TSUTSUMI & ASSOC., INC.**
ENGINEERS, SURVEYORS • HONOLULU, HAWAII

For reduced prints, original page size in inches: 0 1 2 3 4

**CITY CENTER GUIDEWAY & UTILITIES
FIBER OPTIC AND TRAFFIC SIGNAL
INTERCONNECT PLAN**

EB 1394+00 TO EB 1399+50

Contract No.: SV-530
CADD File: CC-C04-TR524
Drawing No: TR524 Rev.
Scale: 1"=20'
Page No. 300 of 323

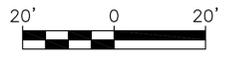


CONSTRUCTION NOTE:

Cut, Plug, and Remove Portion of F10 (Abnd) and 3-F14 (Abnd) encountered near column foundation as necessary.

NOTE:

For drainage relocations, see Drawing No. UP124A.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: D Toba
 Drawn: D Toba
 Checked: H Andrews
 Approved: J Yamamoto
 Date: 12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

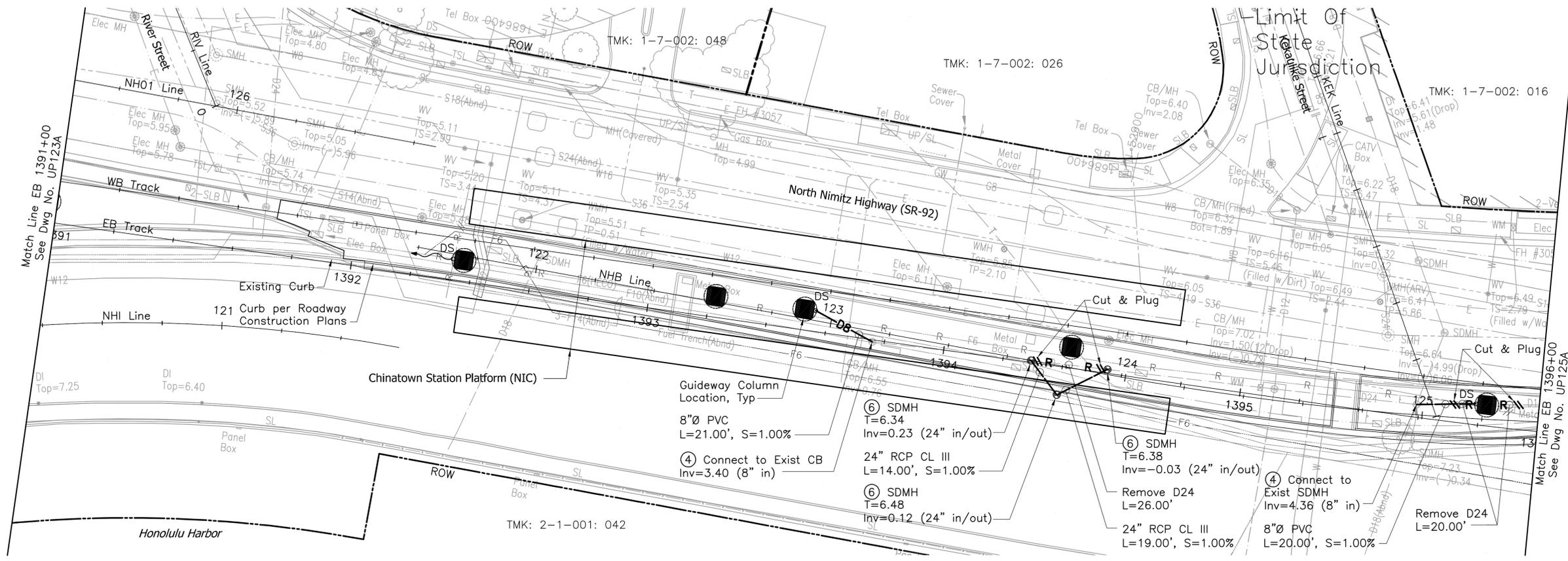
Subconsultant: **R. M. TOWILL CORPORATION**
 808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3470

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**CITY CENTER GUIDEWAY & UTILITIES
 UTILITY RELOCATION PLAN
 WATER, SEWER, PETROLEUM, & GAS**

EB 1391+00 TO EB 1396+00 SHEET 1 OF 2

Contract No.: SV-530	
CADD File: CC-D03-UP124	
Drawing No: UP124	Rev.
Scale: 1"=20'	
Page No. 106	of 319



- CONSTRUCTION NOTES:**
- ① Construct Storm Drain Manhole for Sidewalk Area per C&C of Honolulu Std Detail D-17
 - ② Construct Catch Basin, Type A per C&C of Honolulu Standard Detail D-1
 - ③ Construct Storm Drain Manhole for Pavement Area per C&C of Honolulu Standard Detail D-18
 - ④ Construct Connection to Existing DI/SDMH/CB per Detail on Dwg No. GD102
 - ⑤ Construct Catch Basin Type B per C&C of Honolulu Standard Detail D-5
 - ⑥ Construct Storm Drain Manhole, Type A per HDOT Std Plan No. H-03
- NOTE:**
For water, sewer, petroleum and gas lines relocation see Drawing No. UP124.



Rev	By	Date	Description

**PRELIMINARY
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Designed: E Leung
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

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 Fax: (808) 523-1738
 E-mail: admin@lyonassociates.com
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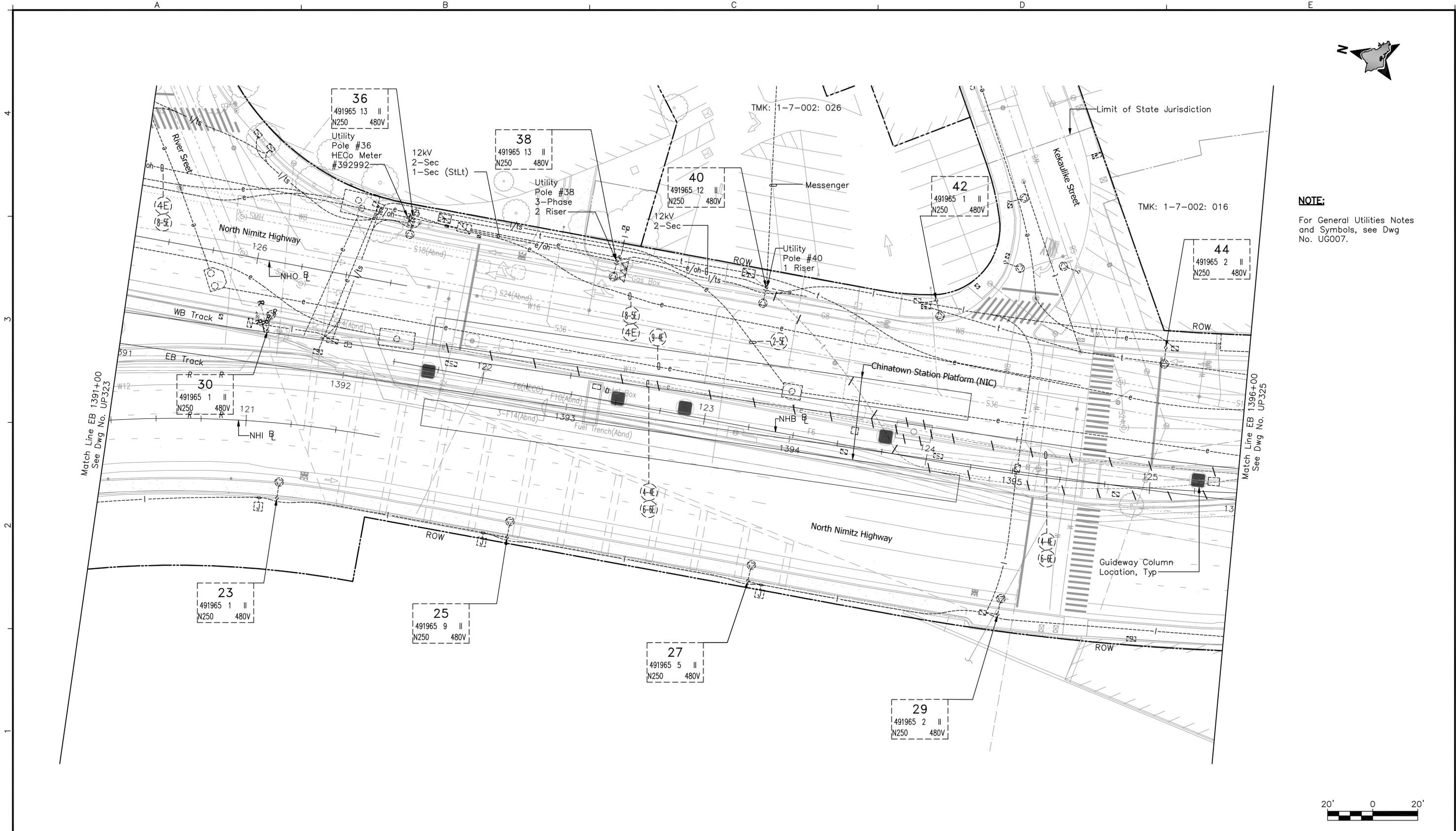
CITY CENTER GUIDEWAY & UTILITIES
UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1391+00 TO EB 1396+00 SHEET 2 OF 2

Contract No.: SV-530	Rev.
CADD File: CC-D03-UP124A	
Drawing No: UP124A	
Scale: 1"=20'	
Page No. 107 of 319	



NOTE:
For General Utilities Notes and Symbols, see Dwg No. UG007.



Rev	By	Date	Description

**PRELIMINARY
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G Takase
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

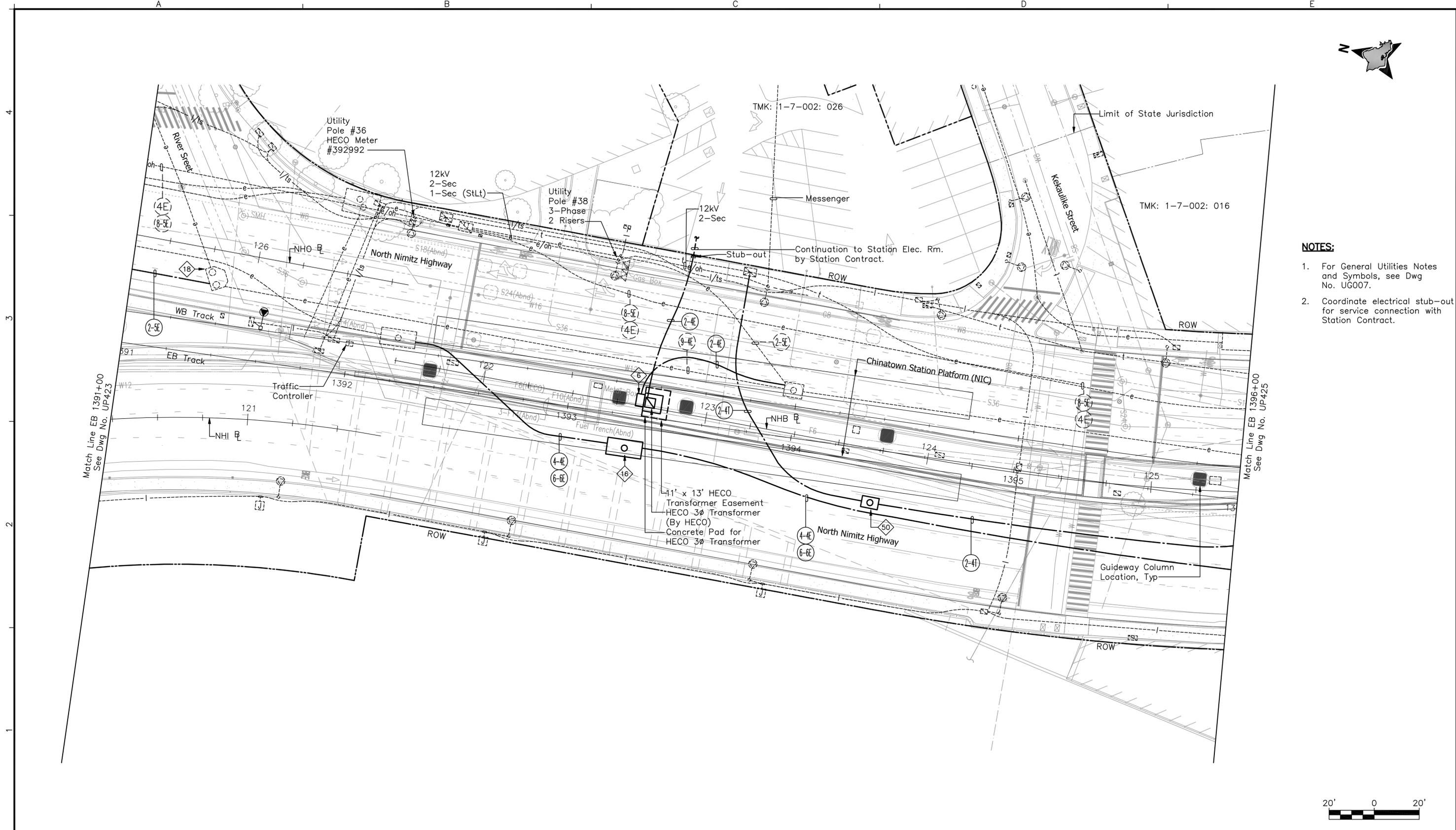
Prime Consultant:
PARSONS BRINCKERHOFF
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813
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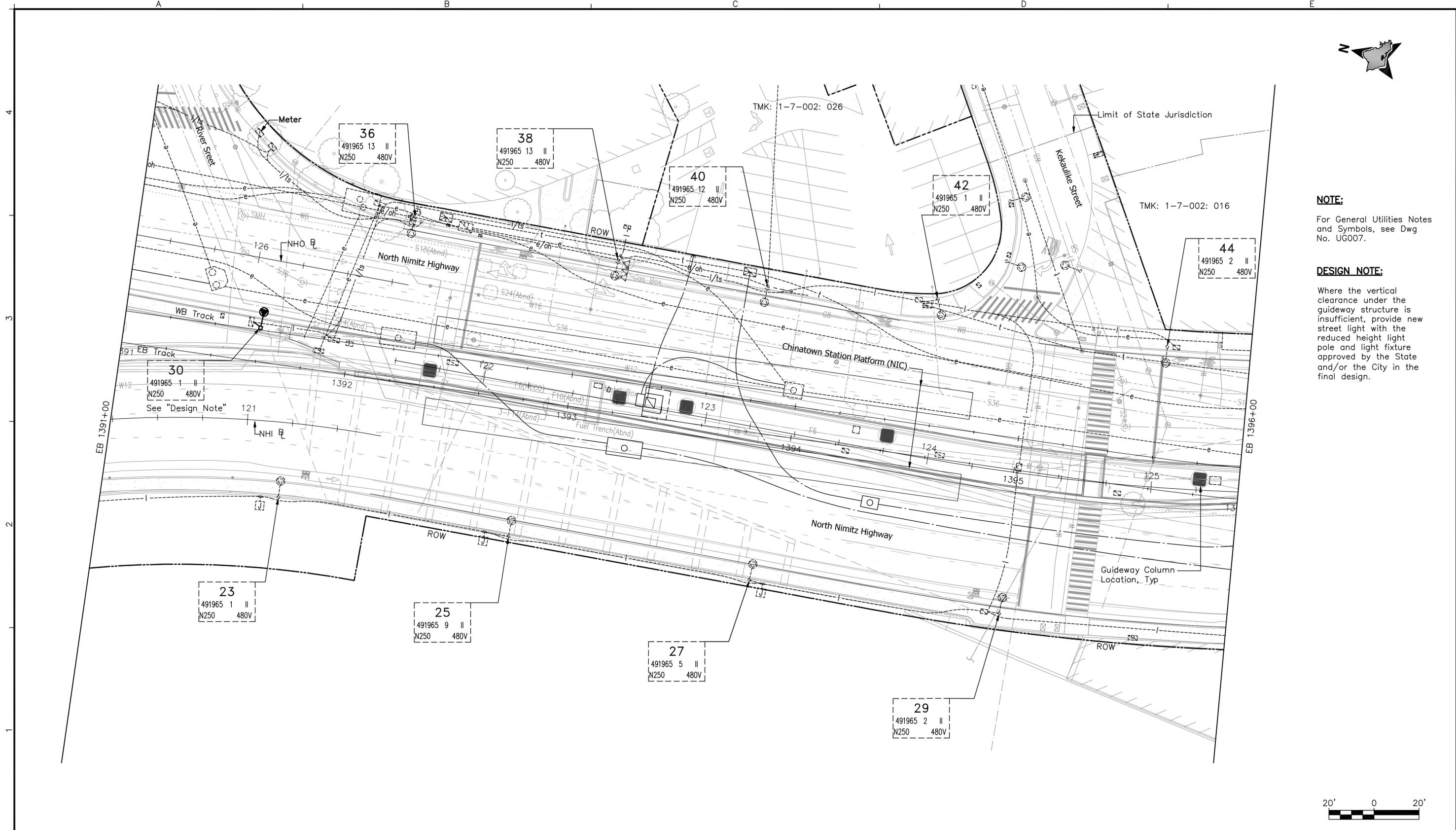
Subconsultant:
RONALD N. S. HO & ASSOCIATES, INC.
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2138 Algoroba Street, Suite A Honolulu, Hawaii 96826
Phone: (808)941-0577 Fax: (808)945-2646

**CITY CENTER GUIDEWAY & UTILITIES
UTILITY DEMOLITION PLAN
ELECTRICAL & COMMUNICATIONS**

EB 1391+00 TO EB 1396+00

Contract No.: SV-530	
CADD File: CC-D03-UP324	
Drawing No: UP324	Rev.
Scale: 1"=20'	
Page No. 183 of 319	





NOTE:
For General Utilities Notes and Symbols, see Dwg No. UG007.

DESIGN NOTE:
Where the vertical clearance under the guideway structure is insufficient, provide new street light with the reduced height light pole and light fixture approved by the State and/or the City in the final design.

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
G Takase
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R Nagata
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S Sakai
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S Sakai
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12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

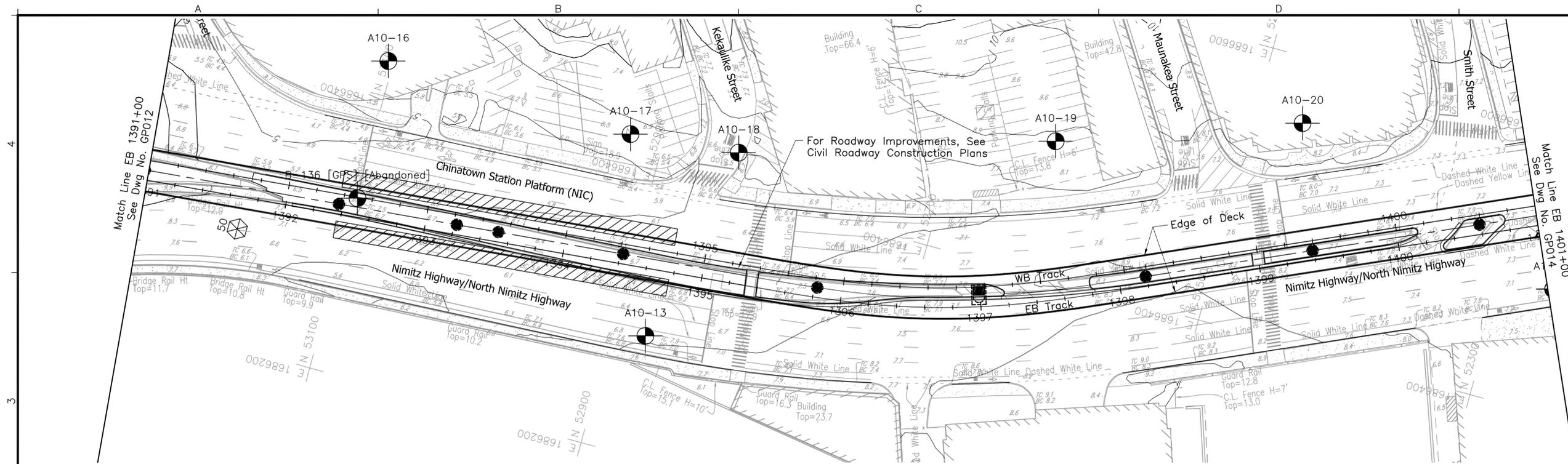
Prime Consultant:
PARSONS BRINCKERHOFF
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813
For reduced prints, original page size in inches: 0 1 2 3 4

Subconsultant:
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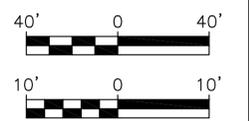
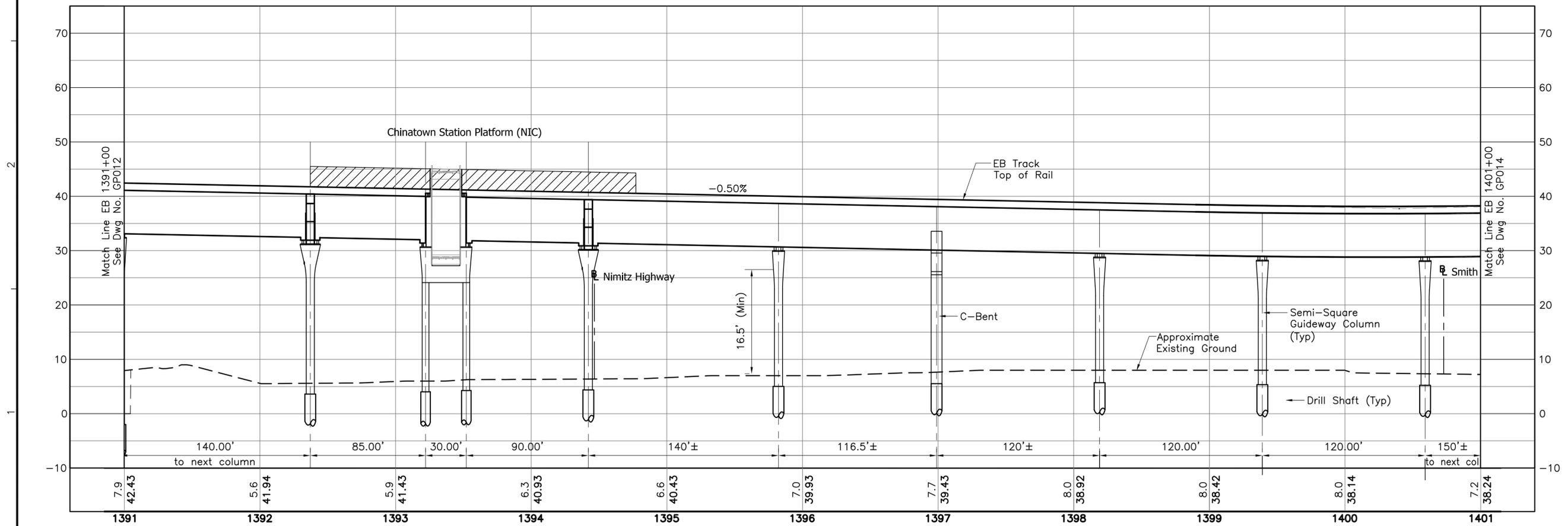
**CITY CENTER GUIDEWAY & UTILITIES
UTILITY RELOCATION PLAN
STREET LIGHT & TRAFFIC SIGNAL**

EB 1391+00 TO EB 1396+00

Contract No.: SV-530	
CADD File: CC-D05-SL024	
Drawing No: SL024	Rev.
Scale: 1"=20'	
Page No. 300 of 319	



- NOTES:**
1. See Dwg Nos. SG001 and SG002 for Structural General Notes, Symbols and Abbreviations.
 2. The configuration shown relative to NIC work and site condition is under development and subject to change.
 3. Unless shown otherwise on the drawings, the semi-square columns, if used, shall not be less than 6-foot by 6-foot, and the associated drilled shafts shall not be less than 8-foot in diameter.
 4. For Chinatown Station details, See Dwg Nos. FP005 thru FP005C.



Rev	By	Date	Description

**PRELIMINARY
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
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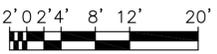
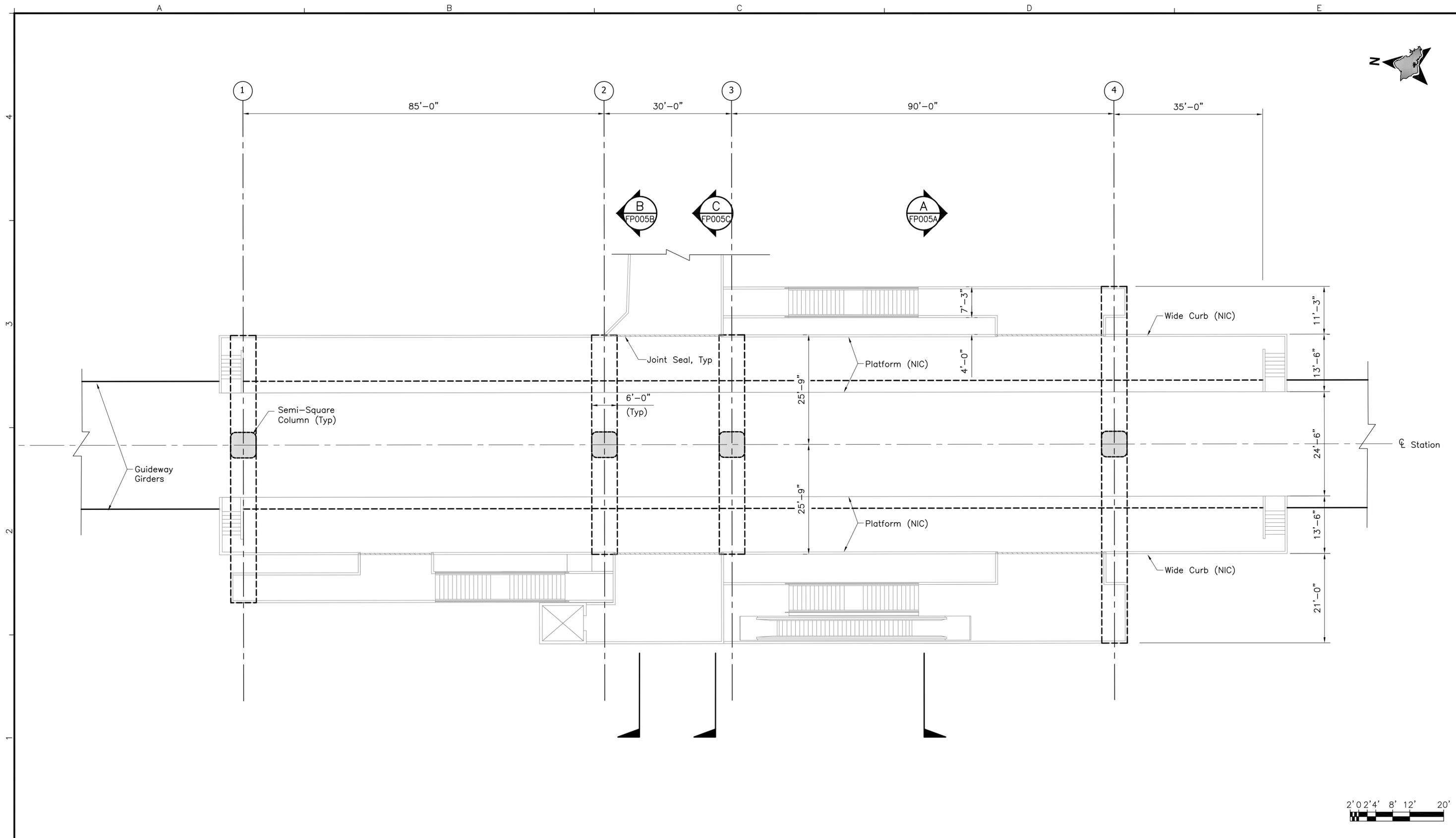
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CITY CENTER GUIDEWAY & UTILITIES

**STRUCTURAL
PLAN AND PROFILE**

EB 1391+00 TO EB 1401+00

Contract No.: SV-530
CADD File: CC-G04-GP013
Drawing No: GP013 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 34 of 202



Rev	By	Date	Description

**PRELIMINARY
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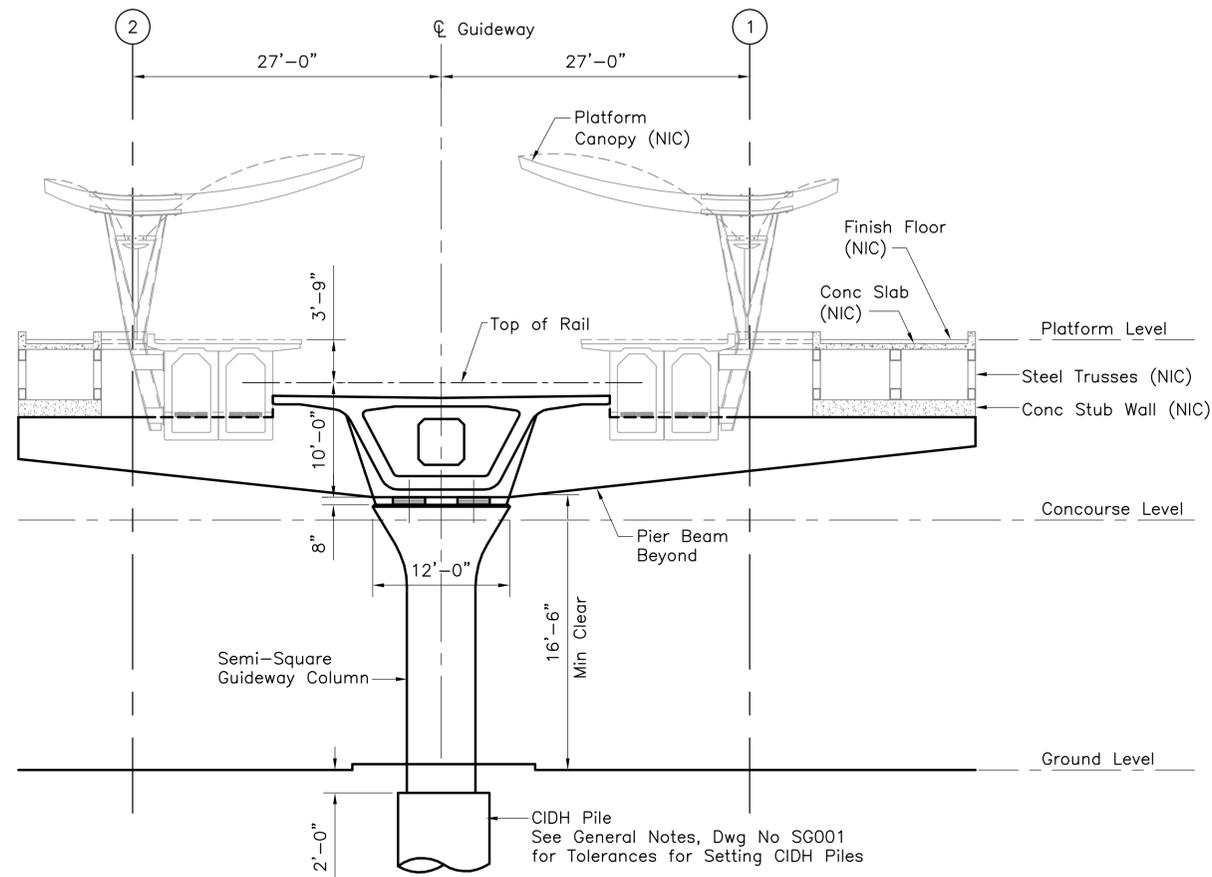
Designed:
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T Kimura
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12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

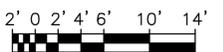
Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813
Subconsultant:

**CITY CENTER GUIDEWAY & UTILITIES
CHINATOWN STATION
GUIDEWAY/STATION INTERFACE
PLATFORM LEVEL PLAN**

Contract No.: SV-530
CADD File: CC-G05-FP005
Drawing No: FP005 Rev.
Scale: 3/32"=1'-0"
Page No. 70 of 202



SECTION A
 1/8"=1'-0"
 FP005A
 FP005



Rev	By	Date	Description

**PRELIMINARY
 ENGINEERING
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12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

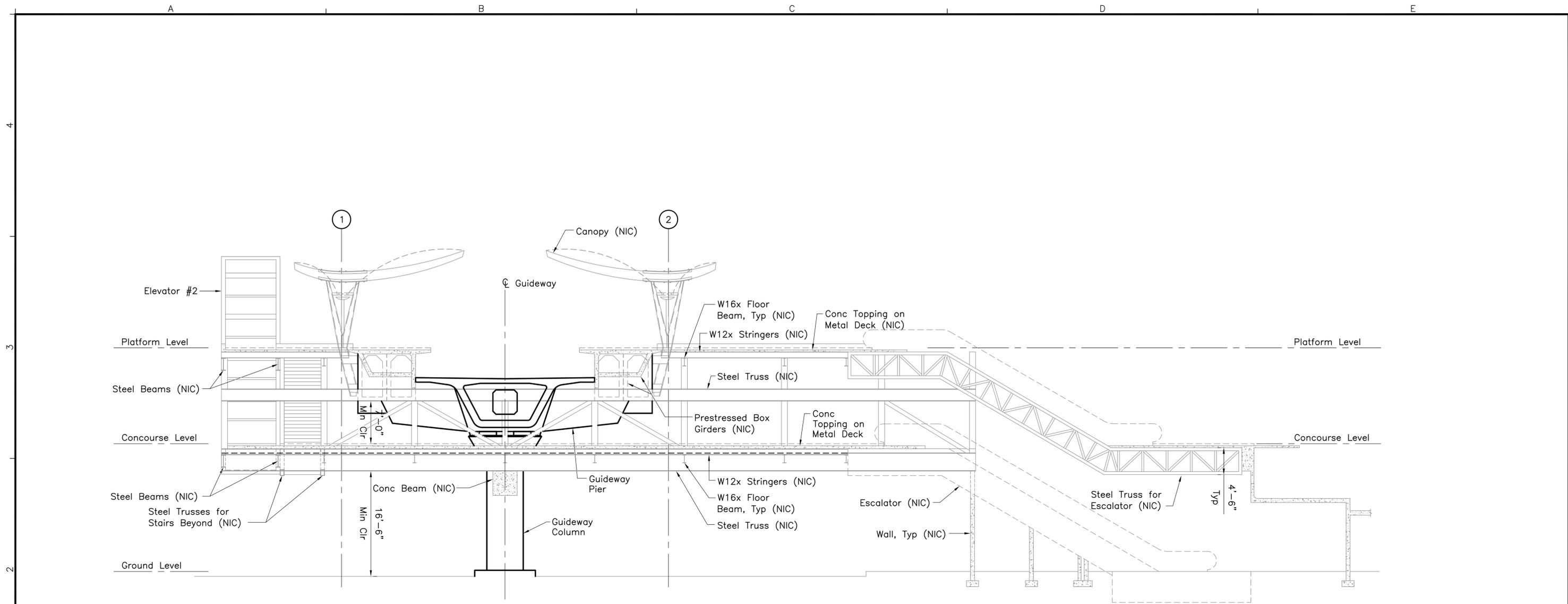
Prime Consultant:
PARSONS BRINCKERHOFF
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant:

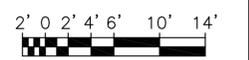
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CITY CENTER GUIDEWAY & UTILITIES
CHINATOWN STATION
GUIDEWAY/STATION INTERFACE
SECTION A

Contract No.:
SV-530
 CADD File:
CC-G05-FP005A
 Drawing No: FP005A Rev.
 Scale:
1/8"=1'-0"
 Page No. 71 of 202



SECTION B
 1/8"=1'-0"
 FP005B
 FP005



Rev	By	Date	Description

**PRELIMINARY
 ENGINEERING
 SUBJECT TO REVISION**

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T Kimura
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A Borst
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12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant:
PARSONS BRINCKERHOFF
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

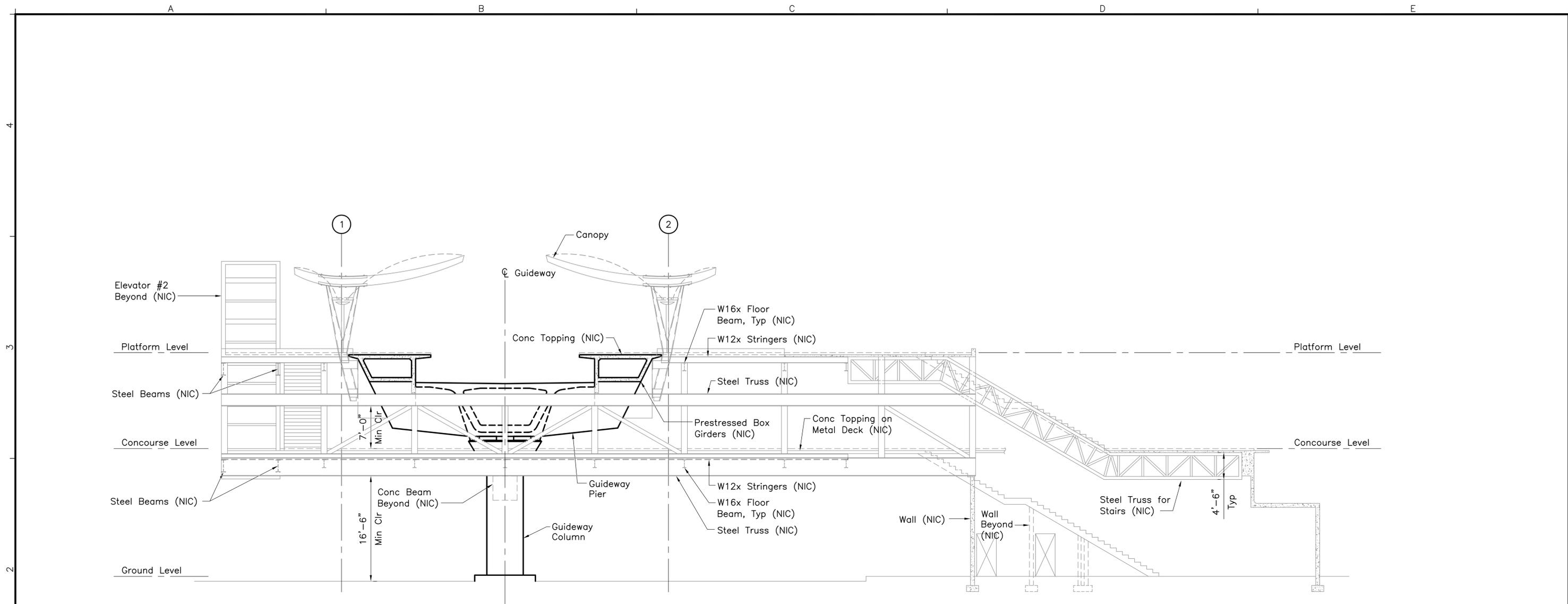
Subconsultant:

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**CITY CENTER GUIDEWAY & UTILITIES
 CHINATOWN STATION
 GUIDEWAY/STATION INTERFACE**

SECTION B

Contract No.:
SV-530
 CADD File:
CC-G05-FP005B
 Drawing No:
FP005B
 Scale:
1/8"=1'-0"
 Page No.
72 of 202



SECTION C
 1/8"=1'-0"
 FP005C
 FP005



Rev	By	Date	Description

**PRELIMINARY
 ENGINEERING
 SUBJECT TO REVISION**

Designed:
D Yavorsky
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T Cochran
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T Kimura
 Approved:
A Borst
 Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant:

For reduced prints, original page size in inches: 0 1 2 3 4

**CITY CENTER GUIDEWAY & UTILITIES
 CHINATOWN STATION
 GUIDEWAY/STATION INTERFACE**

SECTION C

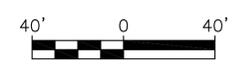
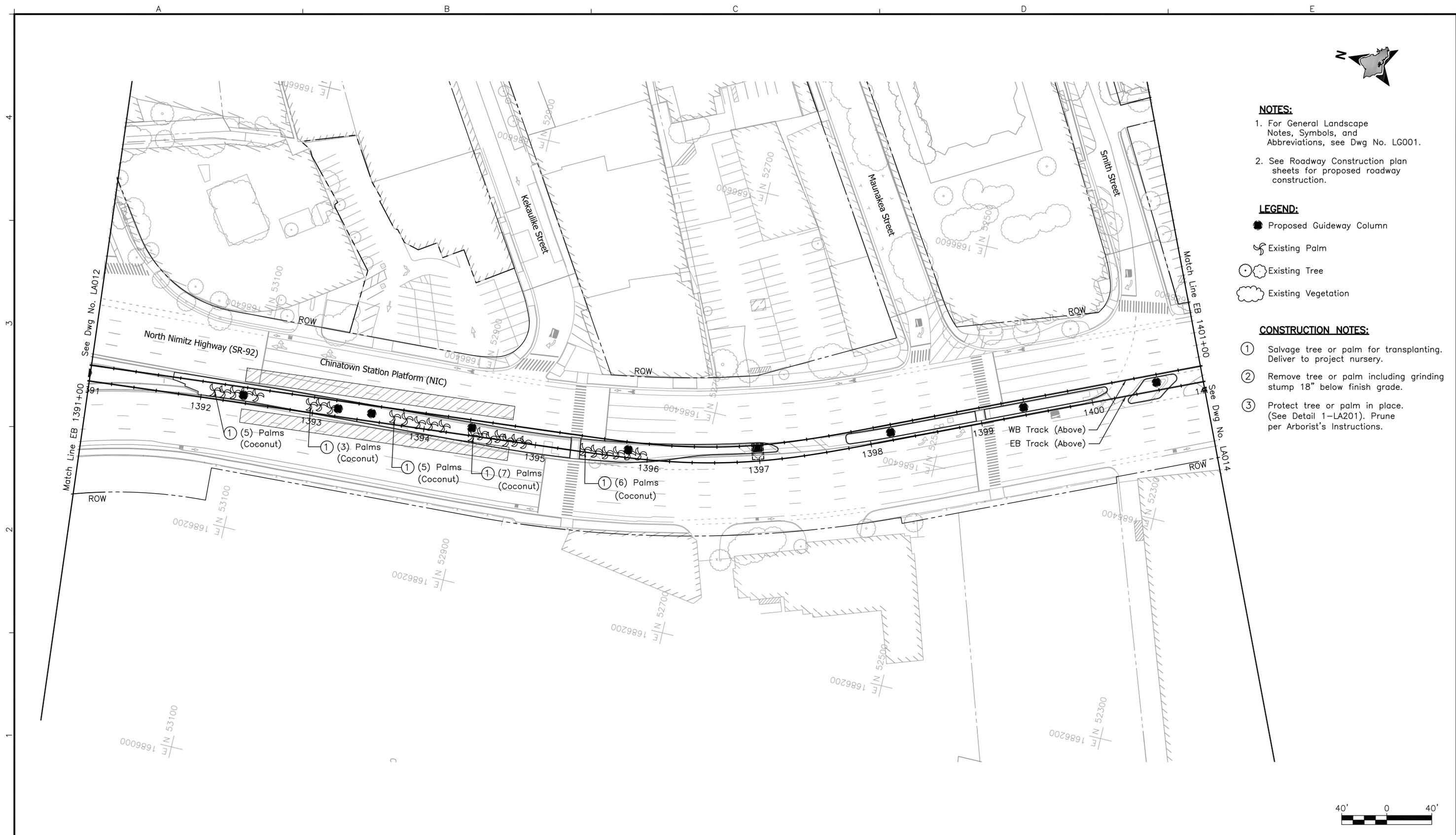
Contract No.: SV-530
 CADD File: CC-G05-FP005C
 Drawing No: FP005C Rev.
 Scale: 1/8"=1'-0"
 Page No. 73 of 202



- NOTES:**
1. For General Landscape Notes, Symbols, and Abbreviations, see Dwg No. LG001.
 2. See Roadway Construction plan sheets for proposed roadway construction.

- LEGEND:**
- Proposed Guideway Column
 - ☞ Existing Palm
 - ⊙ Existing Tree
 - ☁ Existing Vegetation

- CONSTRUCTION NOTES:**
- ① Salvage tree or palm for transplanting. Deliver to project nursery.
 - ② Remove tree or palm including grinding stump 18" below finish grade.
 - ③ Protect tree or palm in place. (See Detail 1-LA201). Prune per Arborist's Instructions.



Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
K Sasaki
Drawn:
C Kimura
Checked:
J Kurokawa
Approved:
J Kurokawa
Date:
12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

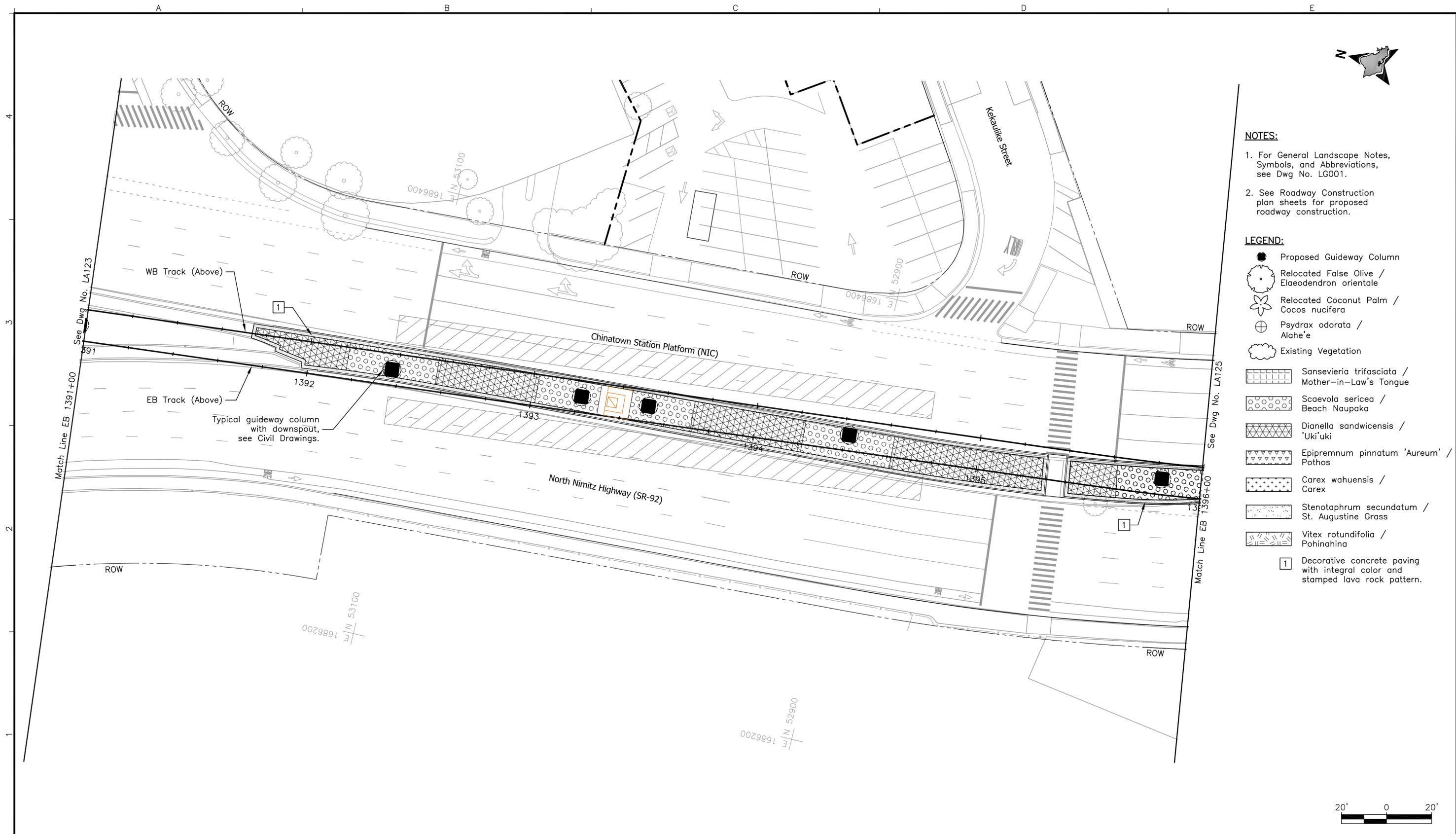
Subconsultant: **CONCEPTS LLC**
Site Planning
Landscape Architects
1580 Makaloa Street, Suite 1005
Honolulu, HI 96814

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**CITY CENTER GUIDEWAY & UTILITES
LANDSCAPE DEMOLITION PLAN**

EB 1391+00 TO EB 1401+00

Contract No.: SV-530	
CADD File: CC-J02-LA013	
Drawing No: LA013	Rev.
Scale: 1"=40'	
Page No. 128	of 202



- NOTES:**
- For General Landscape Notes, Symbols, and Abbreviations, see Dwg No. LG001.
 - See Roadway Construction plan sheets for proposed roadway construction.
- LEGEND:**
- Proposed Guideway Column
 - Relocated False Olive / *Elaeodendron orientale*
 - ✿ Relocated Coconut Palm / *Cocos nucifera*
 - ⊕ *Psydrax odorata* / *Alaha'e*
 - ☁ Existing Vegetation
 - ▨ *Sansevieria trifasciata* / Mother-in-Law's Tongue
 - ▩ *Scaevola sericea* / Beach Naupaka
 - ▧ *Dianella sandwicensis* / 'Uki'uki
 - ▦ *Epipremnum pinnatum 'Aureum'* / Pothos
 - ▤ *Carex wahuensis* / *Carex*
 - ▣ *Stenotaphrum secundatum* / St. Augustine Grass
 - ▢ *Vitex rotundifolia* / Pohinahina
 - 1 Decorative concrete paving with integral color and stamped lava rock pattern.

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed: K Sasaki
 Drawn: C Kimura
 Checked: J Kurokawa
 Approved: J Kurokawa
 Date: 12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

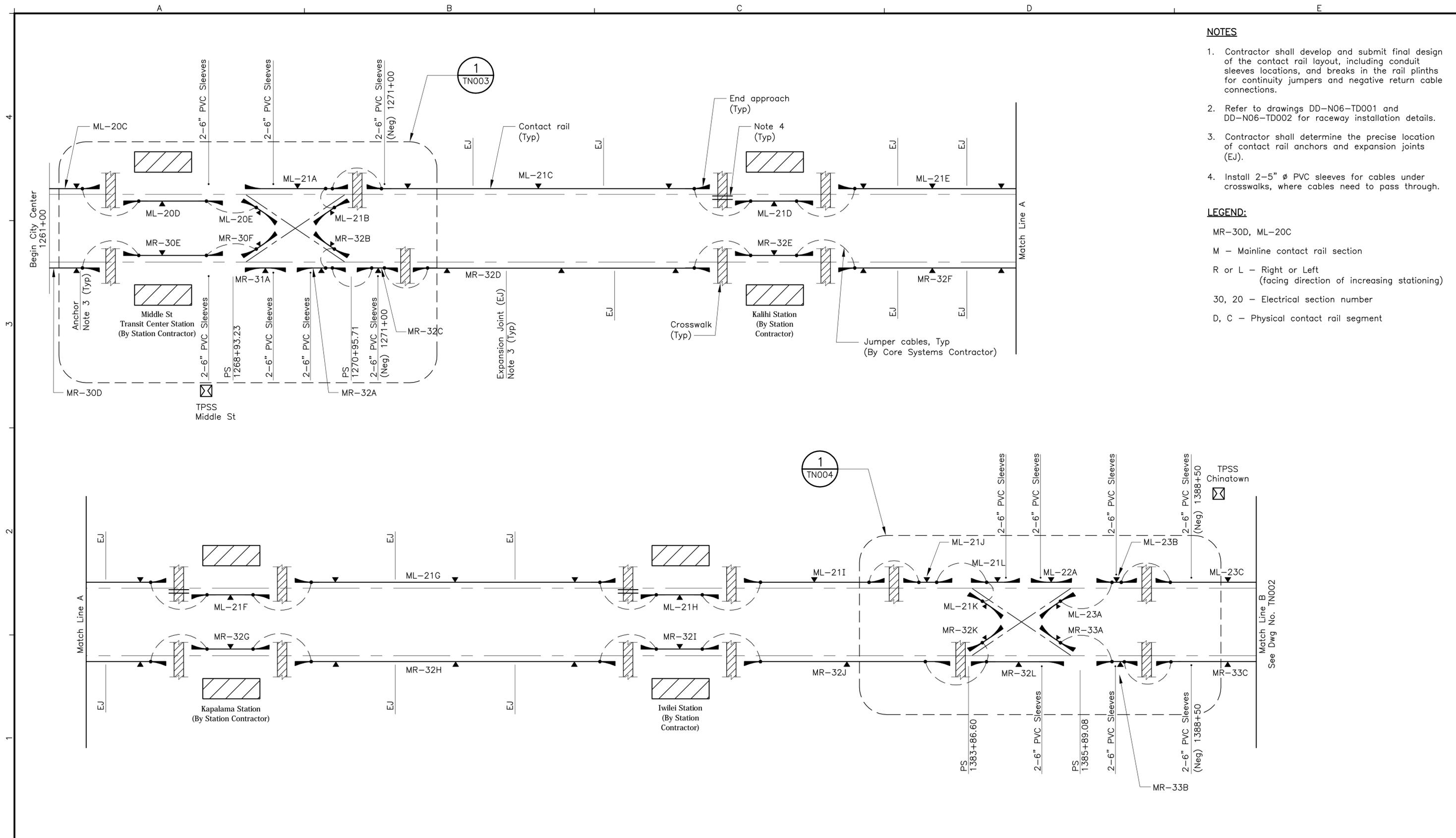
Prime Consultant: **PARSONS BRINCKERHOFF**
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**CITY CENTER GUIDEWAY & UTILITIES
 LANDSCAPE PLANTING
 AND PAVING PLAN**

EB 1391+00 TO EB 1396+00

Contract No.: SV-530	
CADD File: CC-J04-LA124	
Drawing No: LA124	Rev.
Scale: 1"=20'	
Page No. 163	of 202



- NOTES**
1. Contractor shall develop and submit final design of the contact rail layout, including conduit sleeves locations, and breaks in the rail plinths for continuity jumpers and negative return cable connections.
 2. Refer to drawings DD-N06-TD001 and DD-N06-TD002 for raceway installation details.
 3. Contractor shall determine the precise location of contact rail anchors and expansion joints (EJ).
 4. Install 2-5" ϕ PVC sleeves for cables under crosswalks, where cables need to pass through.

- LEGEND:**
- MR-30D, ML-20C
 - M - Mainline contact rail section
 - R or L - Right or Left (facing direction of increasing stationing)
 - 30, 20 - Electrical section number
 - D, C - Physical contact rail segment

Rev	By	Date	Description

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

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J Sun
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O Kurnovskaya
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A Patel
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S Stoilov
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

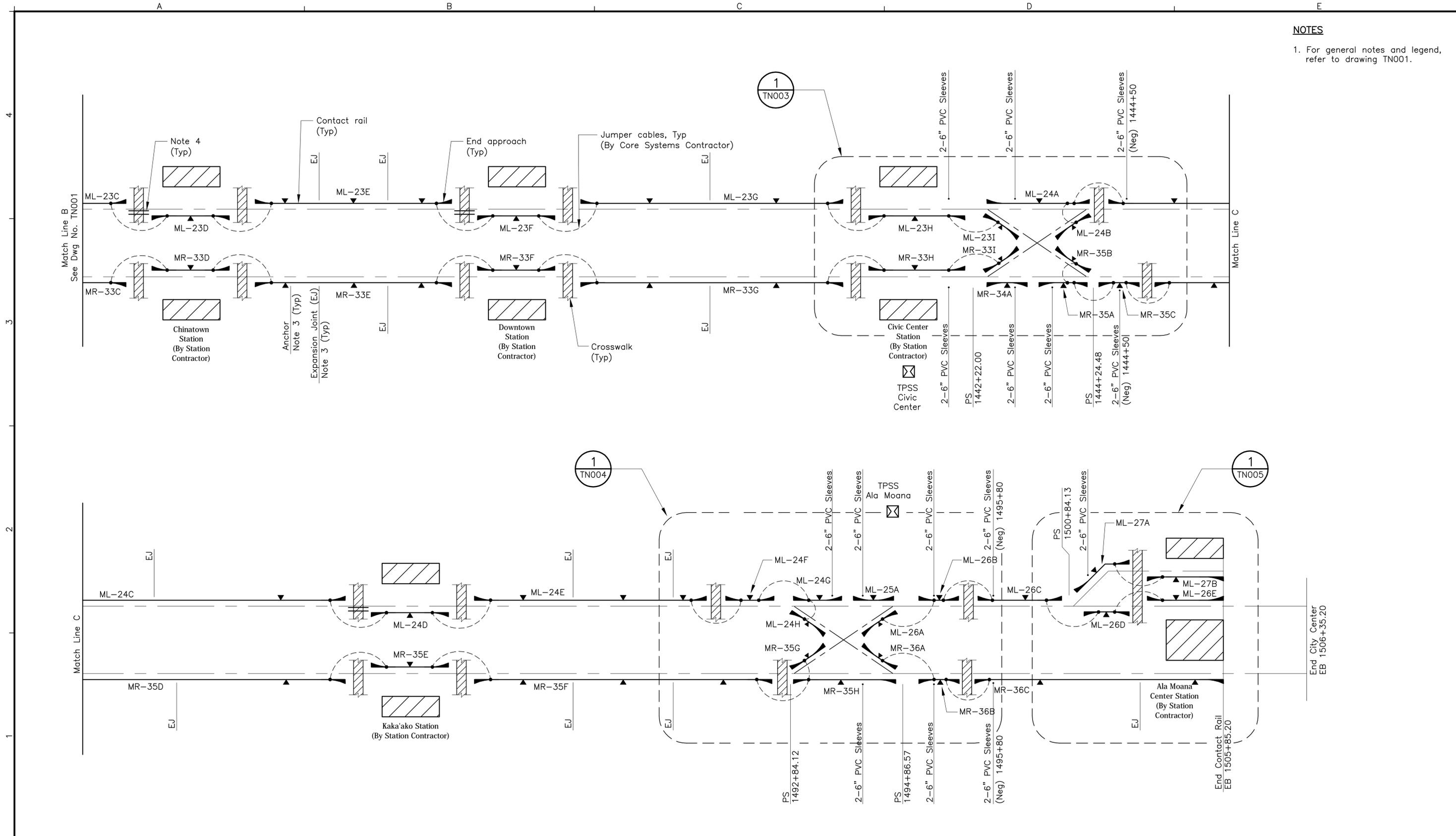
Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813
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CITY CENTER GUIDEWAY & UTILITIES
CONTACT RAIL INSTALLATION
CONTACT RAIL SCHEMATIC LAYOUT
SHEET 1 OF 2

Contract No.: SV-530	Rev.
CADD File: CC-N06-TN001	
Drawing No: TN001	
Scale: NTS	
Page No. 194 of 202	

NOTES

1. For general notes and legend, refer to drawing TN001.



Rev	By	Date	Description

**PRELIMINARY
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SUBJECT TO REVISION**

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S Stoilov
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12-21-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

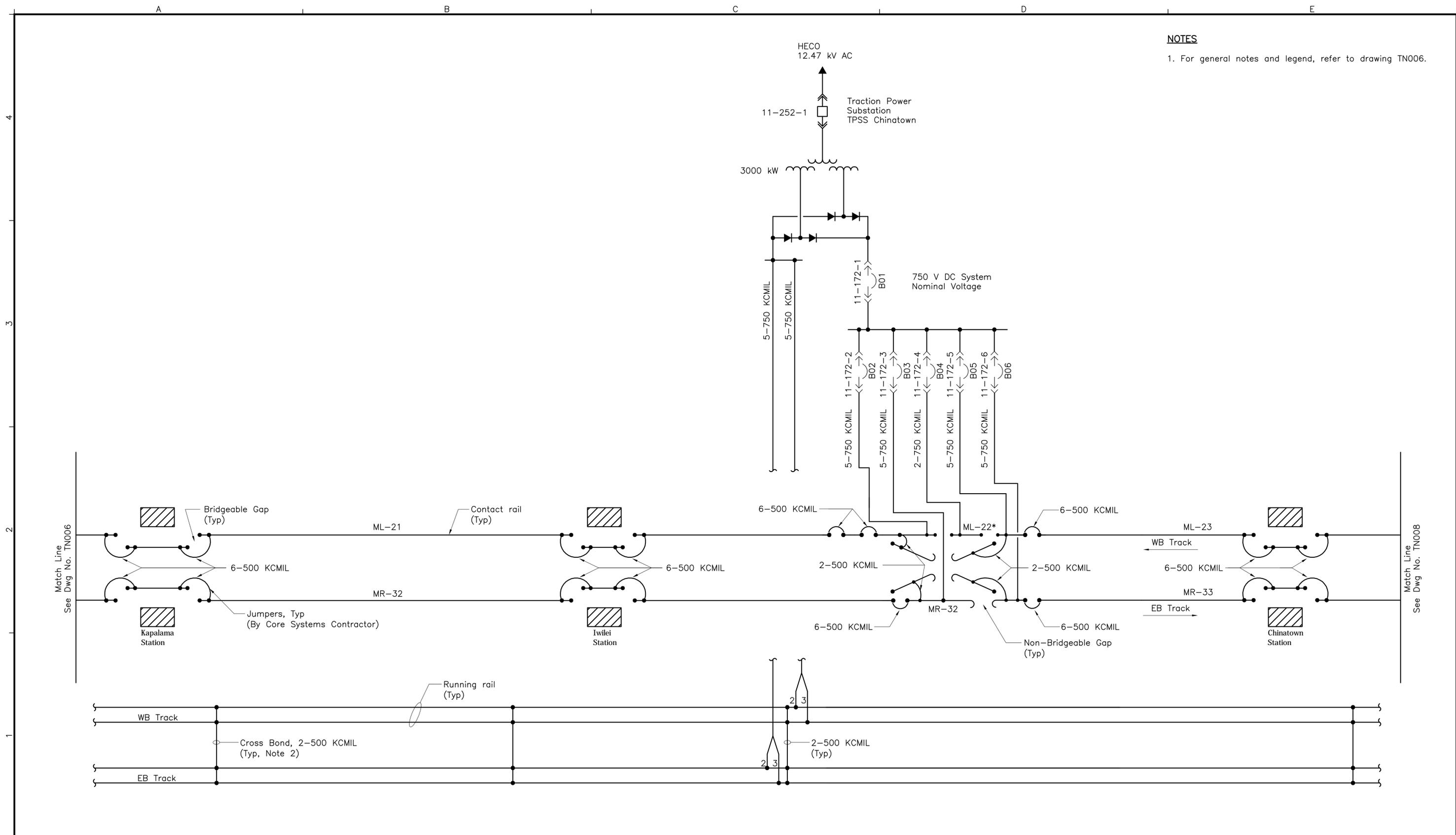
Prime Consultant: **PARSONS BRINCKERHOFF**
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For reduced prints, original page size in inches: 0 1 2 3 4

CITY CENTER GUIDEWAY & UTILITIES

**CONTACT RAIL INSTALLATION
CONTACT RAIL SCHEMATIC LAYOUT**

SHEET 2 OF 2

Contract No.:	SV-530
CADD File:	CC-N06-TN002
Drawing No:	TN002
Scale:	NTS
Page No.:	195 of 202



NOTES
 1. For general notes and legend, refer to drawing TN006.

Rev	By	Date	Description

**PRELIMINARY
 ENGINEERING
 SUBJECT TO REVISION**

Designed: J Sun
 Drawn: O Kurnovskaya
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
 CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

Prime Consultant: **PARSONS BRINCKERHOFF**
 1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

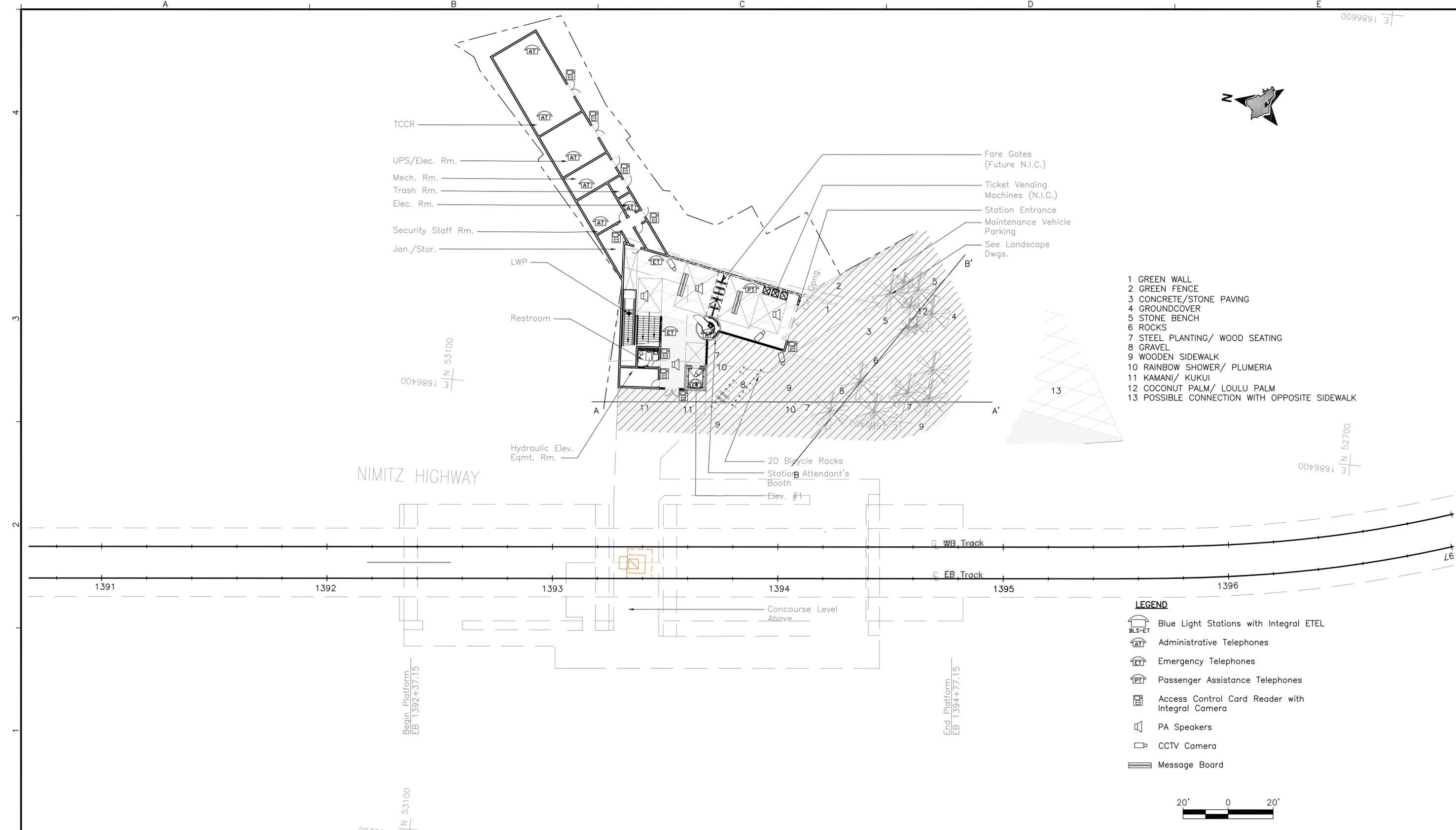
Subconsultant: _____

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CITY CENTER GUIDEWAY & UTILITIES
MASTER SINGLE LINE DIAGRAM

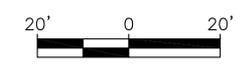
SHEET 2 OF 4

Contract No.: SV-530	
CADD File: CC-N06-TN007	
Drawing No: TN007	Rev.
Scale: NTS	
Page No. 200	of 202



- 1 GREEN WALL
- 2 GREEN FENCE
- 3 CONCRETE/STONE PAVING
- 4 GROUNDCOVER
- 5 STONE BENCH
- 6 ROCKS
- 7 STEEL PLANTING/ WOOD SEATING
- 8 GRAVEL
- 9 WOODEN SIDEWALK
- 10 RAINBOW SHOWER/ PLUMERIA
- 11 KAMANI/ KUKUI
- 12 COCONUT PALM/ LOULU PALM
- 13 POSSIBLE CONNECTION WITH OPPOSITE SIDEWALK

- LEGEND**
- Blue Light Stations with Integral ETEL
 - Administrative Telephones
 - Emergency Telephones
 - Passenger Assistance Telephones
 - Access Control Card Reader with Integral Camera
 - PA Speakers
 - CCTV Camera
 - Message Board



Rev	By	Date	Description
A	HB	11-13-09	Issued For Addendum

**PRELIMINARY
ENGINEERING
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H Bowie
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C Jamison
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

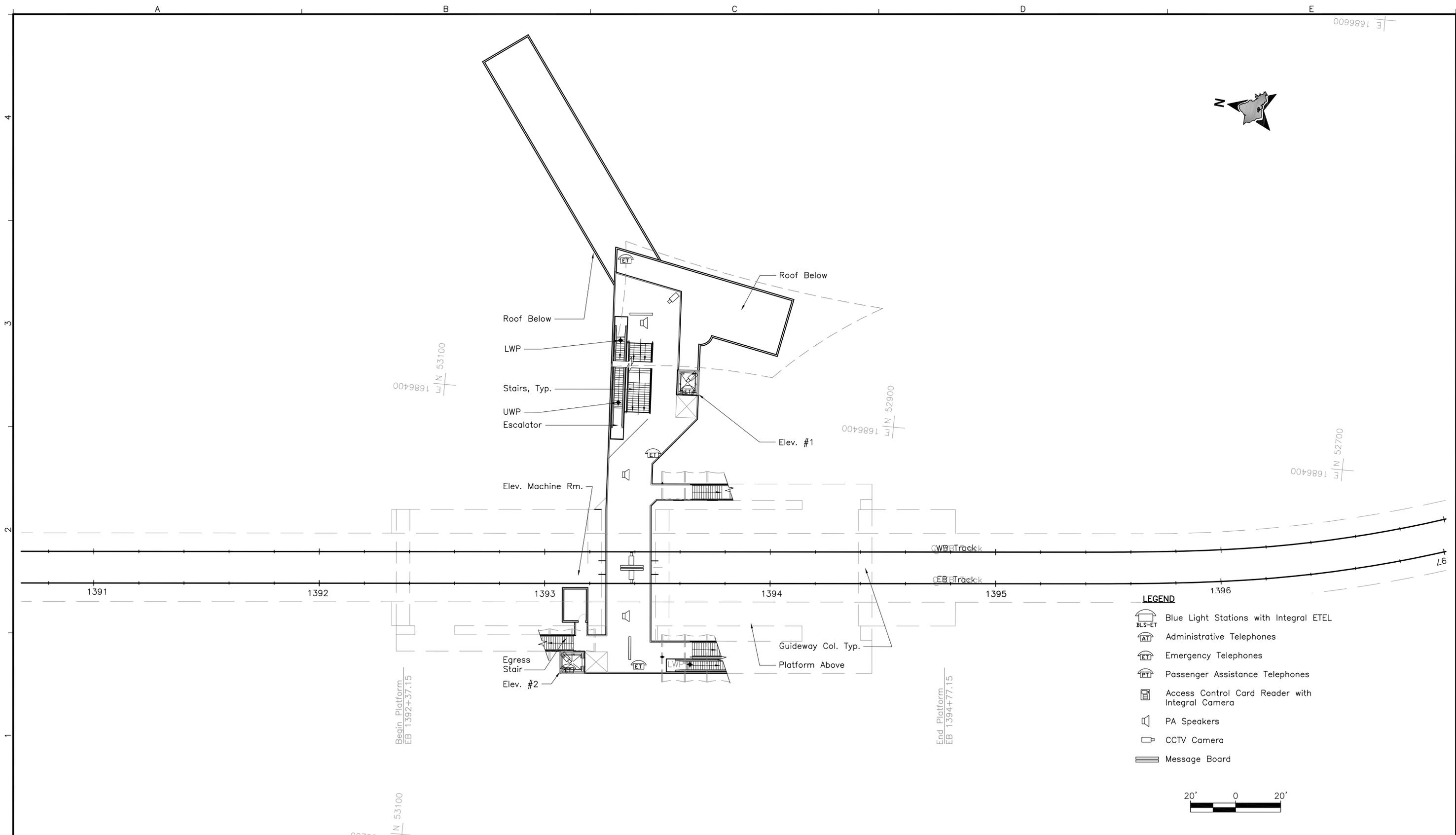
Prime Consultant: **PARSONS BRINCKERHOFF**
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Subconsultant:

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**CORE SYSTEMS
CHINATOWN STATION
COMMUNICATIONS PLAN
GROUND LEVEL**

Contract No.: MI-920	
CADD File: CS-R06-CM604	
Drawing No: CM604	Rev. A
Scale: 1" = 20'	
Page No. 174 of 202	



**PRELIMINARY
ENGINEERING
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11-13-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

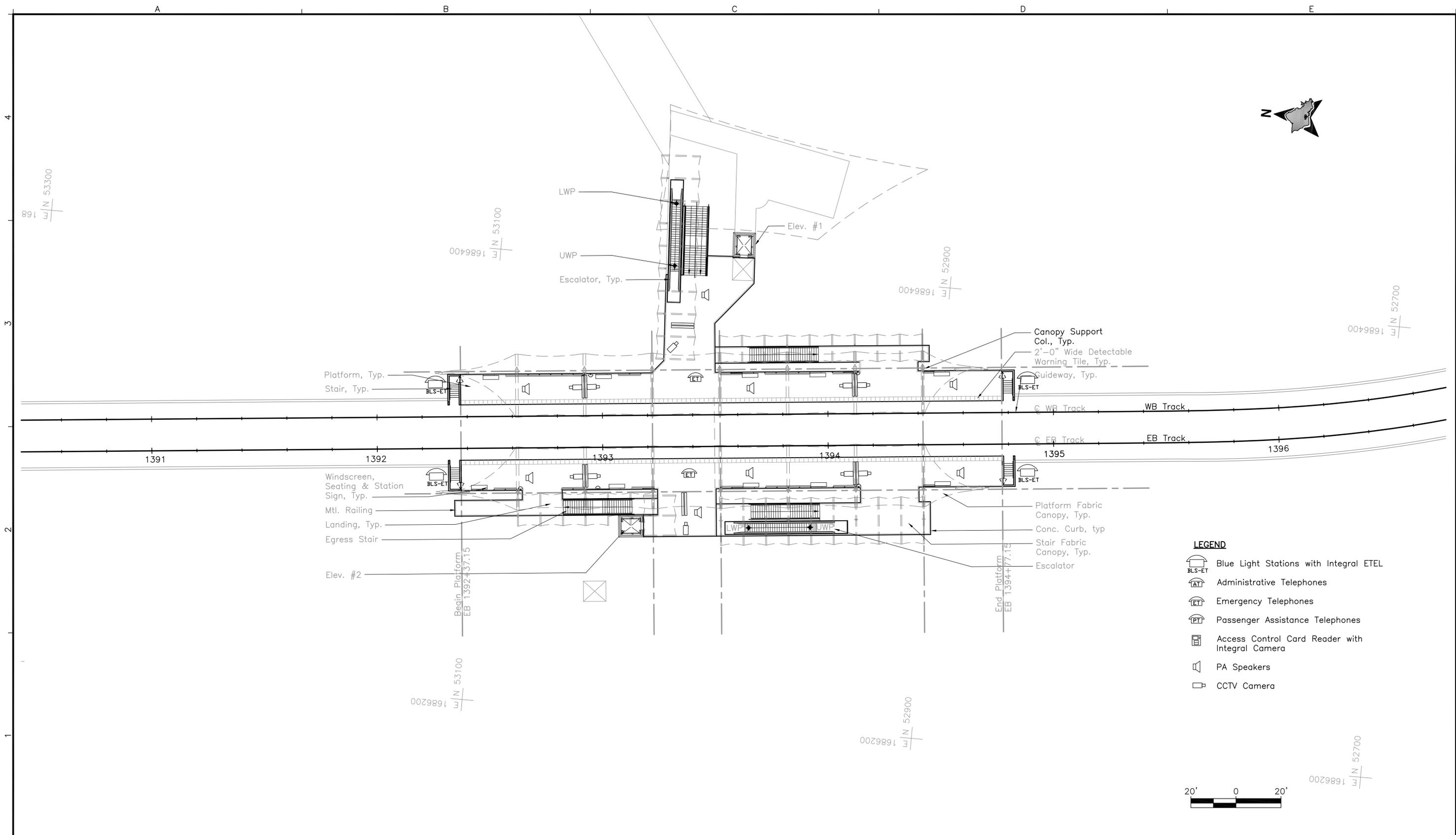
Prime Consultant: **PARSONS BRINCKERHOFF**
1003 Bishop Street, Suite 2250 - Honolulu, HI 96813

Subconsultant:

For reduced prints, original page size in inches: 0 1 2 3 4

**CORE SYSTEMS
CHINATOWN STATION
COMMUNICATIONS PLAN
CONCOURSE LEVEL**

Contract No.: MI-920
CADD File: CS-R06-CM605
Drawing No: CM605 Rev. A
Scale: 1" = 20'
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- LEGEND**
- Blue Light Stations with Integral ETEL
 - Administrative Telephones
 - Emergency Telephones
 - Passenger Assistance Telephones
 - Access Control Card Reader with Integral Camera
 - PA Speakers
 - CCTV Camera

Rev	By	Date	Description
A	HB	11-13-09	Issued For Addendum

**PRELIMINARY
ENGINEERING
SUBJECT TO REVISION**

Designed:
H Bowie
Drawn:
C Jamison
Checked:
B Russo
Approved:
H Bowie
Date:
11-13-09

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

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Subconsultant:

**CORE SYSTEMS
CHINATOWN STATION
COMMUNICATIONS PLAN
PLATFORM LEVEL**

Contract No.: MI-920	
CADD File: CS-R06-CM606	
Drawing No: CM606	Rev. A
Scale: 1" = 20'	
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