City and County of Honolulu
Department of Transportation Services

Rapid Transit Division (RTD)

AIRPORT GUIDEWAY & UTILITIES

Drawing No.	Drawing Description
GN002 (Volume 1)	Volume 1 Title Sheet
RP103, RP105, RP106, RP108	Systems Site Plans
GN002 (Volume 2)	Volume 2 Title Sheet
UP106 through UP162	Utility Relocation Plans Water, Sewer, Drainage, Petroleum, & Gas
UP206 through UP262	Utility Relocation Plans Electrical & Communications
SL006 through SL062	Street Lighting Plans
GN002 (Volume 3)	Volume 3 Title Sheet
GP003 through GP031	Structural Plan & Profiles

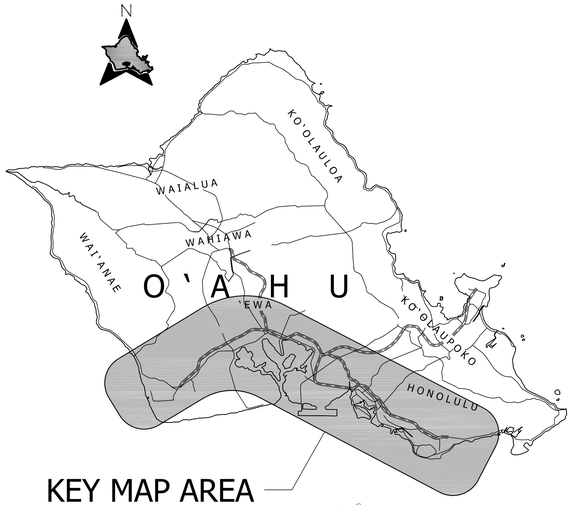
Prepared for:
HHCTCP

Prepared by:
Parsons Brinckerhoff
General Engineering Consultant (GEC)

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

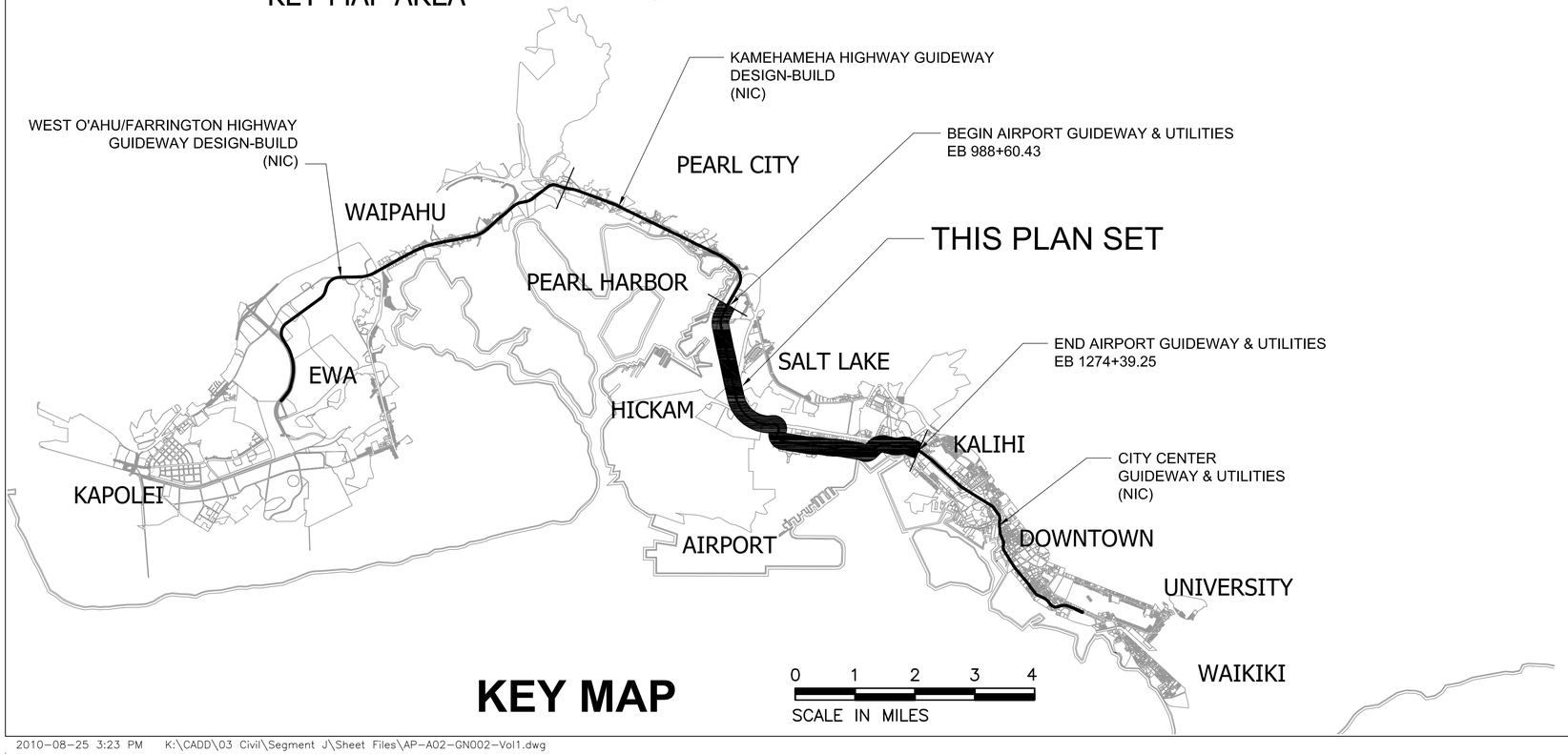
AIRPORT GUIDEWAY & UTILITIES

VOLUME 1 - CIVIL AND TRAFFIC



City and County of Honolulu
Department of Transportation Services

Rapid Transit Division



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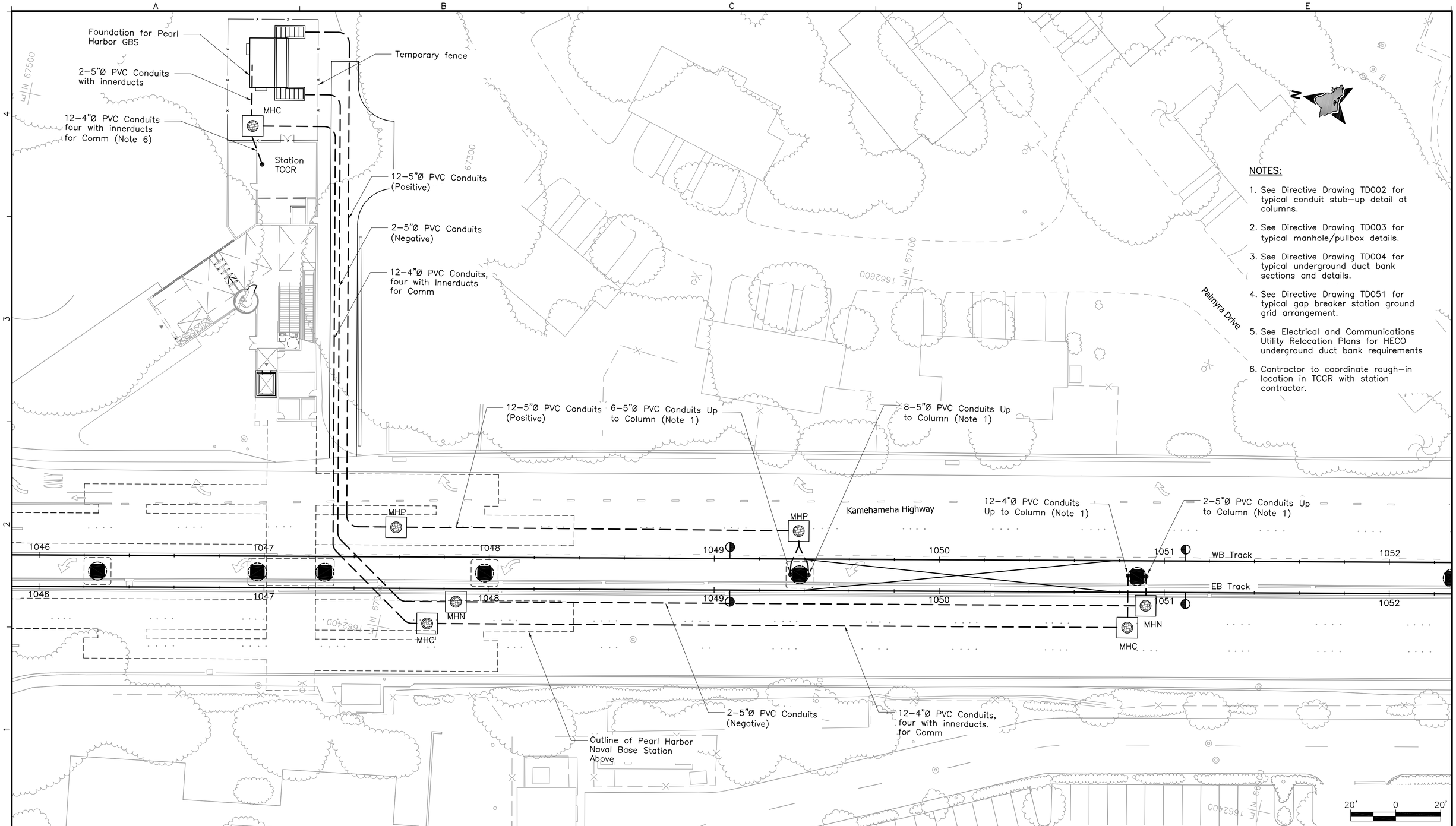

NOTES:

1. See Directive Drawing TD002 for typical conduit stub-up detail at columns.
2. See Directive Drawing TD003 for typical manhole/pullbox details.
3. See Directive Drawing TD004 for typical underground duct bank sections and details.
4. See Directive Drawing TD051 for typical gap breaker station ground grid arrangement.
5. See Electrical and Communications Utility Relocation Plans for HECO underground duct bank requirements
6. Contractor to coordinate rough-in location in TCCR with station contractor.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Gobelle
Drawn: C Jamison
Checked: L Mayola
Approved: C Shimizu
Date: 10-01-10

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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AIRPORT GUIDEWAY & UTILITIES

SYSTEMS SITE PLAN
SITE # 25

Contract No.: SV-430
CADD File: AP-B10-RP103
Drawing No: RP103
Rev.
Scale: 1"=20'
Page No. 114 of 279

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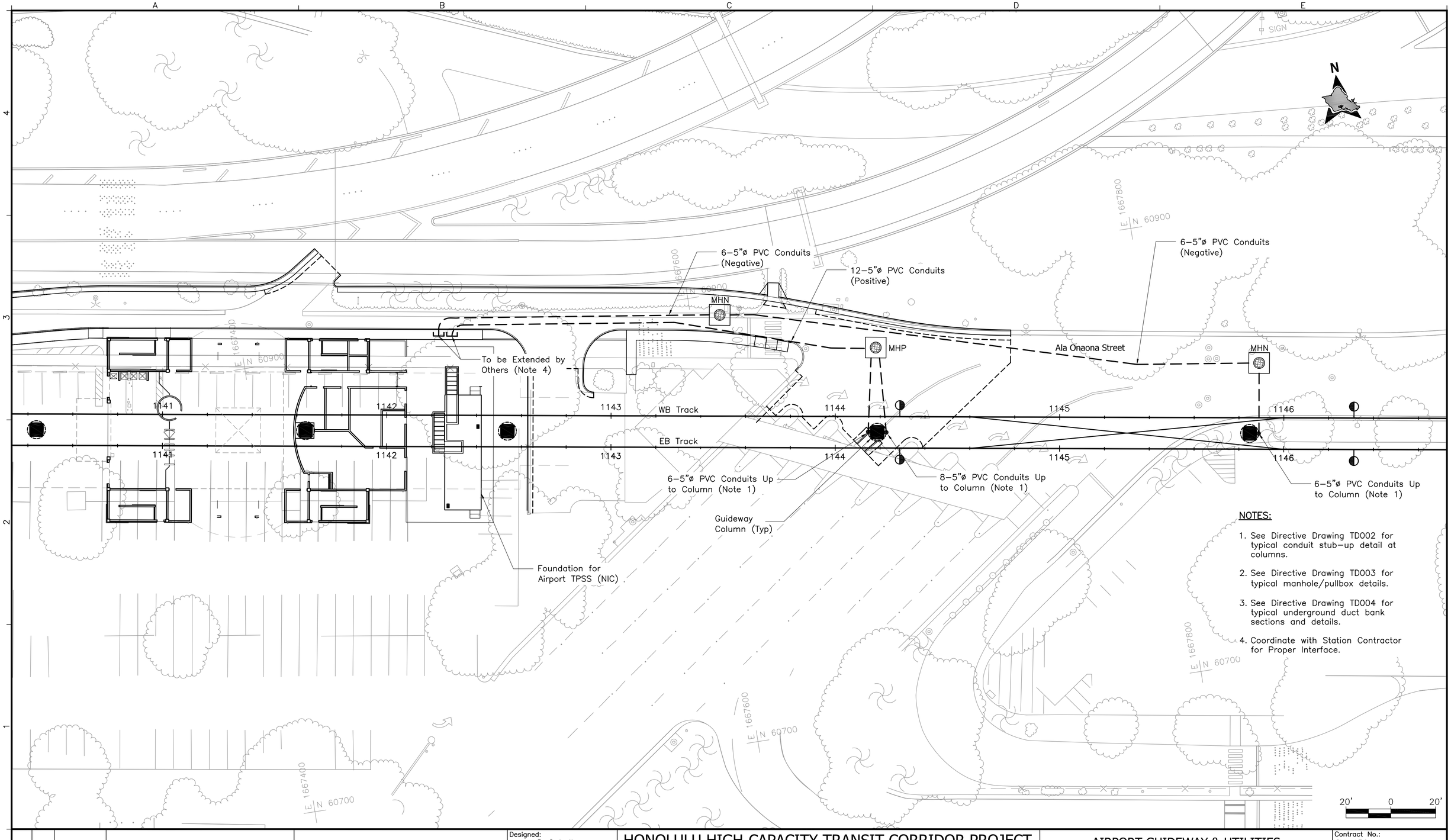

NOTES:

1. See Directive Drawing TD002 for typical conduit stub–up detail at columns.
2. See Directive Drawing TD003 for typical manhole/pullbox details.
3. See Directive Drawing TD004 for typical underground duct bank sections and details.
4. Coordinate with Station Contractor for Proper Interface.

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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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AIRPORT GUIDEWAY & UTILITIES

SYSTEMS SITE PLAN
SITE # 27

Contract No.: SV–430
CADD File: AP–B10–RP105
Drawing No.: RP105 Rev.:
Scale: 1"=20'
Page No. 115 of 279

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A B C D E

4 3 2 1

N

Waiwai Loop

6–5"Ø PVC Conduits (Positive)

8–5"Ø PVC Conduits (Positive)

12–5"Ø PVC Conduits (Positive)

2–5"Ø PVC Conduits (Comm)

2–4"Ø Stub–Outs for HECO (Note 6)

MHP

MHP

MHP

WB Track

EB Track

1211

1212

1213

1214

1215

1216

4–2"Ø PVC Conduits (Negative Drainage)

6–5"Ø PVC Conduits (Negative)

6–5"Ø PVC Conduits Up to Column (Note 1)

3–5"Ø PVC Conduits Up to Column (Note 1)

6–5"Ø PVC Conduits Up to Column (Note 1)

E 1674400

E 1674600

N 60300

N 60100

NOTES:

1. See Directive Drawing TD002 for typical conduit stub–up detail at columns.
2. See Directive Drawing TD003 for typical manhole/pullbox details.
3. See Directive Drawing TD004 for typical underground duct bank sections and details.
4. See Directive Drawing TD005 for substation cable trench details.
5. See Directive Drawing TD050 for TPSS Ground Grid requirements.
6. See Electrical and Communications Utility Relocation Plans for HECO underground duct bank requirements.

20' 0 20'

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AIRPORT GUIDEWAY & UTILITIES

SYSTEMS SITE PLAN SITE # 28

Contract No.: SV–430
CADD File: AP–B10–RP106
Drawing No.: RP106 Rev.
Scale: 1"=20'
Page No. 116 of 279

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Kalihi Stream

Outline of Middle Street Transit Center Station (NIC)

Kamehameha Highway

WB Track

EB Track

Dillingham Boulevard

1266

1267

1268

1269

1270

1271

MHN

MHP

8–5"ø PVC Conduits (Positive)

4–5"ø PVC Conduits Up to Column (Note 1)

6–5"ø PVC Conduits (Negative)

6–5"ø PVC Conduits Up to Column (Note 1)

3–5"ø PVC Conduits Up to Column (Note 1)

6–5"ø PVC Conduits Up to Column (Note 1)

12–4"ø PVC Conduits, four with innerducts for Comm

6–5"ø PVC Conduits (Negative)

12–5"ø PVC Conduits (Positive)

To be extended by others (Note 4)

Middle Street Transit Center Station Ancillary Building (NIC)

Train Control/ Comm Manhoole (NIC)

TCCR

MECH

UPS/ ELEC

Wall (NIC)

Foundation for Middle Street TPSS (NIC)

N

STOP

20' 0 20'

NOTES:

1. See Directive Drawing TD002 for typical conduit stub–up details at columns.
2. See Directive Drawing TD003 for typical manhole/pullbox details.
3. See Directive Drawing TD004 for typical underground duct bank sections and details.
4. Coordinate with Station Contractor for proper interface.

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AIRPORT GUIDEWAY & UTILITIES

SYSTEMS SITE PLAN SITE # 19

Contract No.: SV–430
CADD File: AP–B10–RP108
Drawing No.: RP108 Rev.
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Page No. 117 of 279

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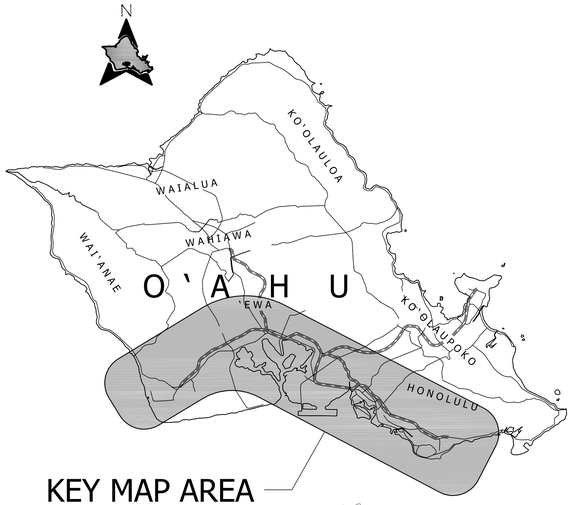
AIRPORT GUIDEWAY & UTILITIES

VOLUME 2 - UTILITIES



City and County of Honolulu
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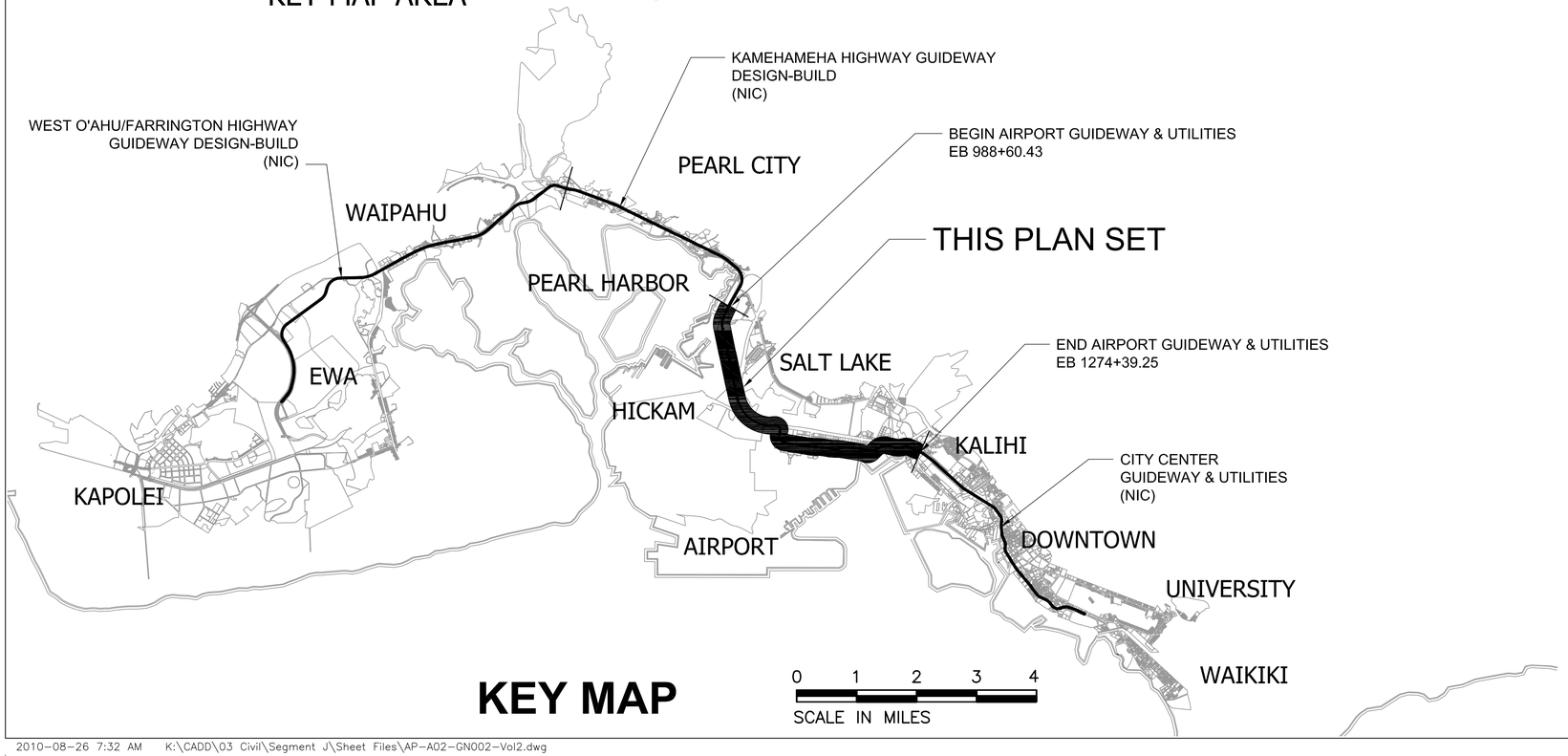
Rapid Transit Division



KEY MAP

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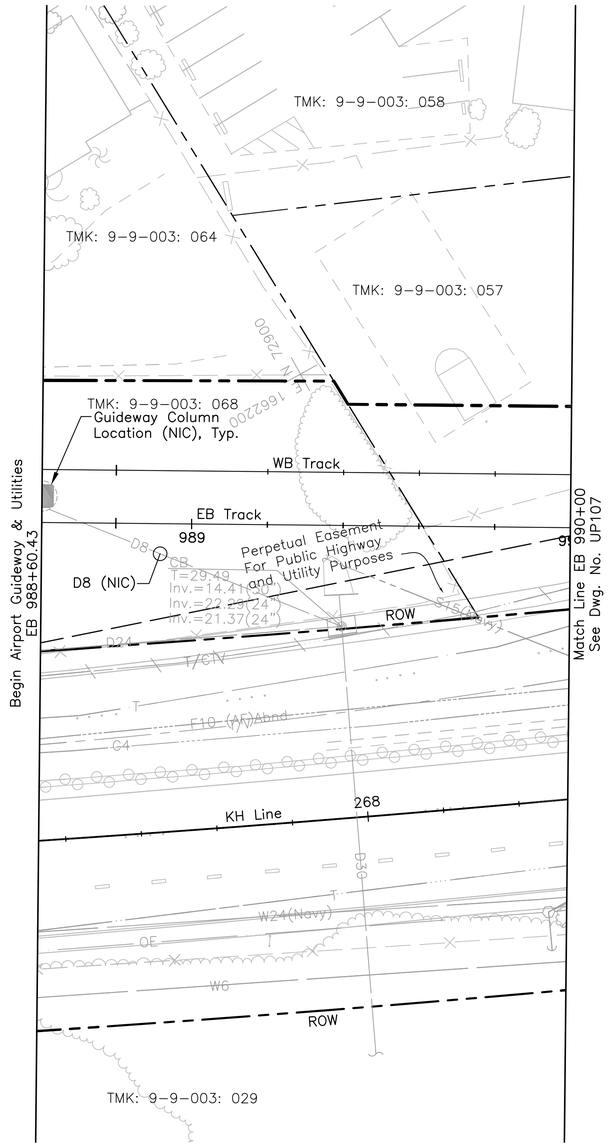

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CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

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Subconsultant: R. M. TOWILL CORPORATION
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 988+60.43 TO EB 990+00

Contract No.: SV-430
CADD File: AP-D03-UP106
Drawing No.: UP106 Rev.
Scale: 1"=20'
Page No. 62 of 222

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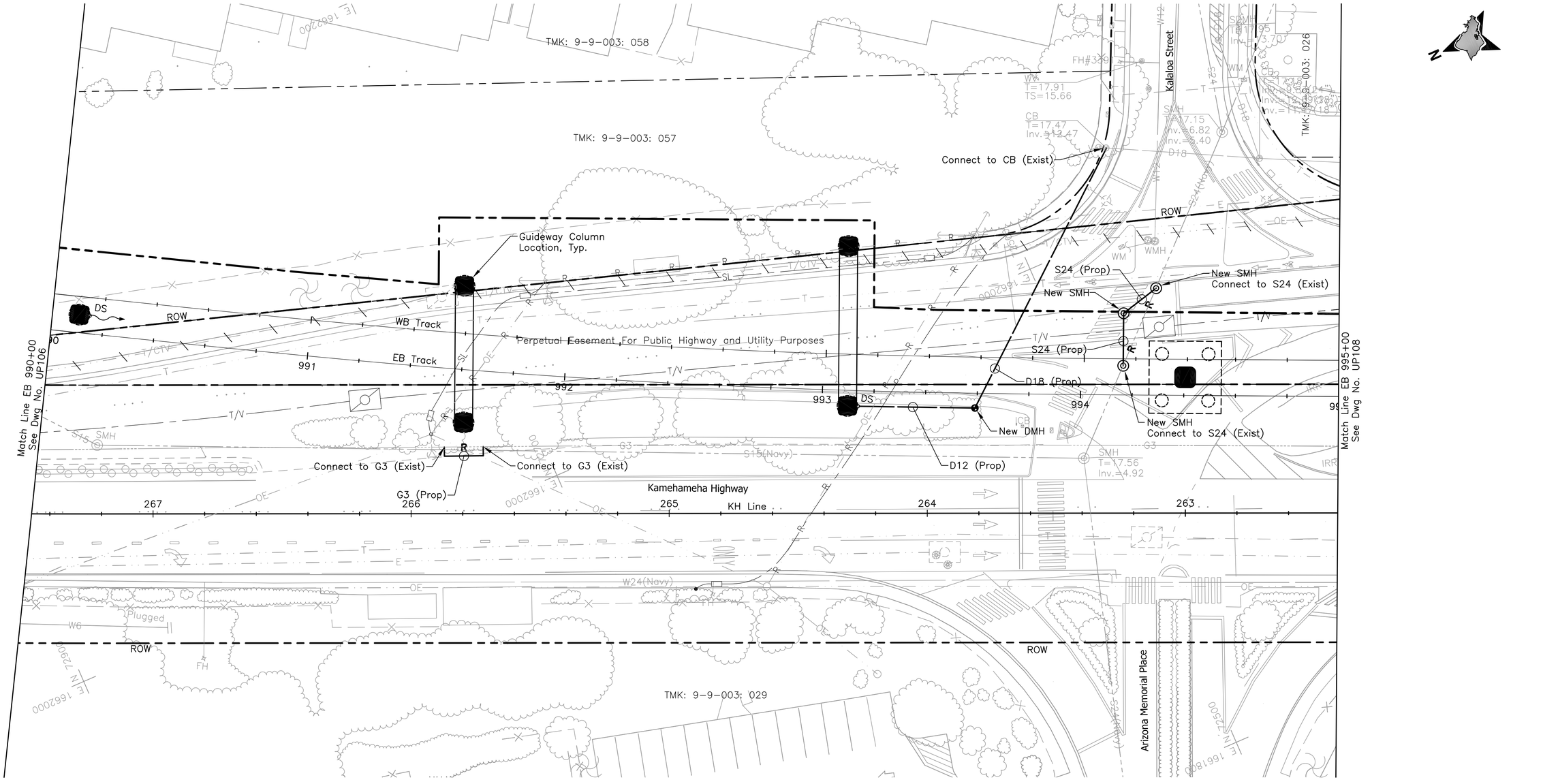

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 990+00 TO EB 995+00

Contract No.: SV-430
CADD File: AP-D03-UP107
Drawing No: UP107 Rev.
Scale: 1"=20'
Page No. 63 of 222

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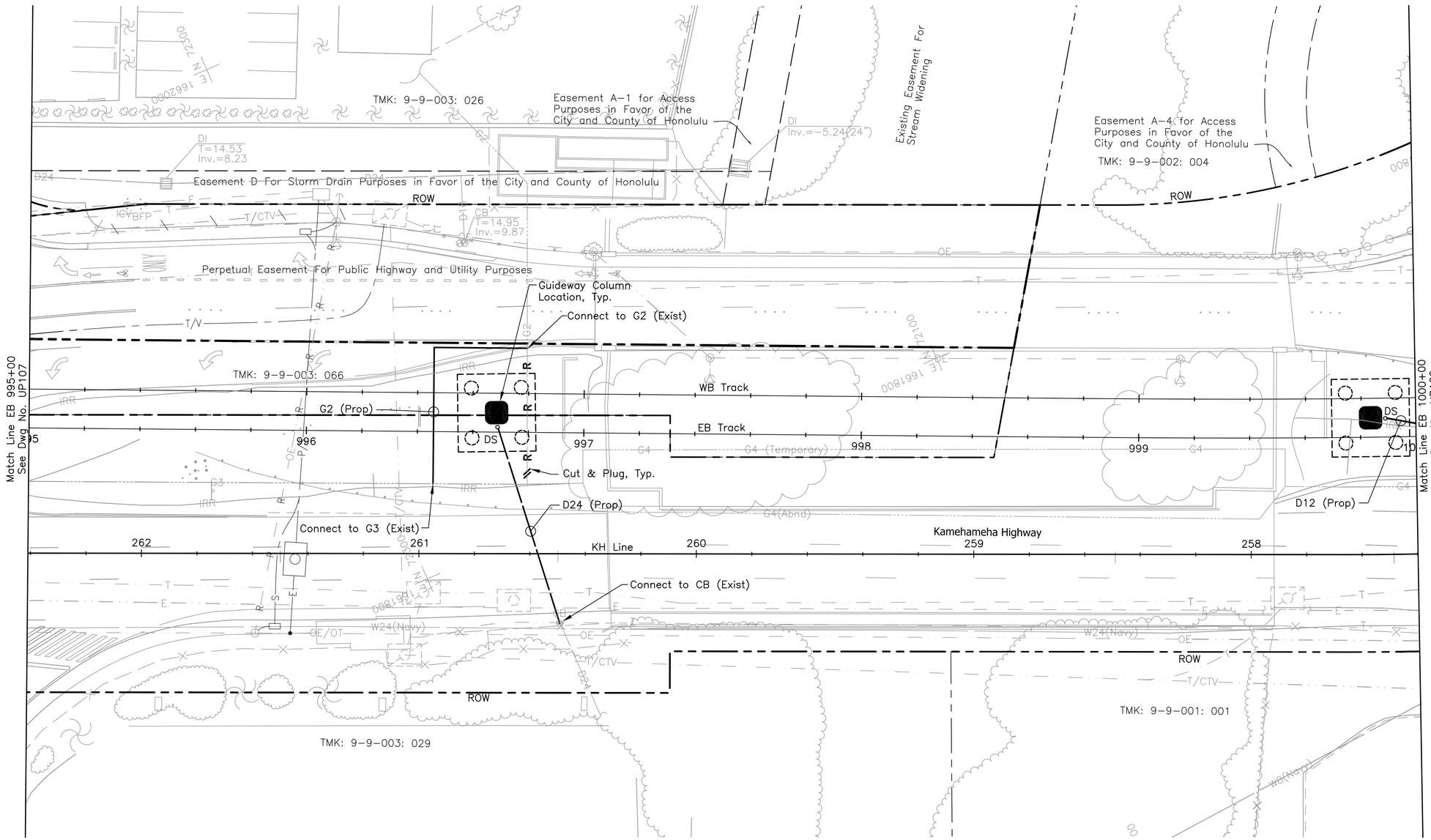

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 995+00 TO EB 1000+00

Contract No.: SV-430
CADD File: AP-D03-UP108
Drawing No.: UP108 Rev.
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Page No. 64 of 222

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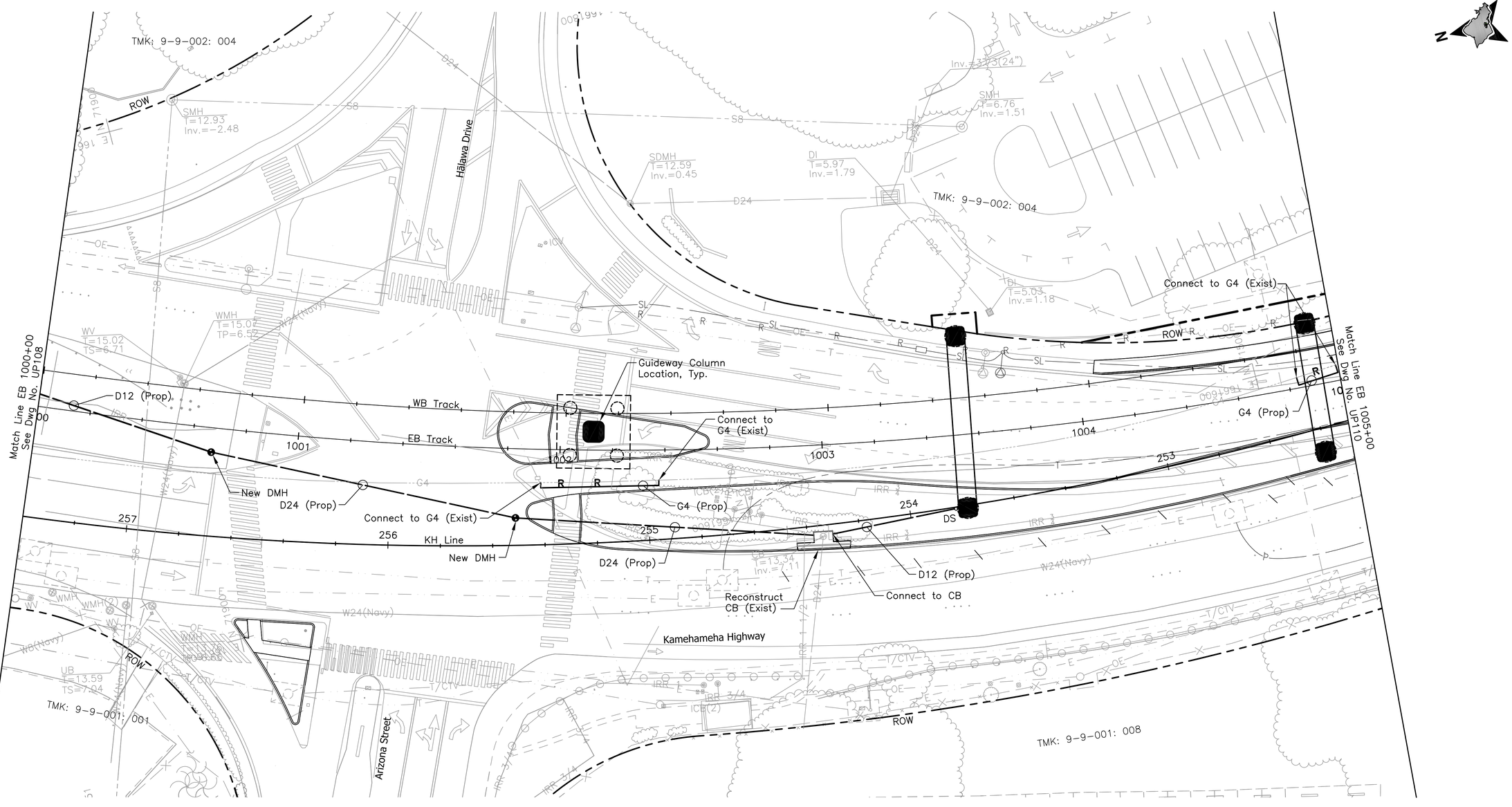

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1003 Bishop Street, Suite 2250 – Honolulu, HI 96813

Subconsultant: R. M. TOWILL CORPORATION
Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1000+00 TO EB 1005+00

Contract No.: SV-430
CADD File: AP-D03-UP109
Drawing No.: UP109 Rev.:
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Page No. 65 of 222

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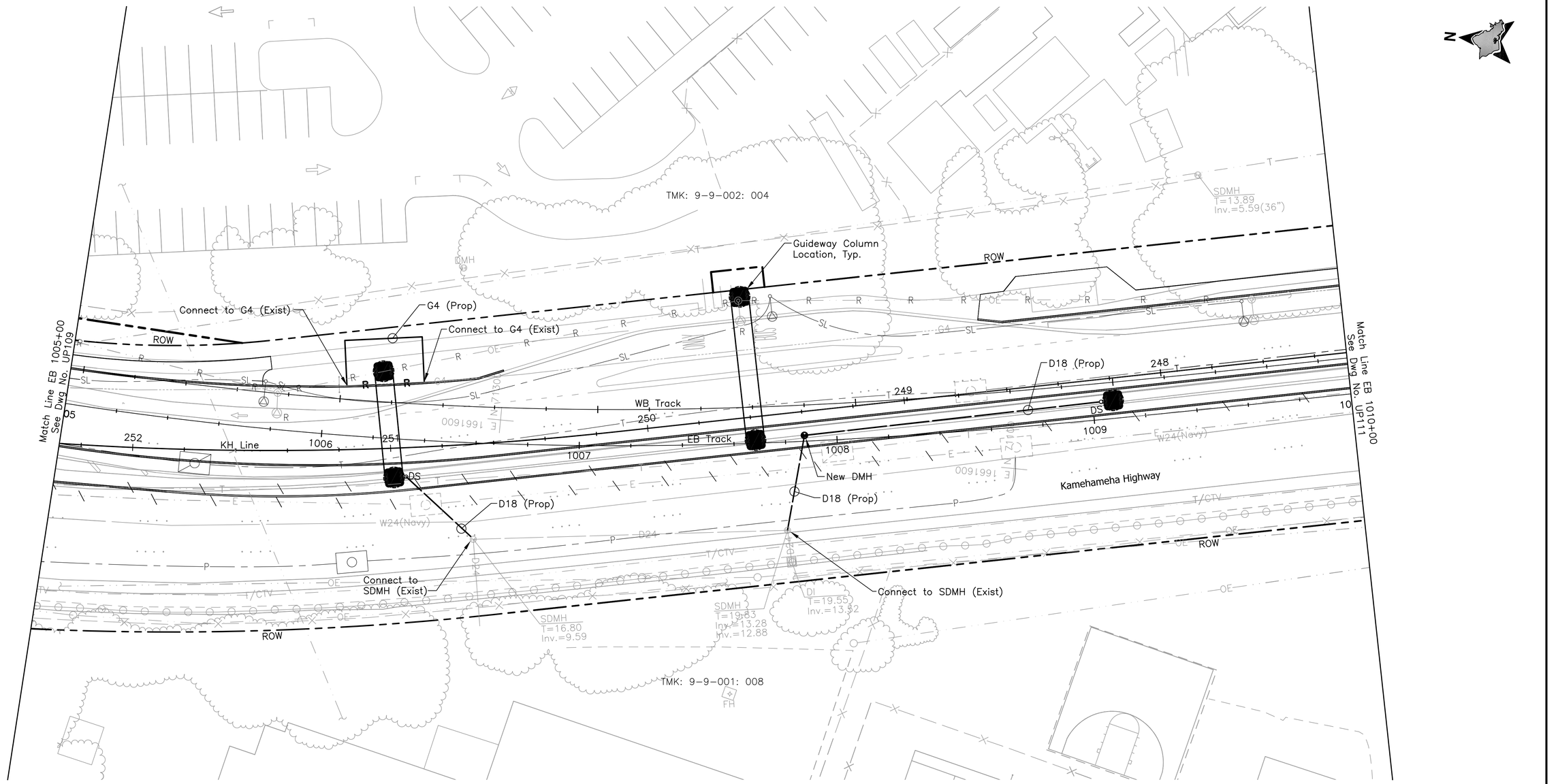

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1005+00 TO EB 1010+00

Contract No.: SV-430
CADD File: AP-D03-UP110
Drawing No.: UP110 Rev.:
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Page No.: 66 of 222

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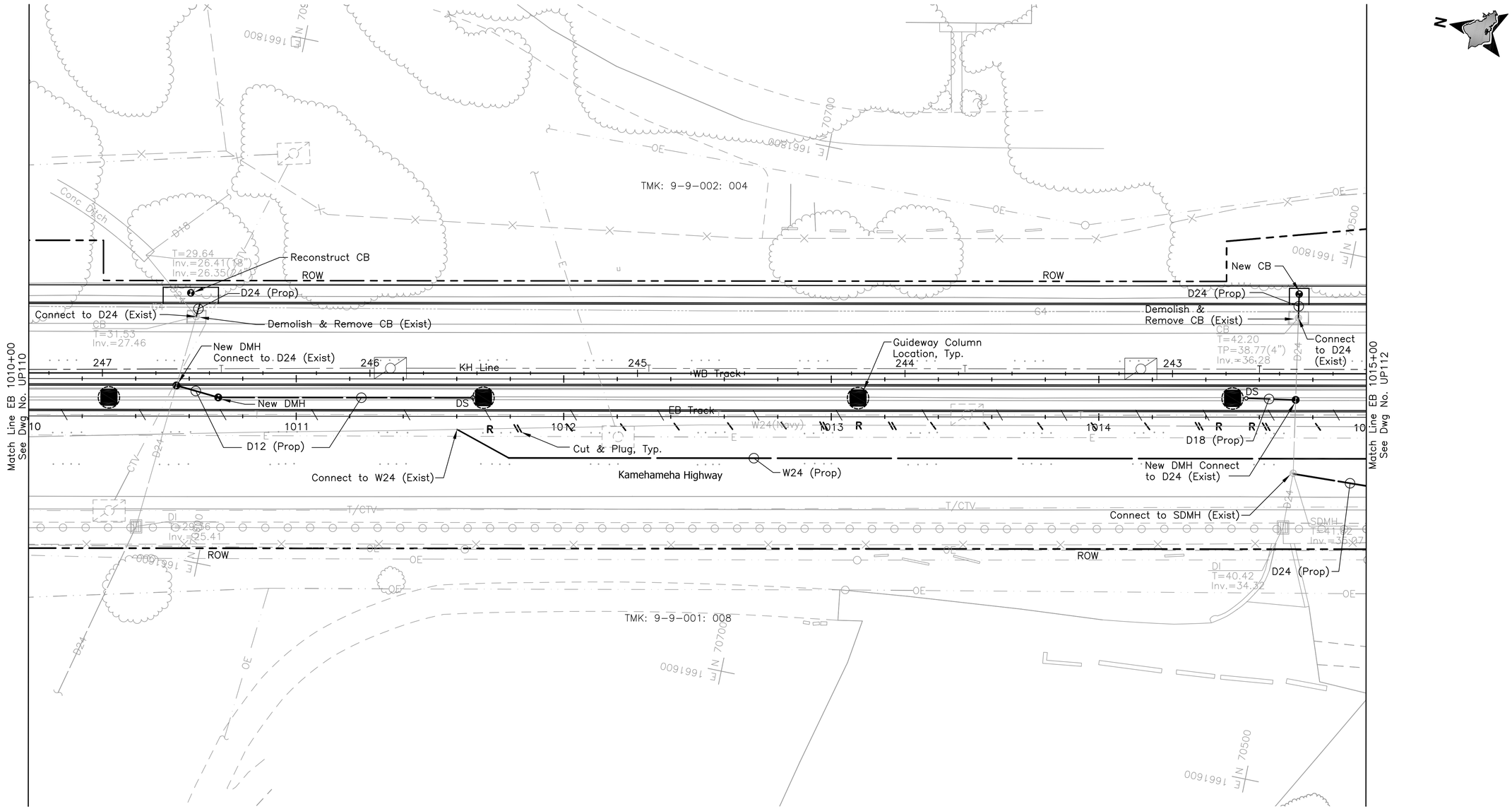

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1010+00 TO EB 1015+00

Contract No.: SV-430
CADD File: AP-D03-UP111
Drawing No.: UP111 Rev.
Scale: 1"=20'
Page No. 67 of 222

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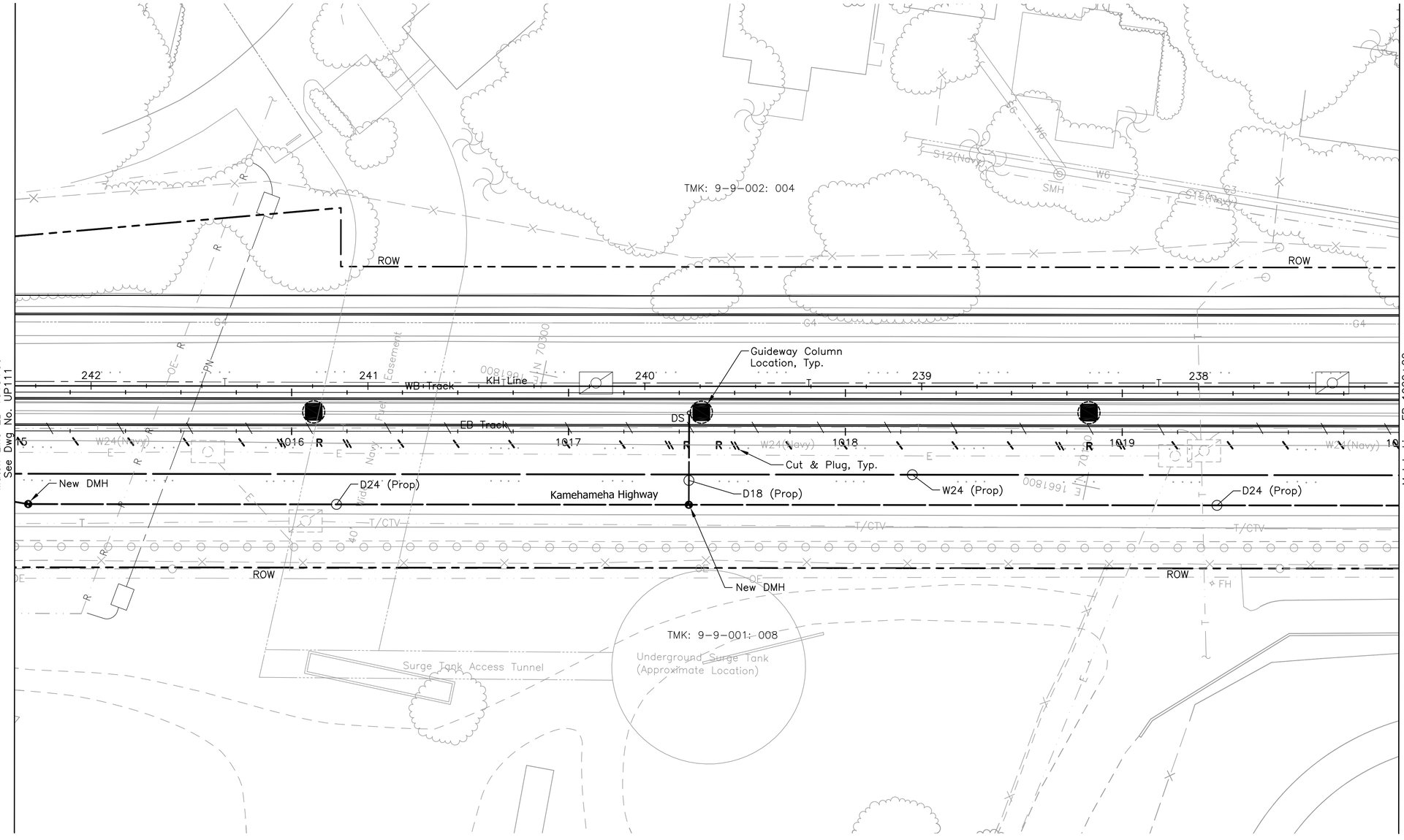

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1015+00 TO EB 1020+00

Contract No.: SV-430
CADD File: AP-D03-UP112
Drawing No: UP112 Rev.
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Page No. 68 of 222

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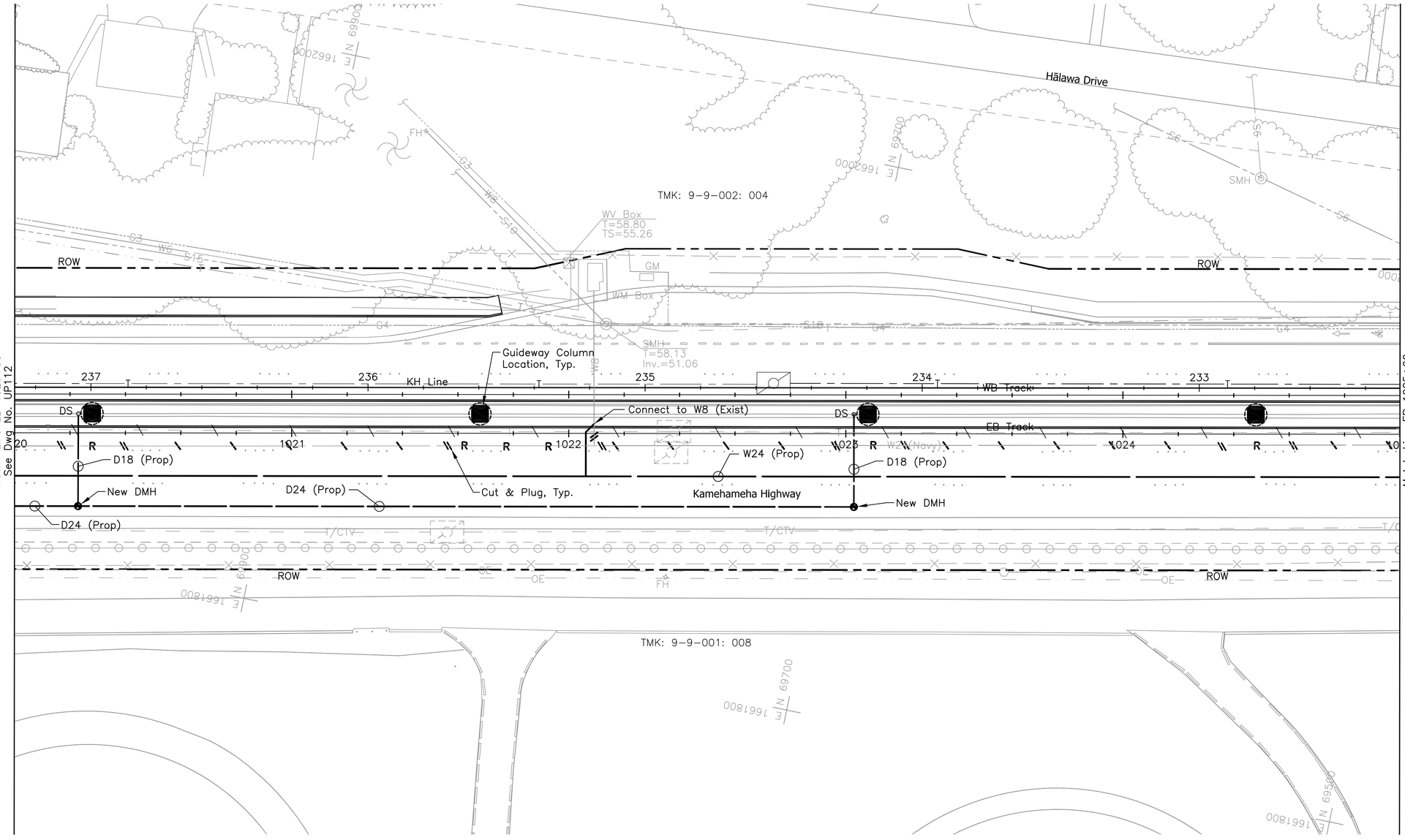

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1020+00 TO EB 1025+00

Contract No.: SV-430
CADD File: AP-D03-UP113
Drawing No: UP113 Rev.
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Page No. 69 of 222

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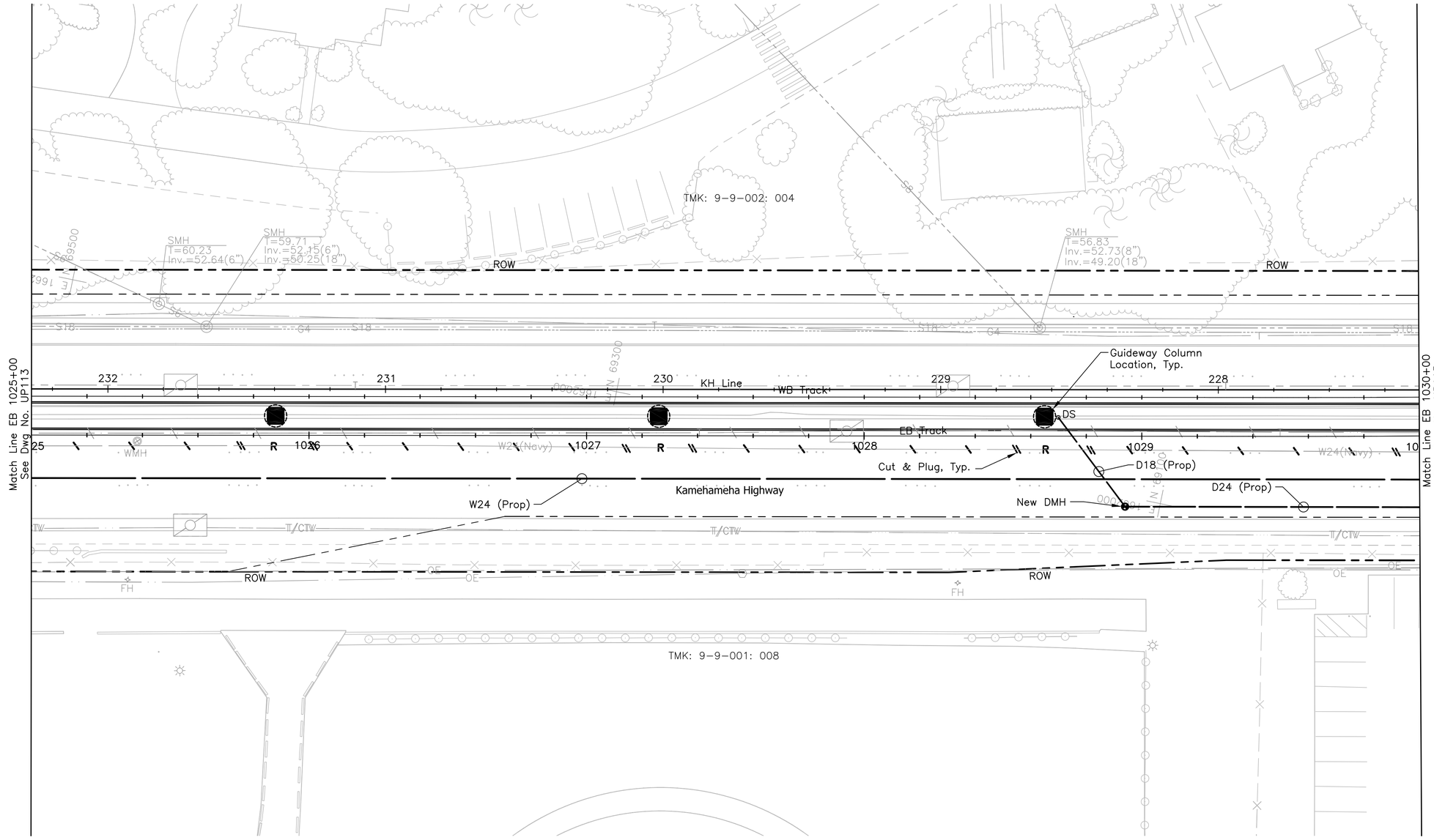

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1025+00 TO EB 1030+00

Contract No.:	SV-430
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Page No.	70 of 222

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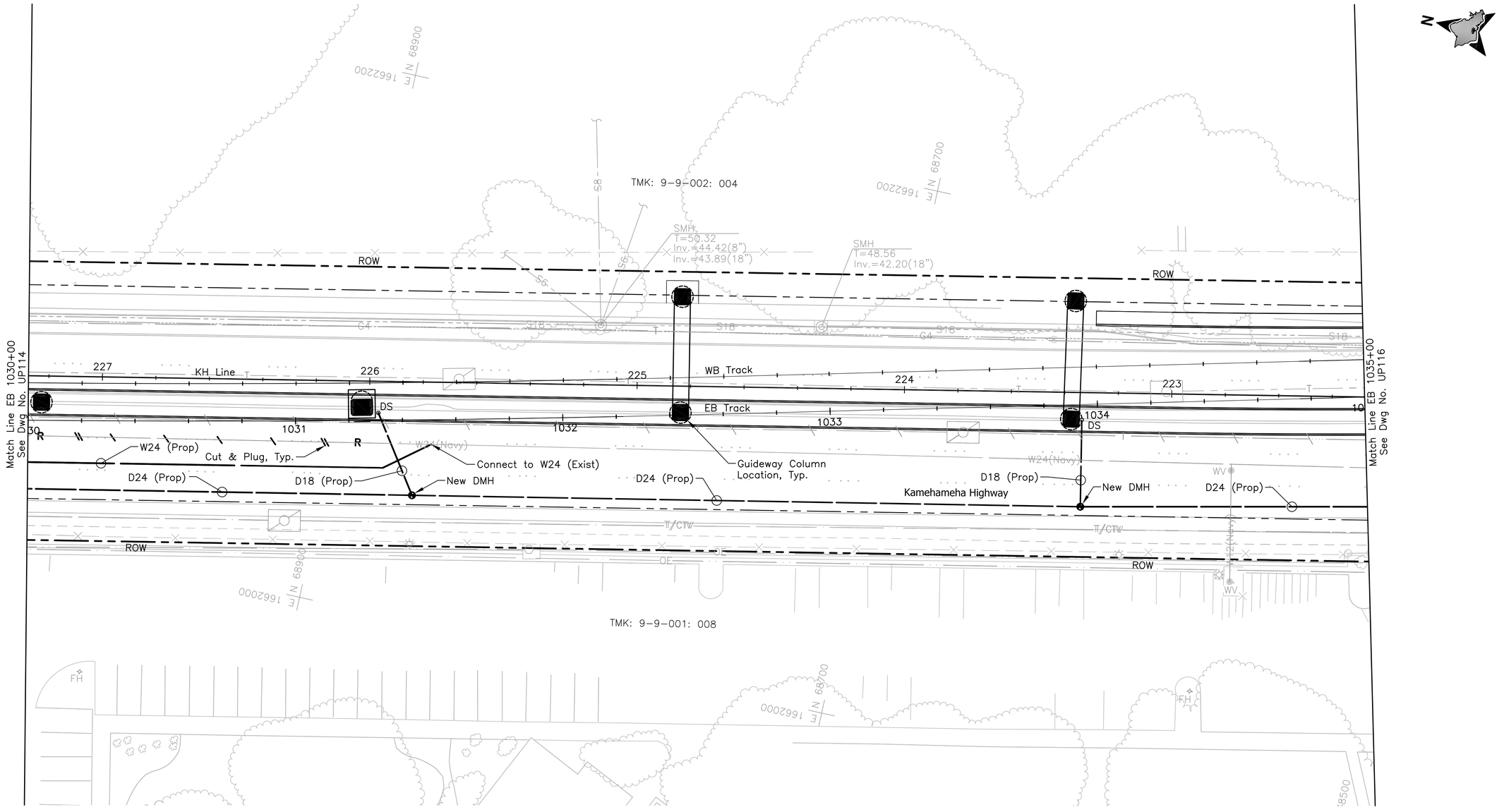

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CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

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

Subconsultant: R. M. TOWILL CORPORATION
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1030+00 TO EB 1035+00

Contract No.: SV-430
CADD File: AP-D03-UP115
Drawing No: UP115 Rev.
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Page No. 71 of 222

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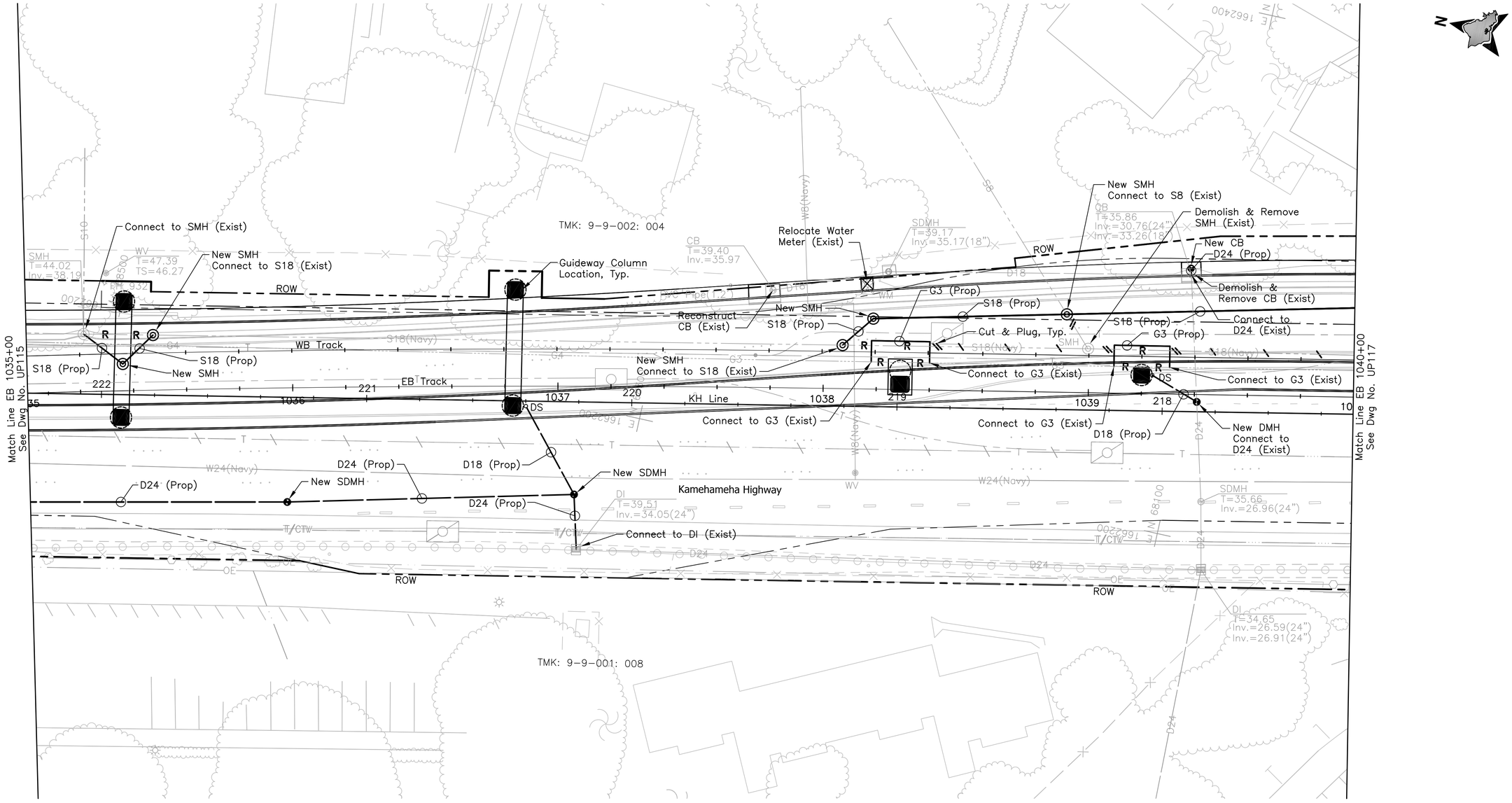

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: G Tom
Drawn: D Lee
Checked: H Andrews
Approved: J Yamamoto
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1035+00 TO EB 1040+00

Contract No.: SV-430
CADD File: AP-D03-UP116
Drawing No: UP116 Rev.
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Page No. 72 of 222

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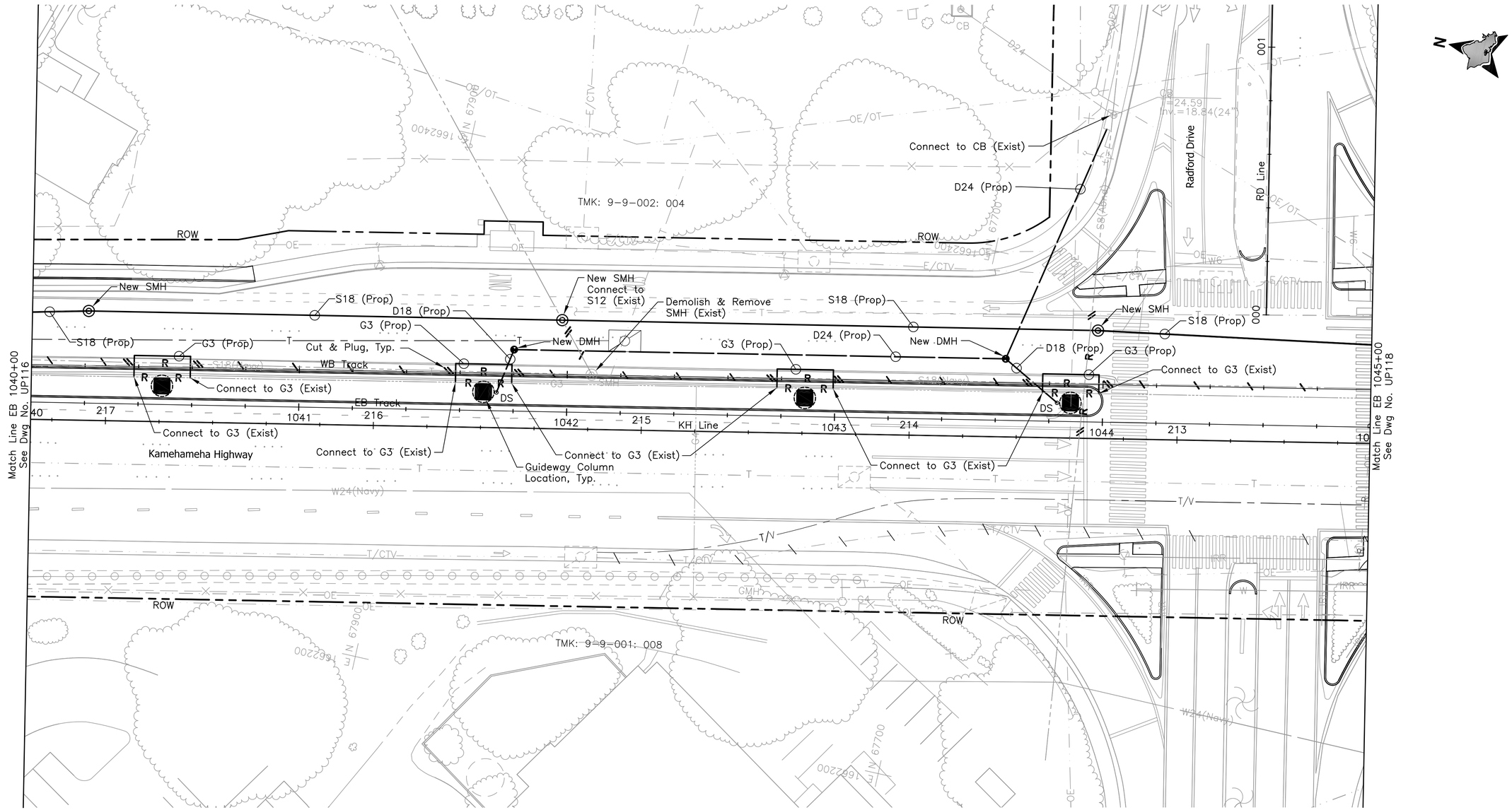

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: G Tom
Drawn: N Chan
Checked: J Yamamoto
Approved: G Takahashi
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1040+00 TO EB 1045+00

Contract No.: SV-430
CADD File: AP-D03-UP117
Drawing No: UP117 Rev.
Scale: 1"=20'
Page No. 73 of 222

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Connect to W6 & G1½ (Exist)
Systems Site #25
New SMH Connect to S8 (Exist)
Connect to W6 (Exist)
S8 (Prop)
New SMH
W6 (Prop)
Connect to W6 (Exist)
W6 & G1½ (Prop)
TMK: 9-9-002: 004
Connect to W6 & G1½ (Exist)
Existing Precast Air Rold Shelter
ROW
Easement 131 (For Electrical Purposes)
Connect to CB (Exist)
D24 (Prop)
S8 (Prop)
W6 (Prop)
Connect to W6 (Exist)
Connect to W30 (Exist)
Connect to DI (Exist)
Demolish & Remove SMH (Exist)
D24 (Prop)
S18 (Prop)
New SMH
S18 (Prop)
G3 (Prop)
G3 (Prop)
G3 (Prop)
G3 (Prop)
Cut & Plug, Typ.
WB Track
EB Track
KH Line
Connect to G3 (Exist)
Pearl Harbor Naval Base Station (NIC)
Connect to G3 (Exist)
Connect to G3 (Exist)
Connect to G3 (Exist)
Connect to G3 (Exist)
Connect to G3 (Exist)
Connect to G3 (Exist)
Connect to G3 (Exist)
Connect to G3 (Exist)
Guideway Column Location, Typ.
Kamehameha Highway
W30 (Prop)
Connect to W30 (Exist)
Connect to W30 (Exist)
TMK: 9-9-001: 008
TMK: 9-9-001: 008
ROW
ROW
Match Line EB 1045+00 See Dwg No. UP117
Match Line EB 1050+00 See Dwg No. UP119
20' 0 20'

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1045+00 TO EB 1050+00

Contract No.: SV-430
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Drawing No: UP118 Rev.
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Page No. 74 of 222

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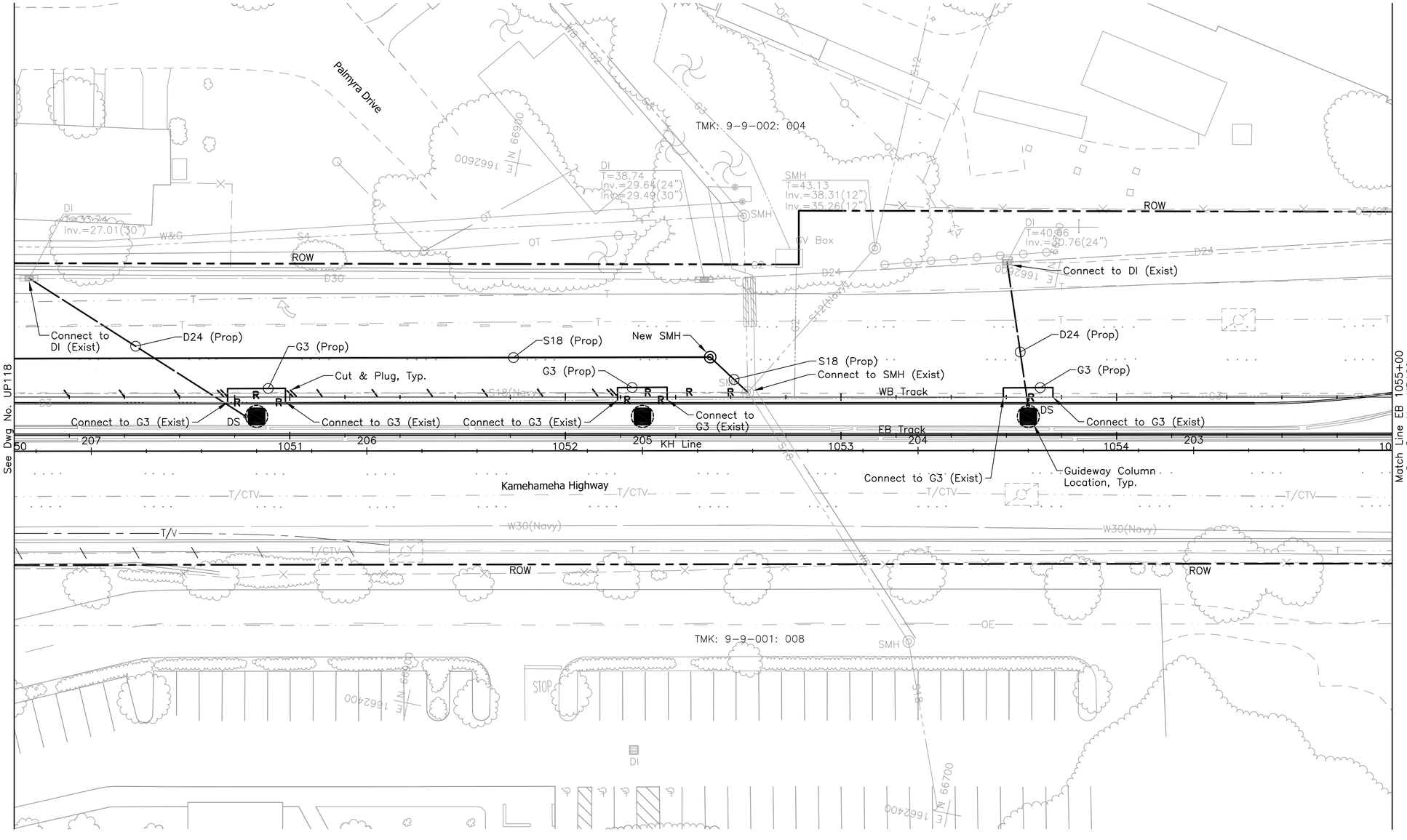

20' 0 20'

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1050+00 TO EB 1055+00

Contract No.: SV-430
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Drawing No: UP119 Rev.
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Page No. 75 of 222

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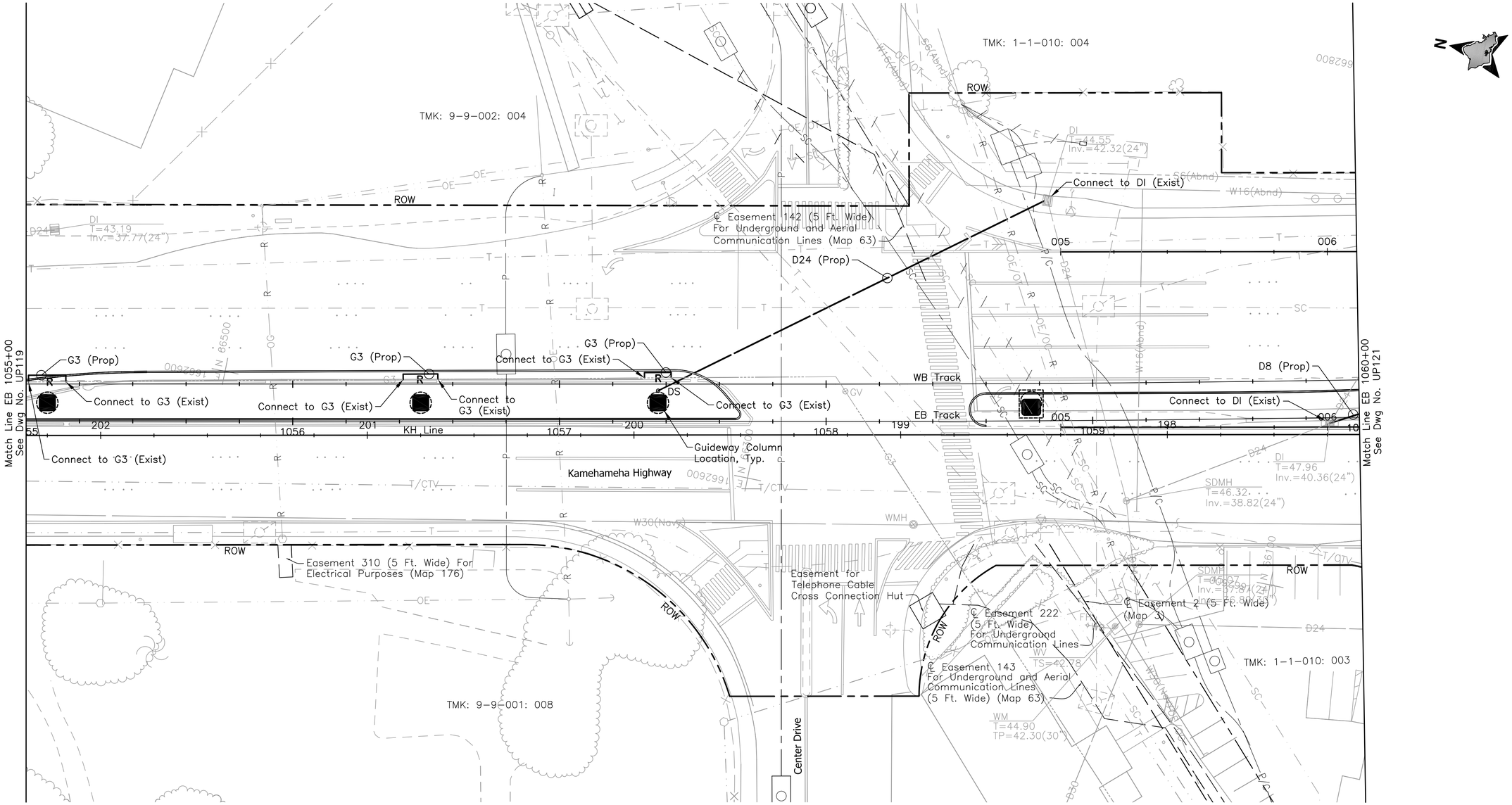

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1055+00 TO EB 1060+00

Contract No.: SV-430
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Page No. 76 of 222

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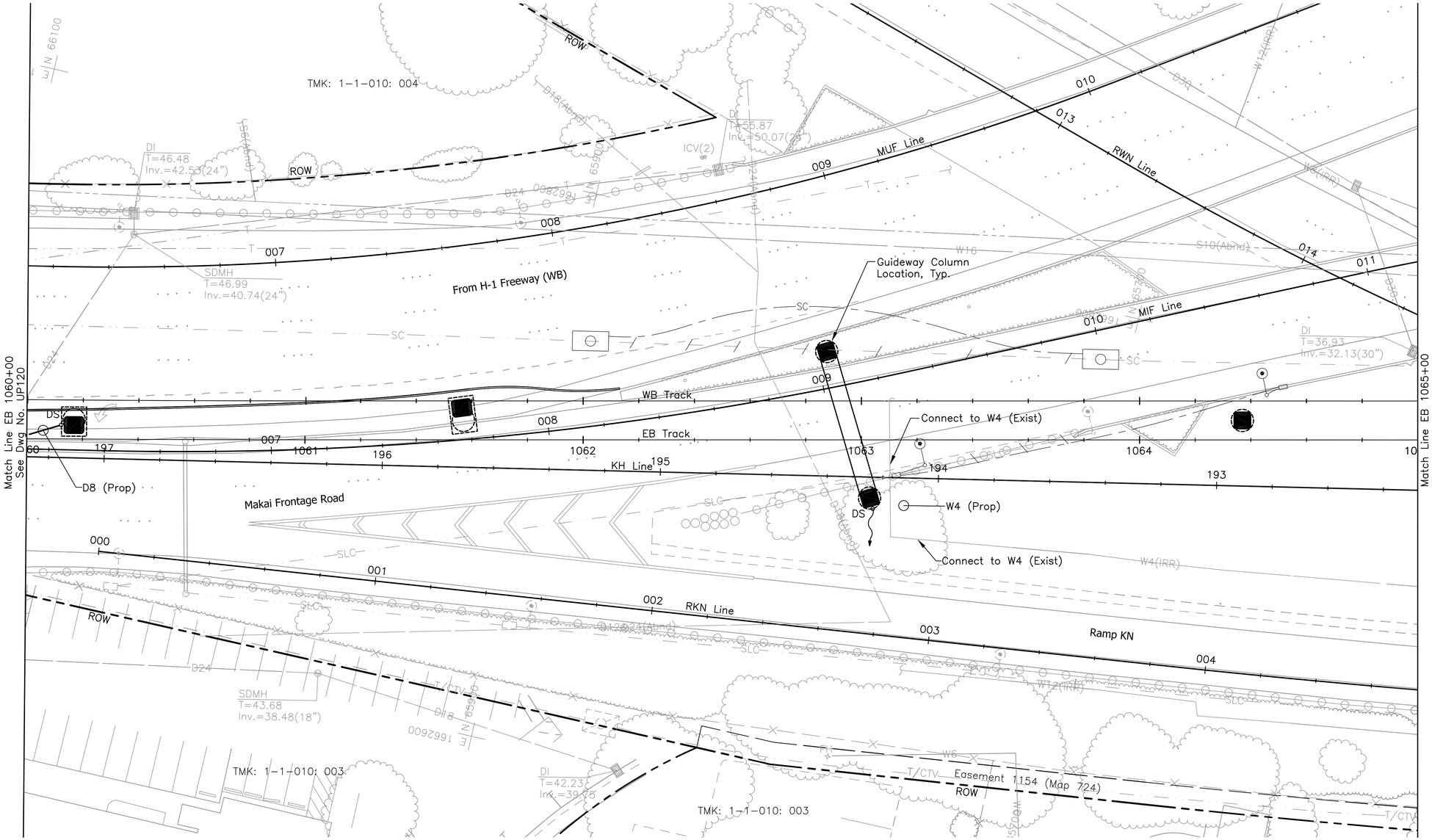

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1060+00 TO EB 1065+00

Contract No.: SV-430
CADD File: AP-D03-UP121
Drawing No.: UP121 Rev.:
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Page No.: 77 of 222

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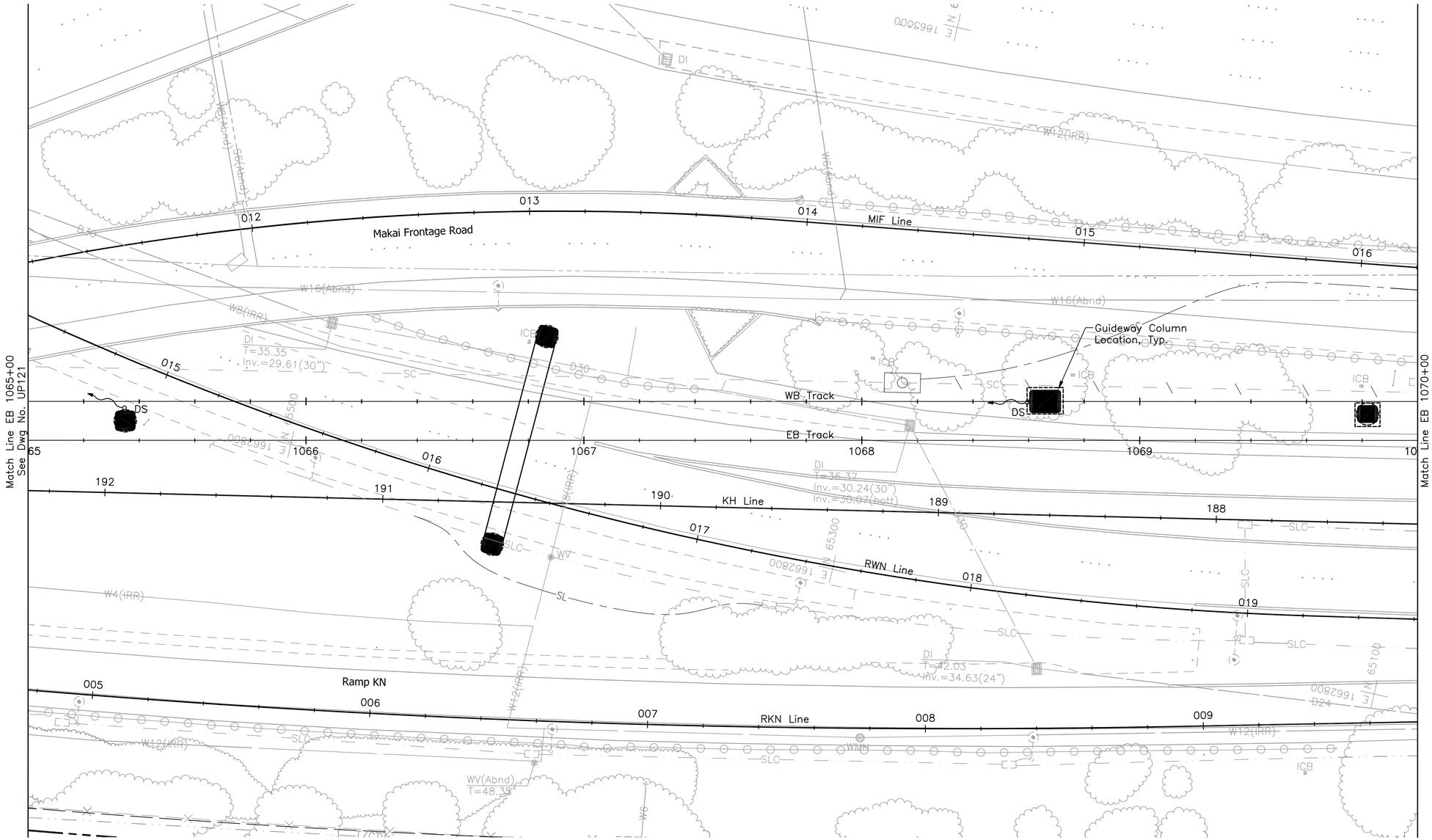

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1065+00 TO EB 1070+00

Contract No.: SV-430
CADD File: AP-D03-UP122
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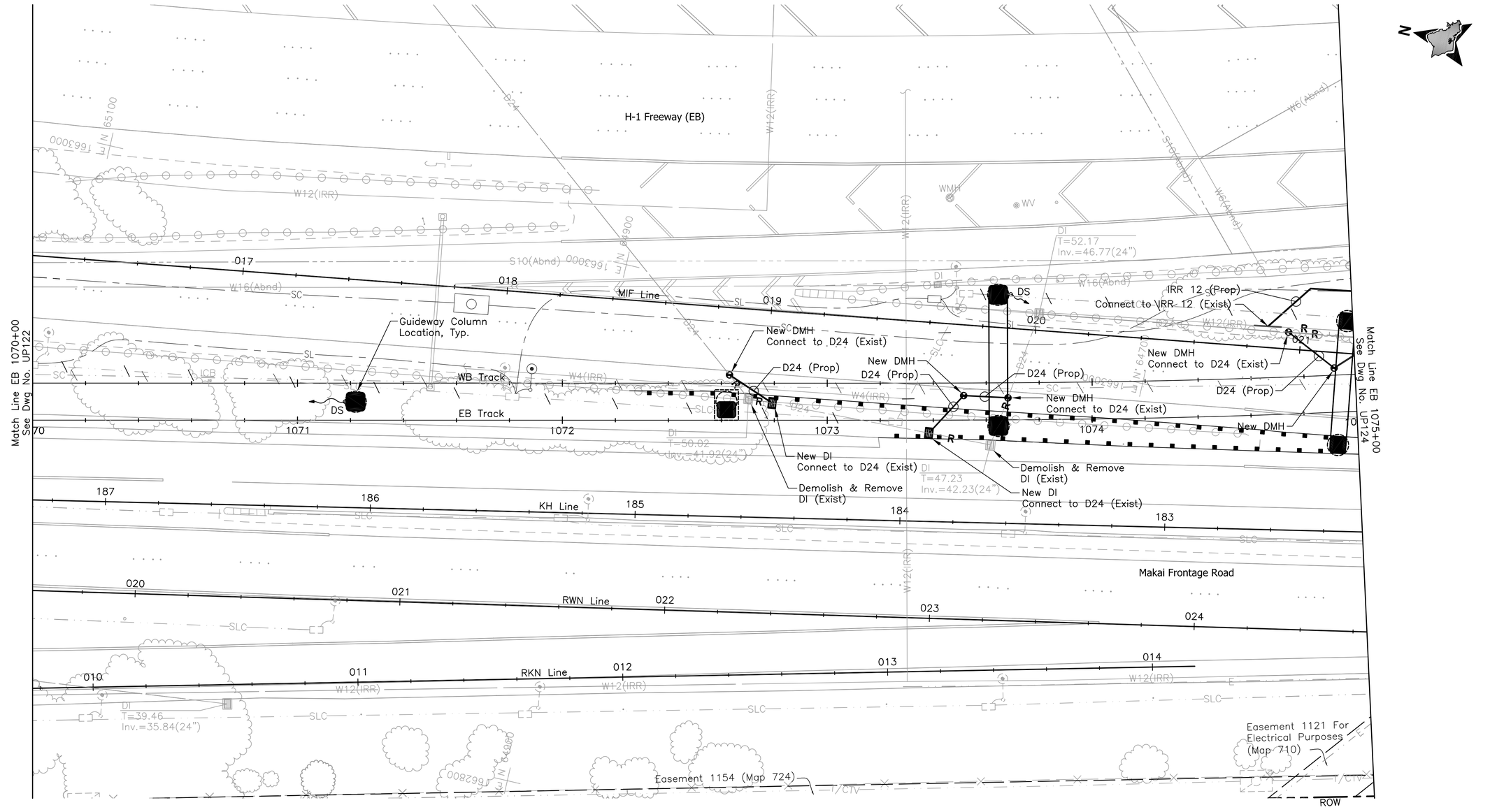

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1070+00 TO EB 1075+00

Contract No.: SV-430
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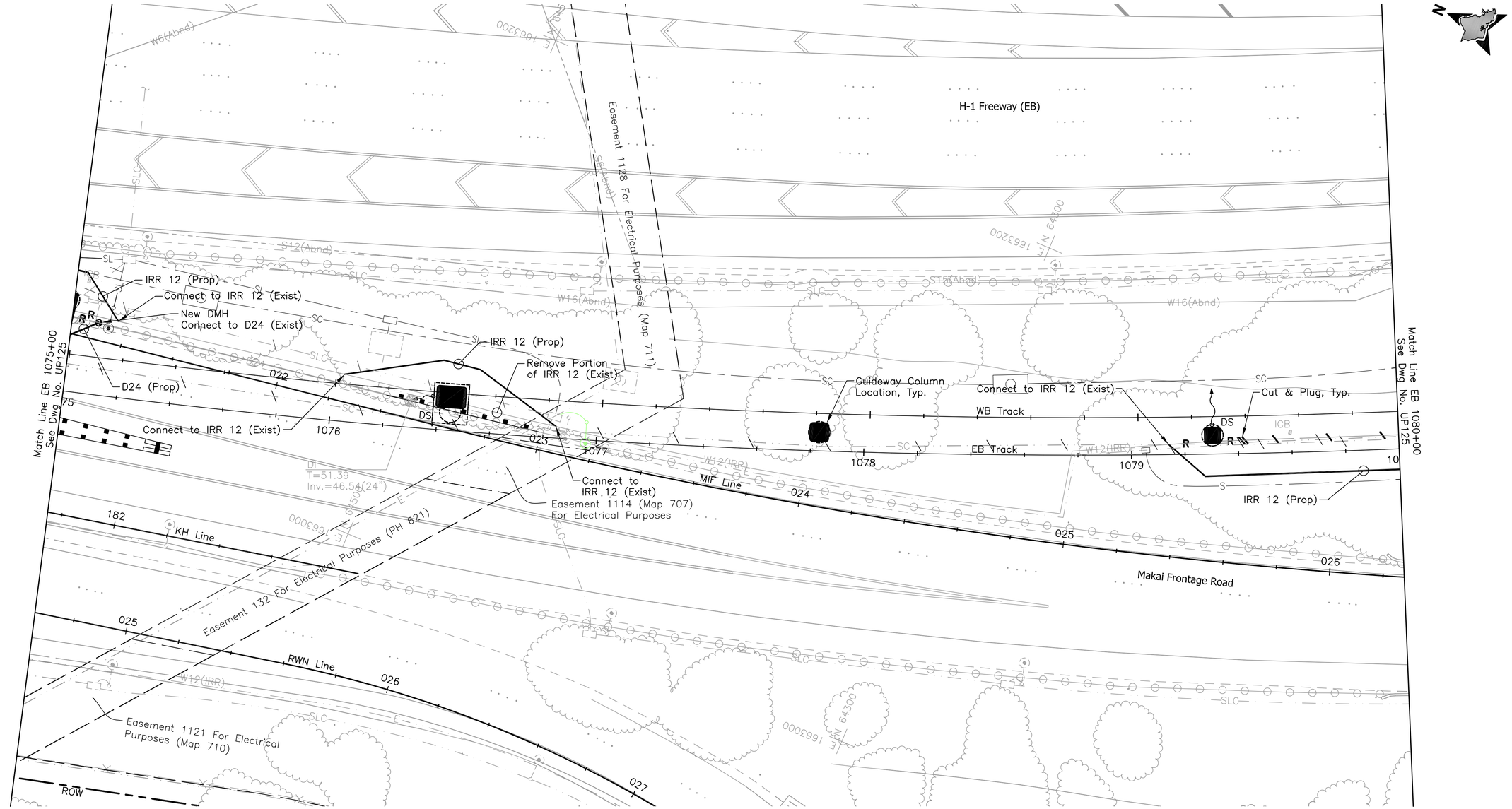

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1075+00 TO EB 1080+00

Contract No.: SV-430
CADD File: AP-D03-UP124
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Page No. 80 of 222

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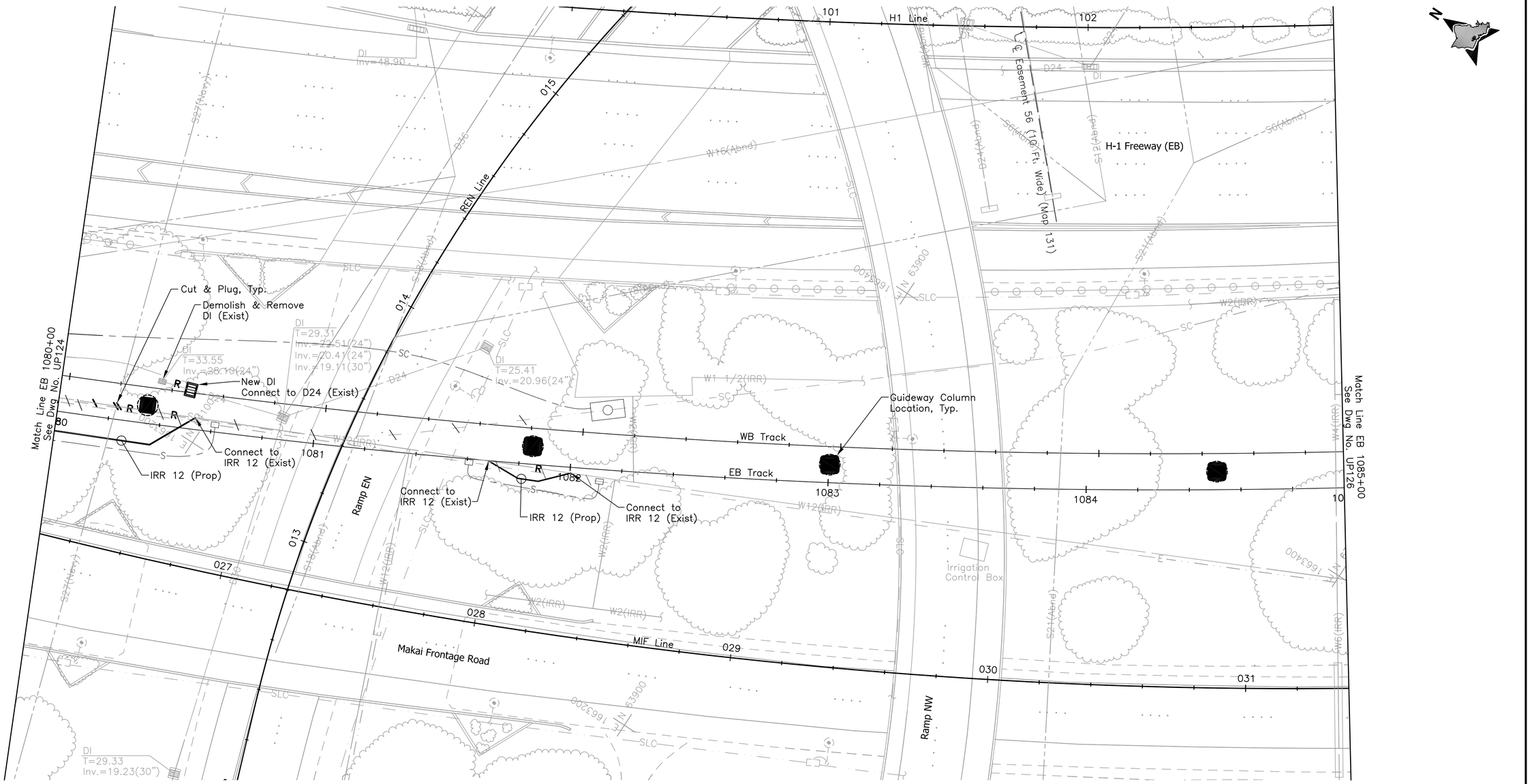

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1080+00 TO EB 1085+00

Contract No.: SV-430
CADD File: AP-D03-UP125
Drawing No.: UP125 Rev.
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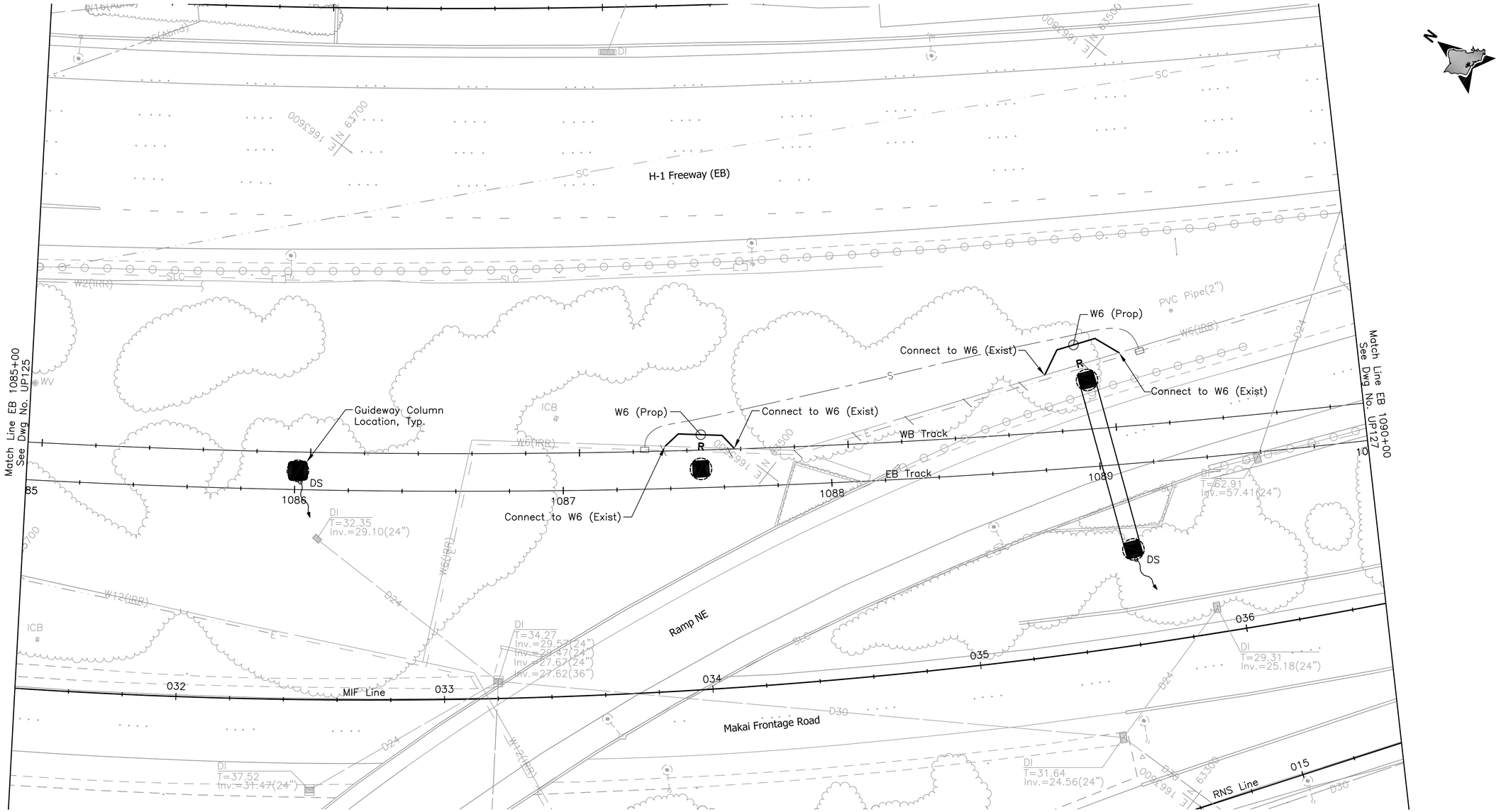

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1085+00 TO EB 1090+00

Contract No.: SV-430
CADD File: AP-D03-UP126
Drawing No.: UP126 Rev.:
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Page No.: 82 of 222

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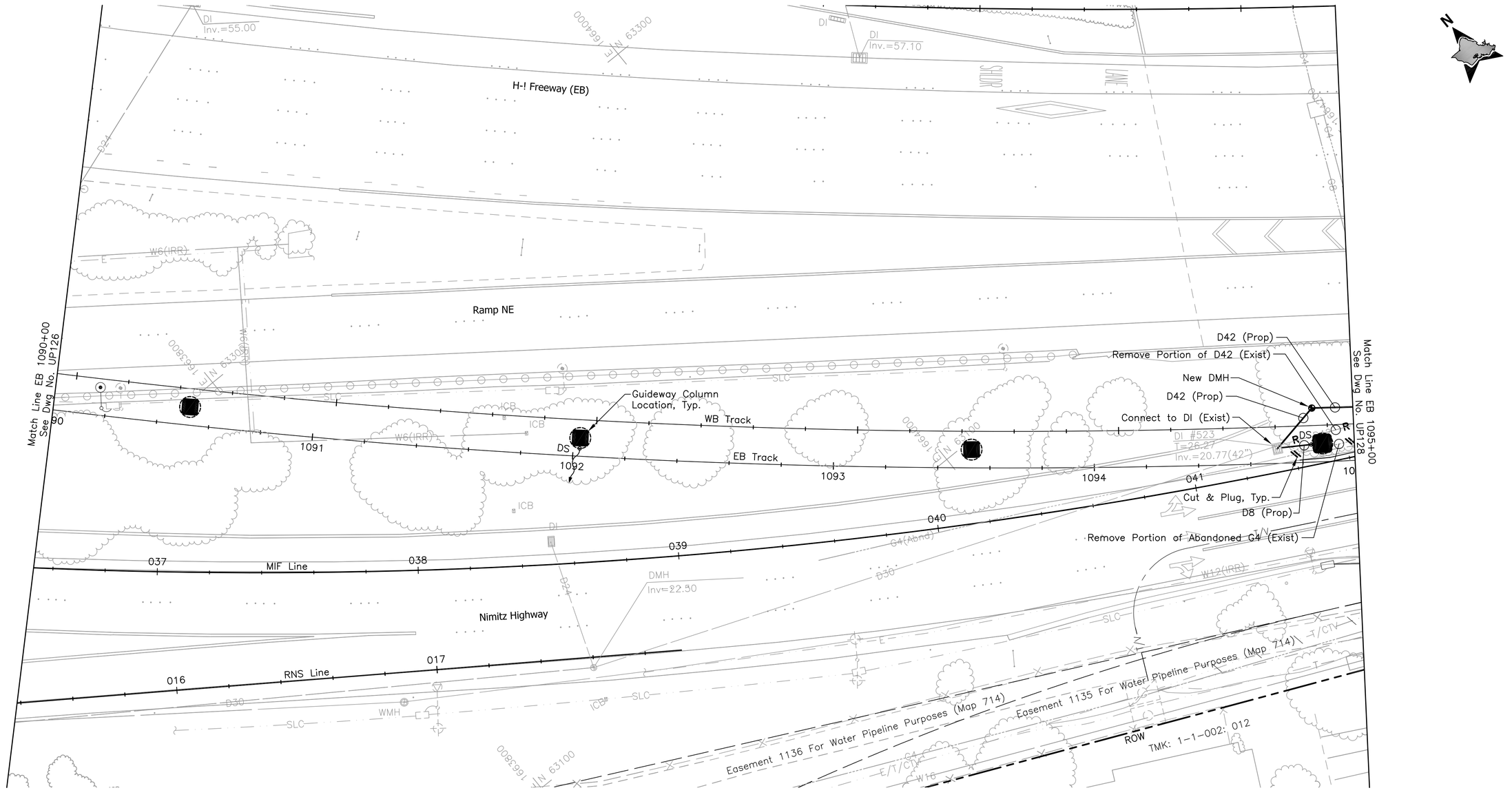

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1090+00 TO EB 1095+00

Contract No.: SV-430
CADD File: AP-D03-UP127
Drawing No: UP127 Rev.
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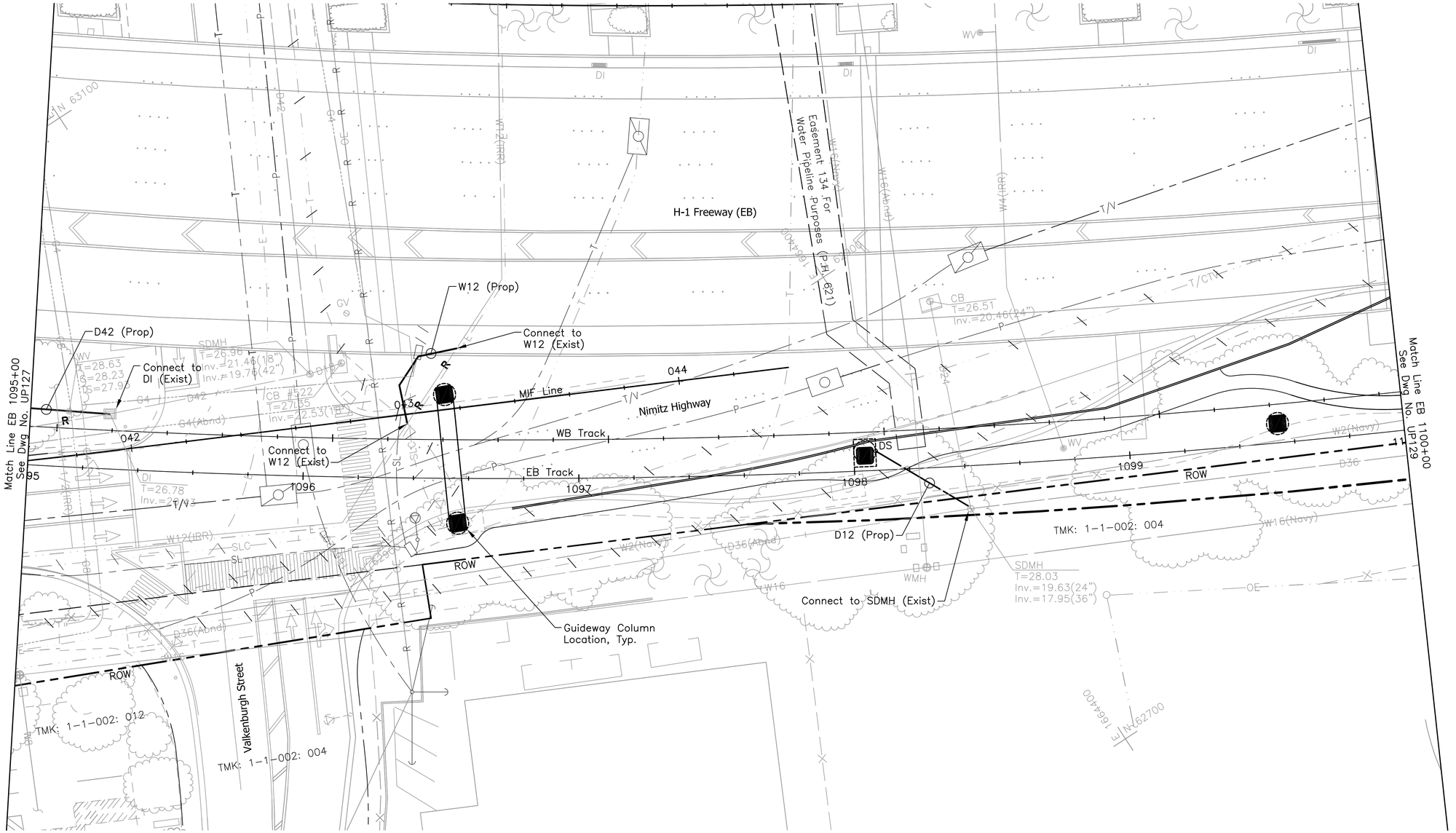

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1095+00 TO EB 1100+00

Contract No.: SV-430
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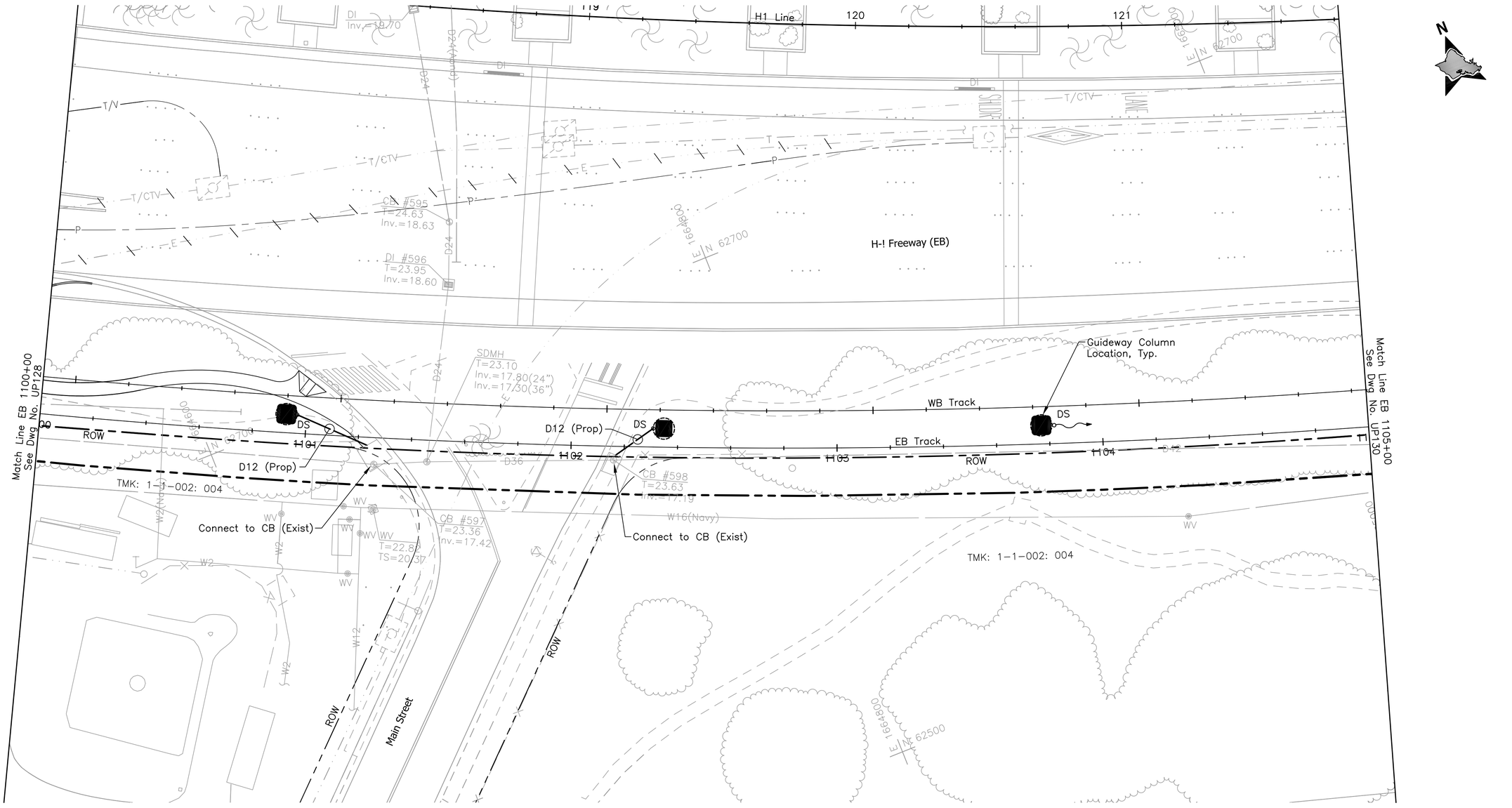

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1100+00 TO EB 1105+00

Contract No.: SV-430
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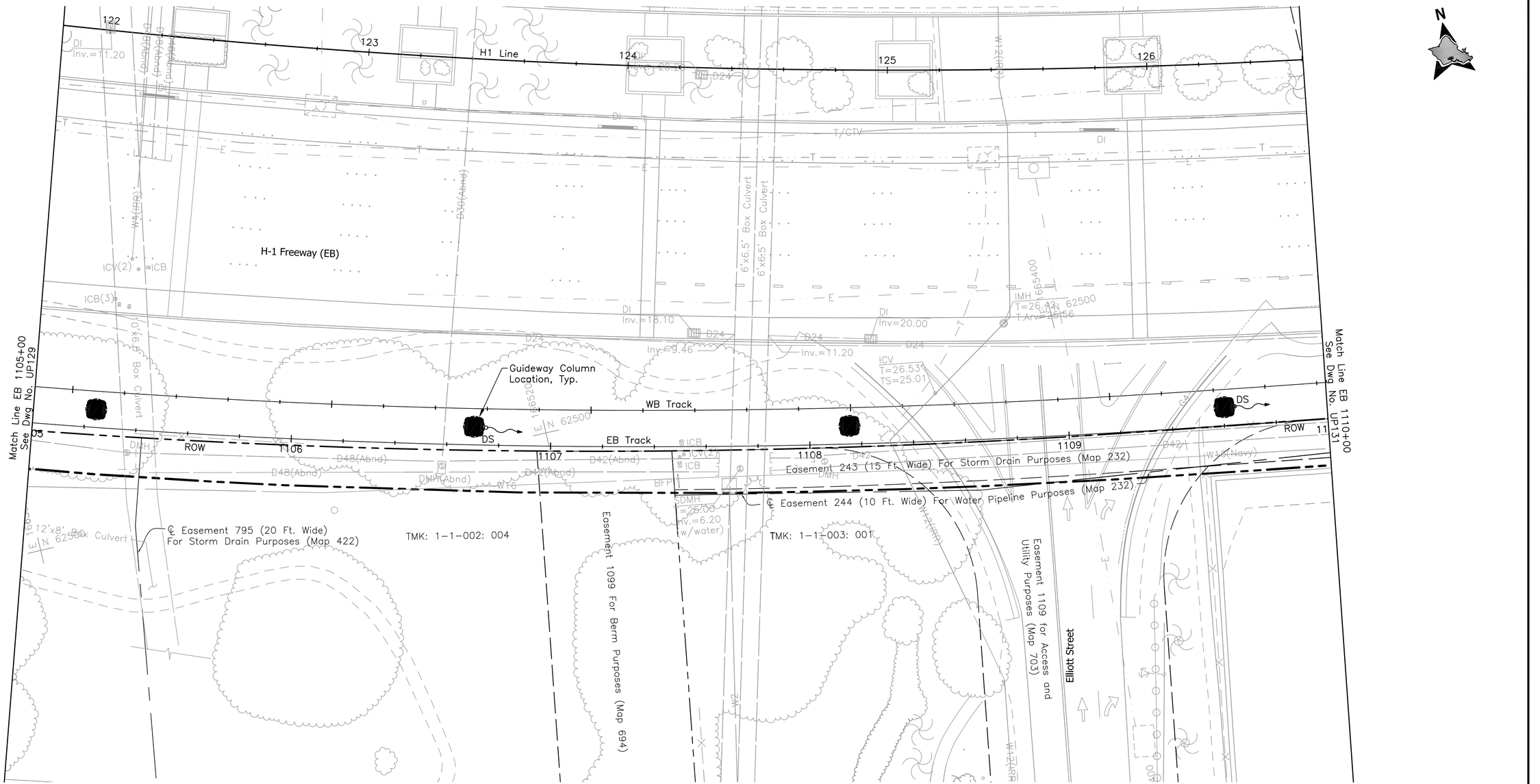

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CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

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

Subconsultant: R. M. TOWILL CORPORATION
Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1105+00 TO EB 1110+00

Contract No.: SV-430
CADD File: AP-D03-UP130
Drawing No.: UP130 Rev.
Scale: 1"=20'
Page No. 86 of 222

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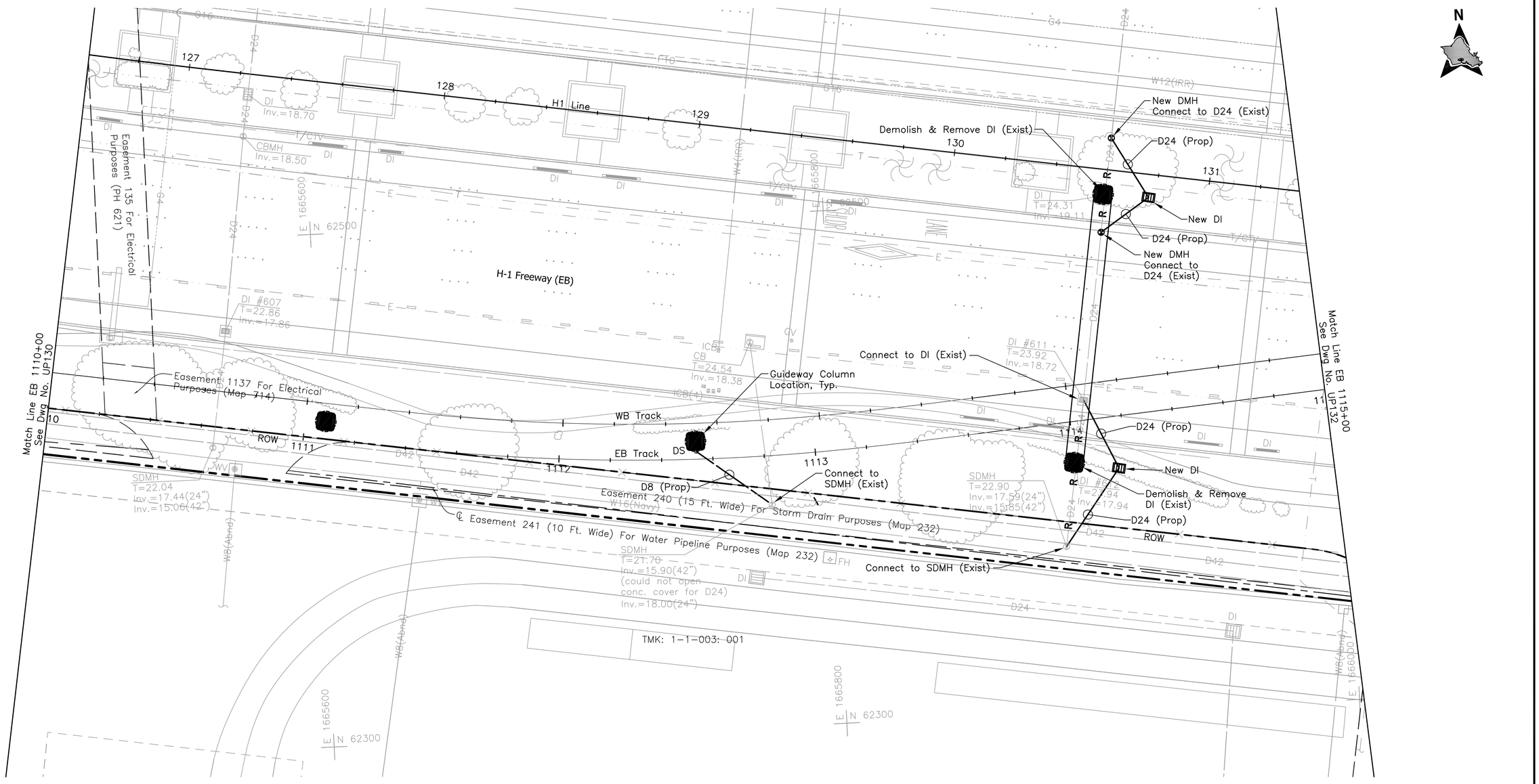

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: G Tom
Drawn: N Chan
Checked: J Yamamoto
Approved: G Takahashi
Date: 10-01-10

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UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1110+00 TO EB 1115+00

Contract No.: SV-430
CADD File: AP-D03-UP131
Drawing No.: UP131 Rev.:
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Page No.: 87 of 222

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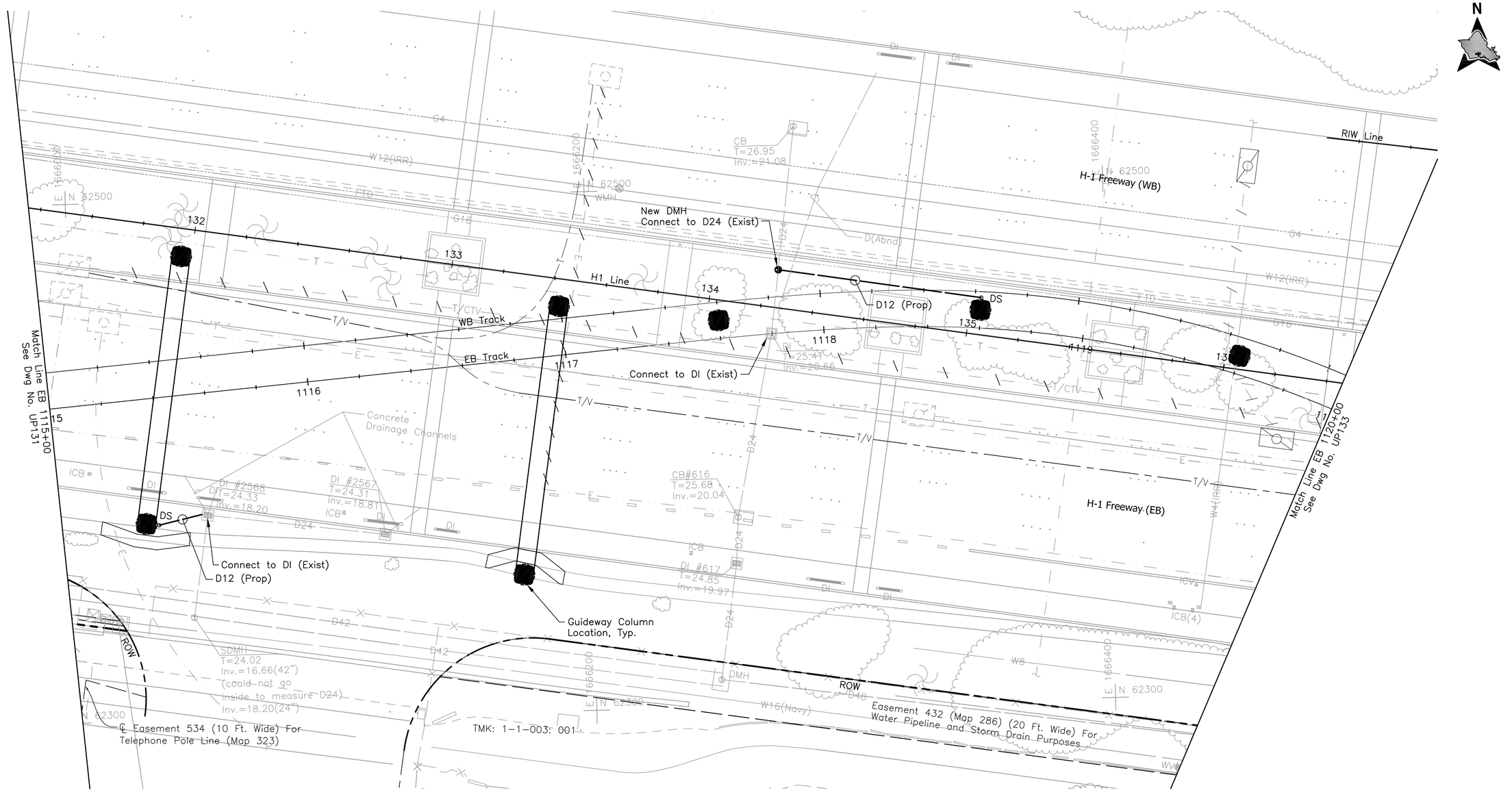

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UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1115+00 TO EB 1120+00

Contract No.: SV-430
CADD File: AP-D03-UP132
Drawing No.: UP132
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Page No.: 88 of 222

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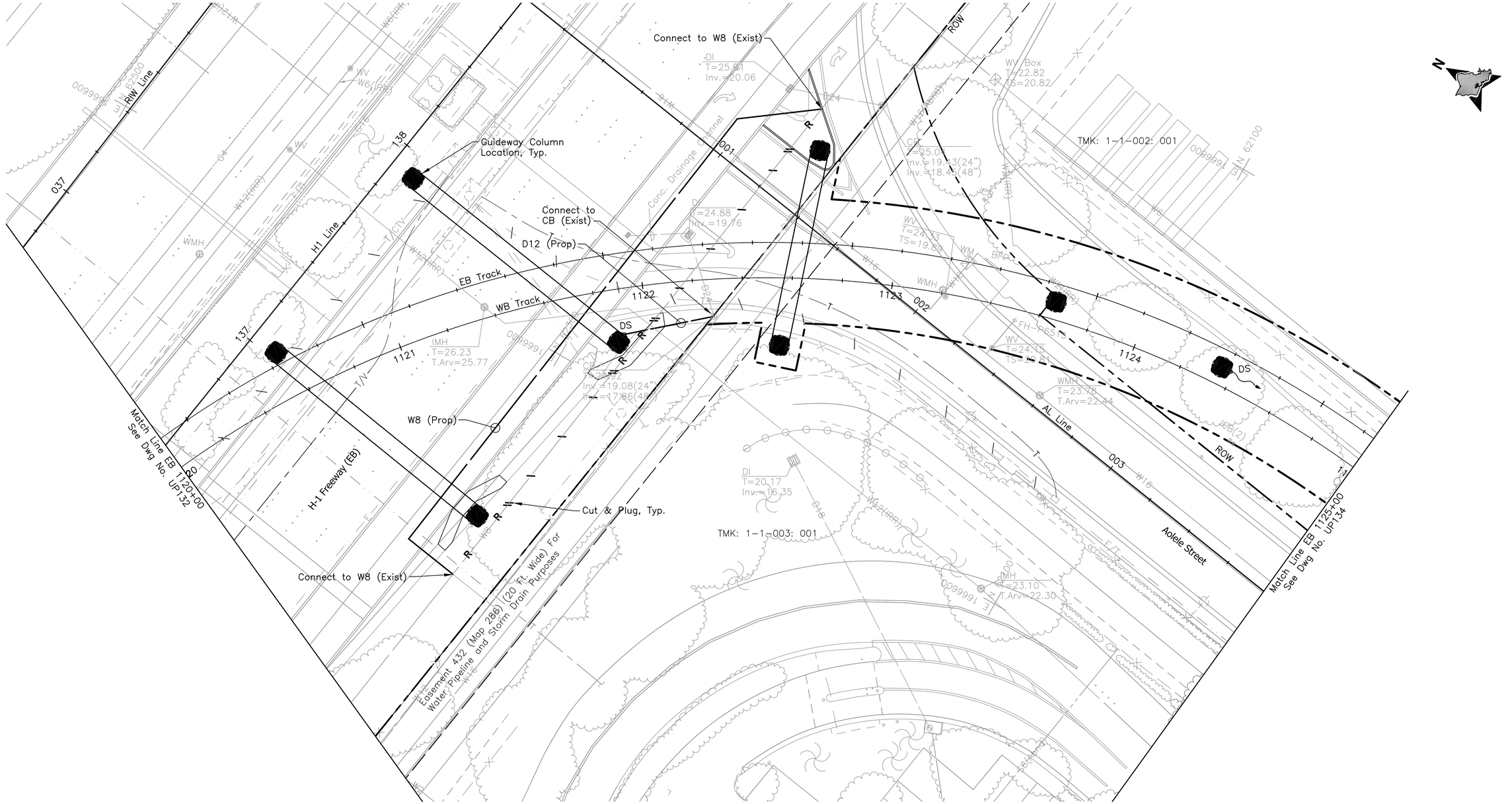

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UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1120+00 TO EB 1125+00

Contract No.: SV-430
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Drawing No: UP133 Rev.
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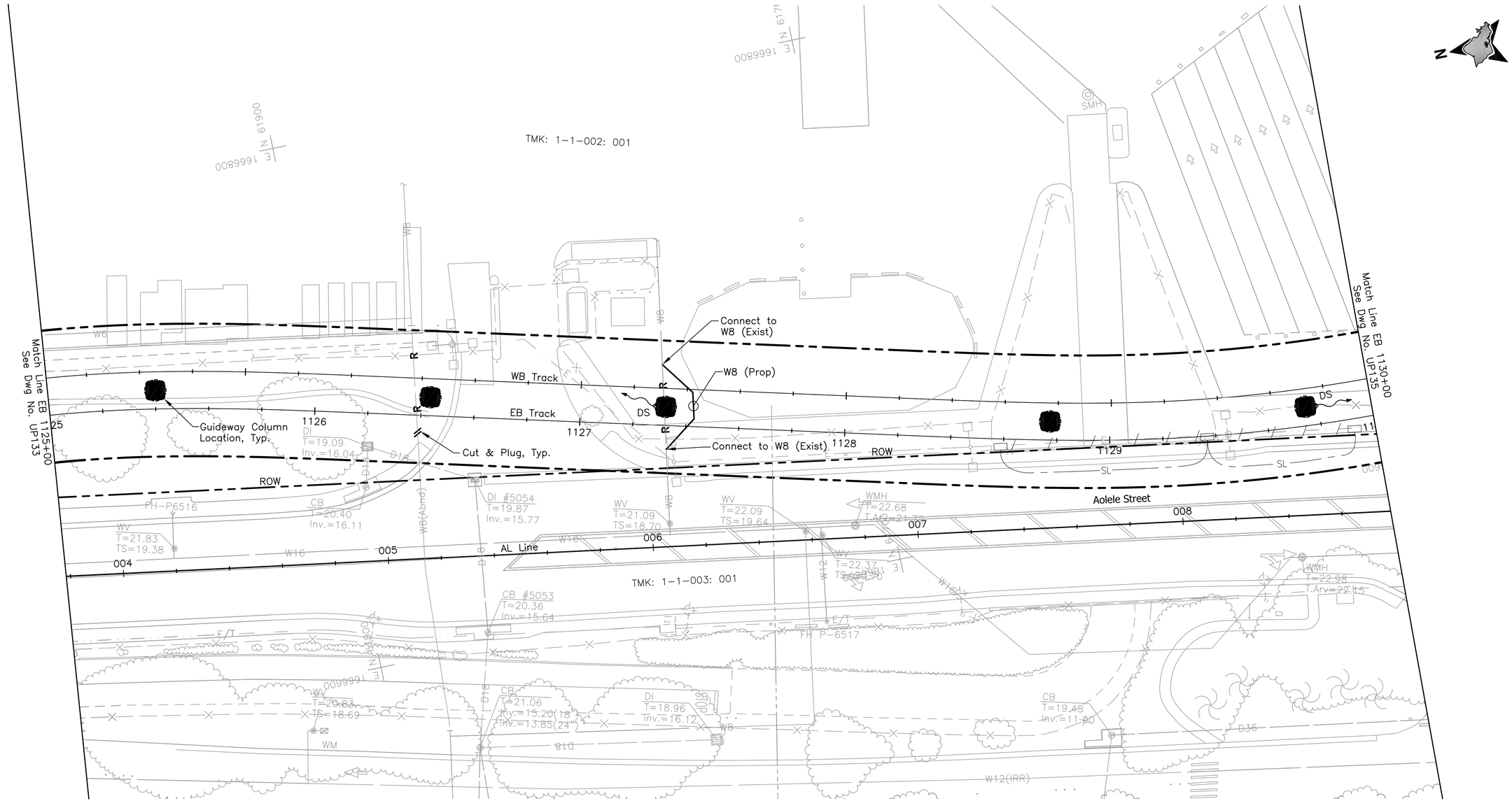

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UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1125+00 TO EB 1130+00

Contract No.: SV-430
CADD File: AP-D03-UP134
Drawing No: UP134 Rev.
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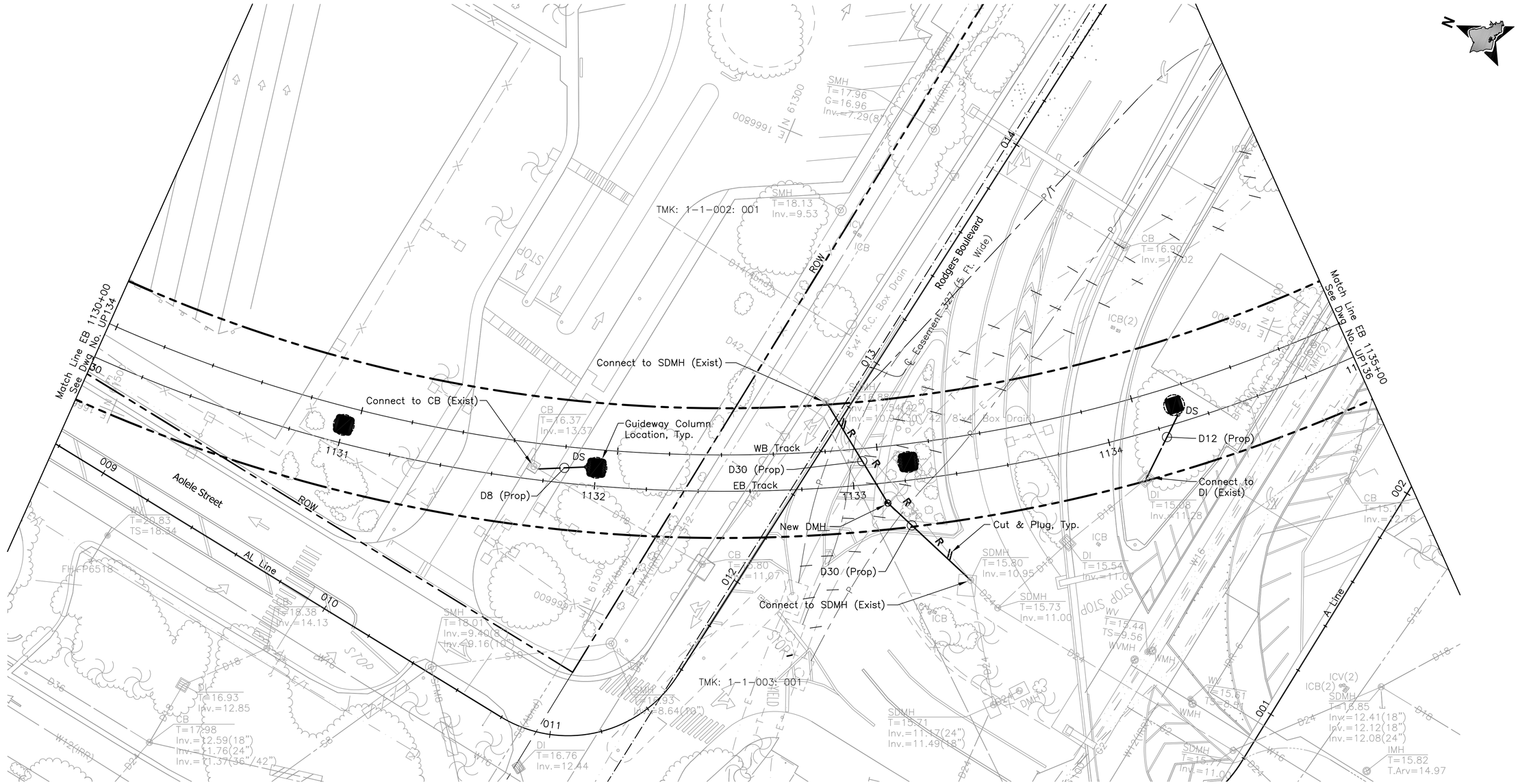

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UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1130+00 TO EB 1135+00

Contract No.: SV-430
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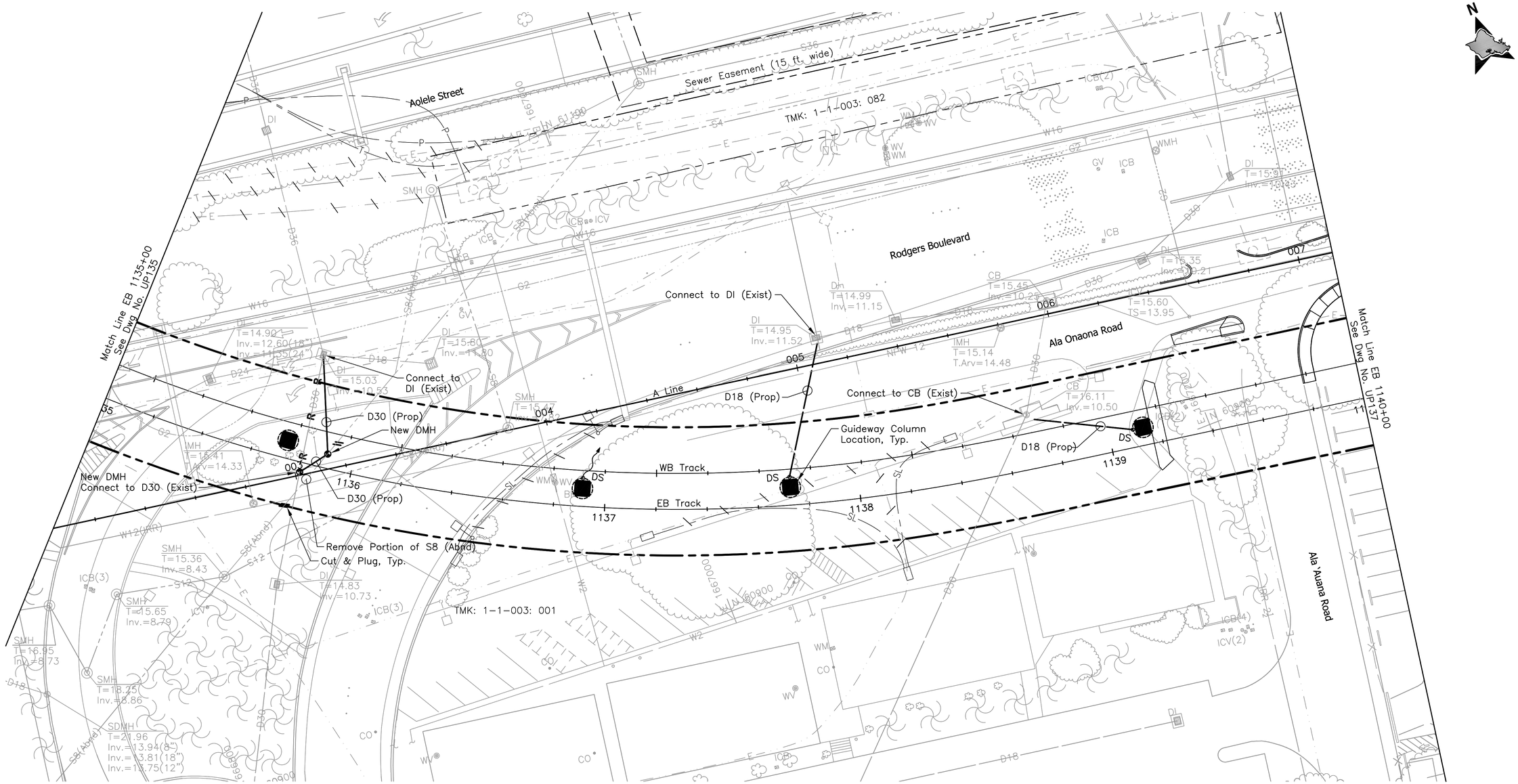

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UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1135+00 TO EB 1140+00

Contract No.: SV-430
CADD File: AP-D03-UP136
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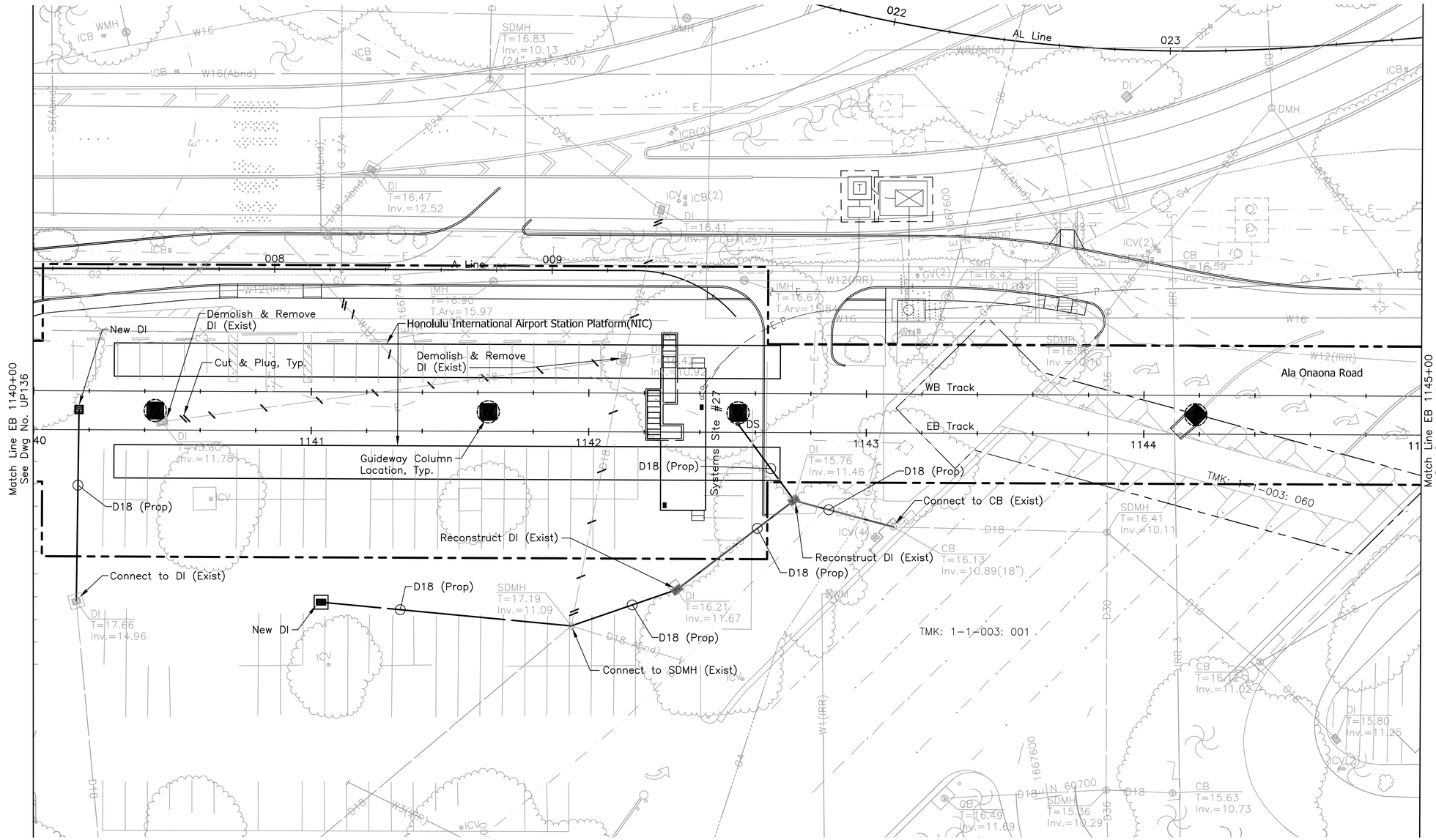

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UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1140+00 TO EB 1145+00

Contract No.: SV-430
CADD File: AP-D03-UP137
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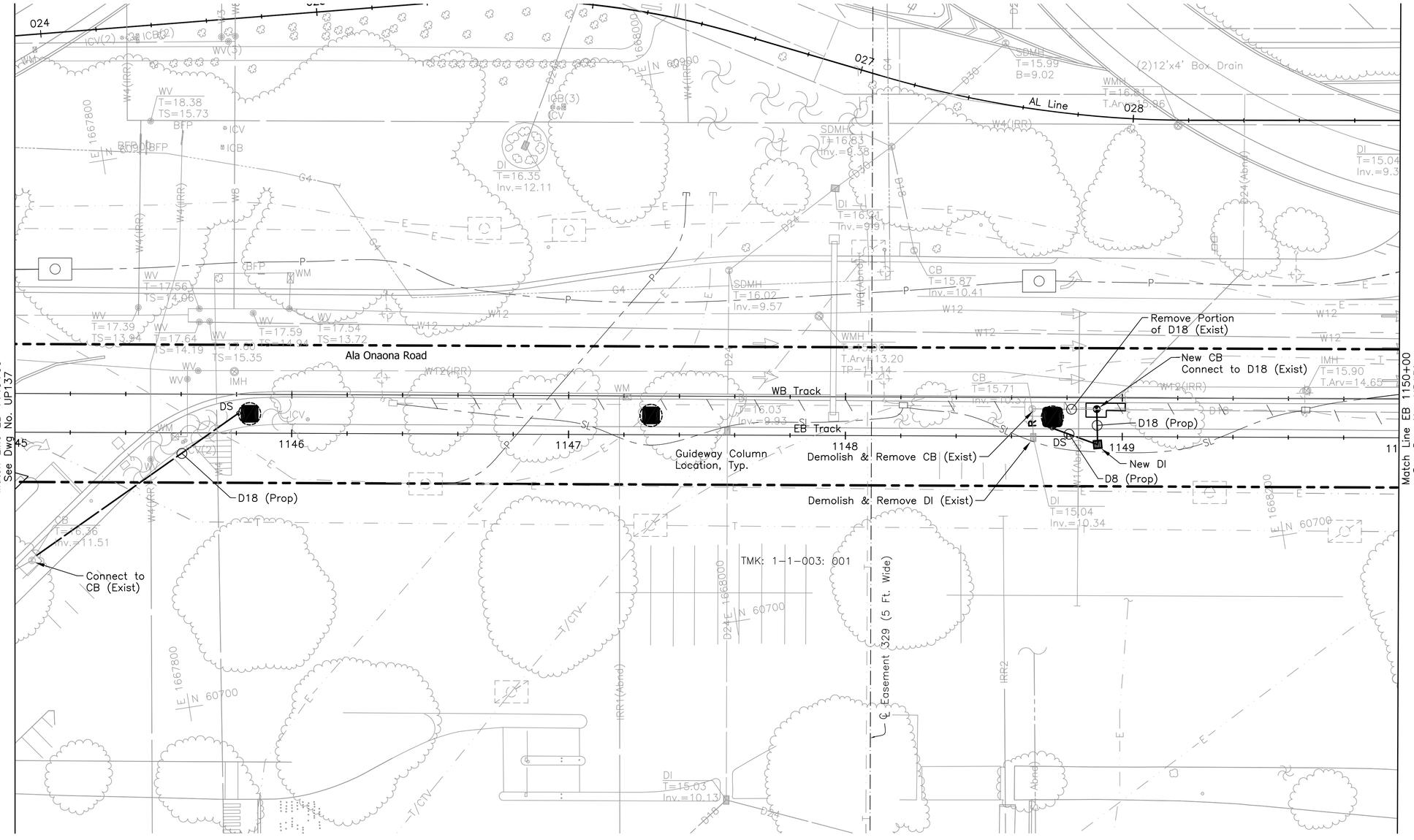

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1145+00 TO EB 1150+00

Contract No.: SV-430
CADD File: AP-D03-UP138
Drawing No: UP138 Rev.
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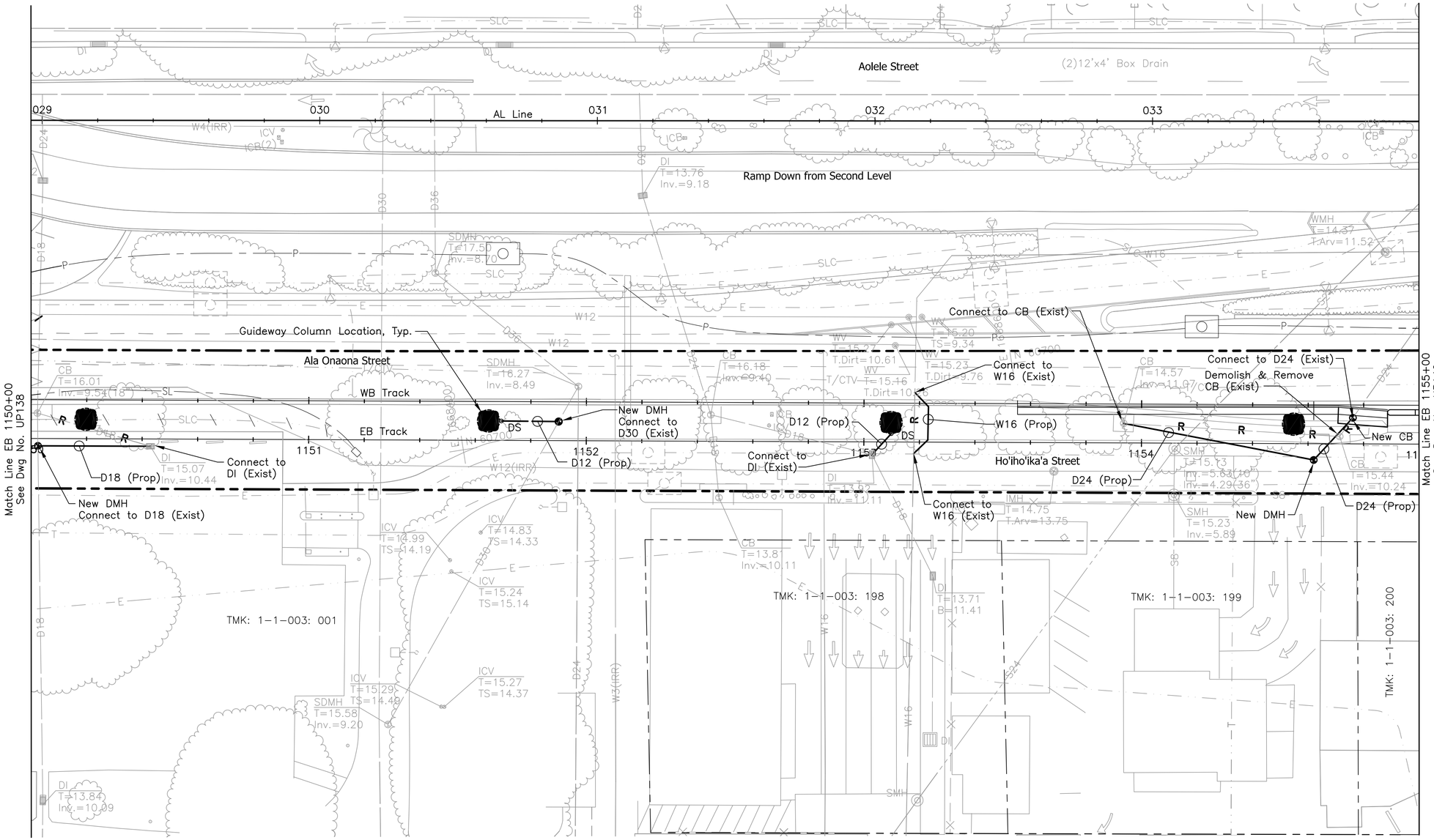

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: G Tom
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Approved: G Takahashi
Date: 10-01-10

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1150+00 TO EB 1155+00

Contract No.: SV-430
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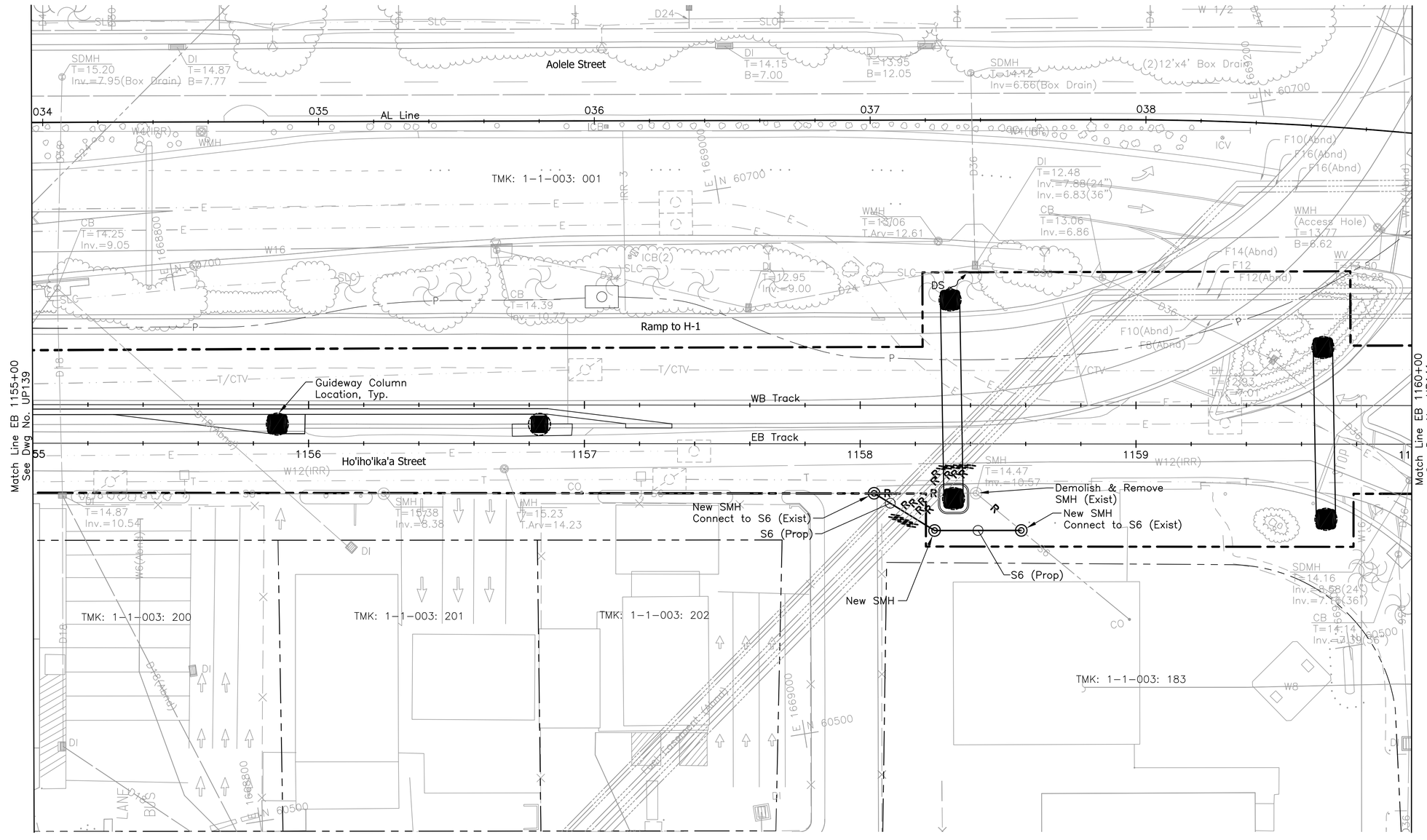

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1155+00 TO EB 1160+00

Contract No.: SV-430
CADD File: AP-D03-UP140
Drawing No.: UP140 Rev.:
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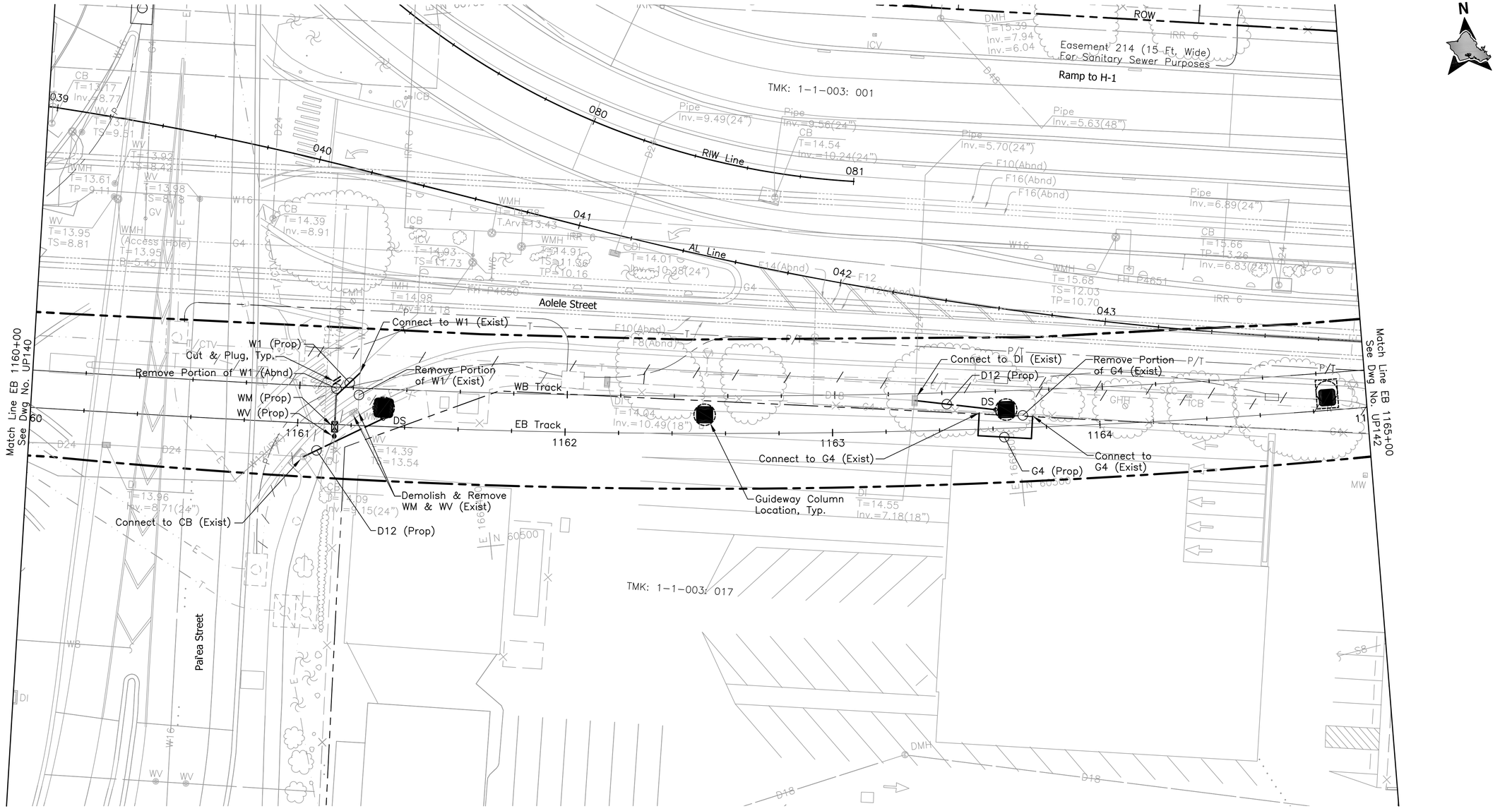

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1160+00 TO EB 1165+00

Contract No.:	SV-430
CADD File:	AP-D03-UP141
Drawing No:	UP141
Rev.	
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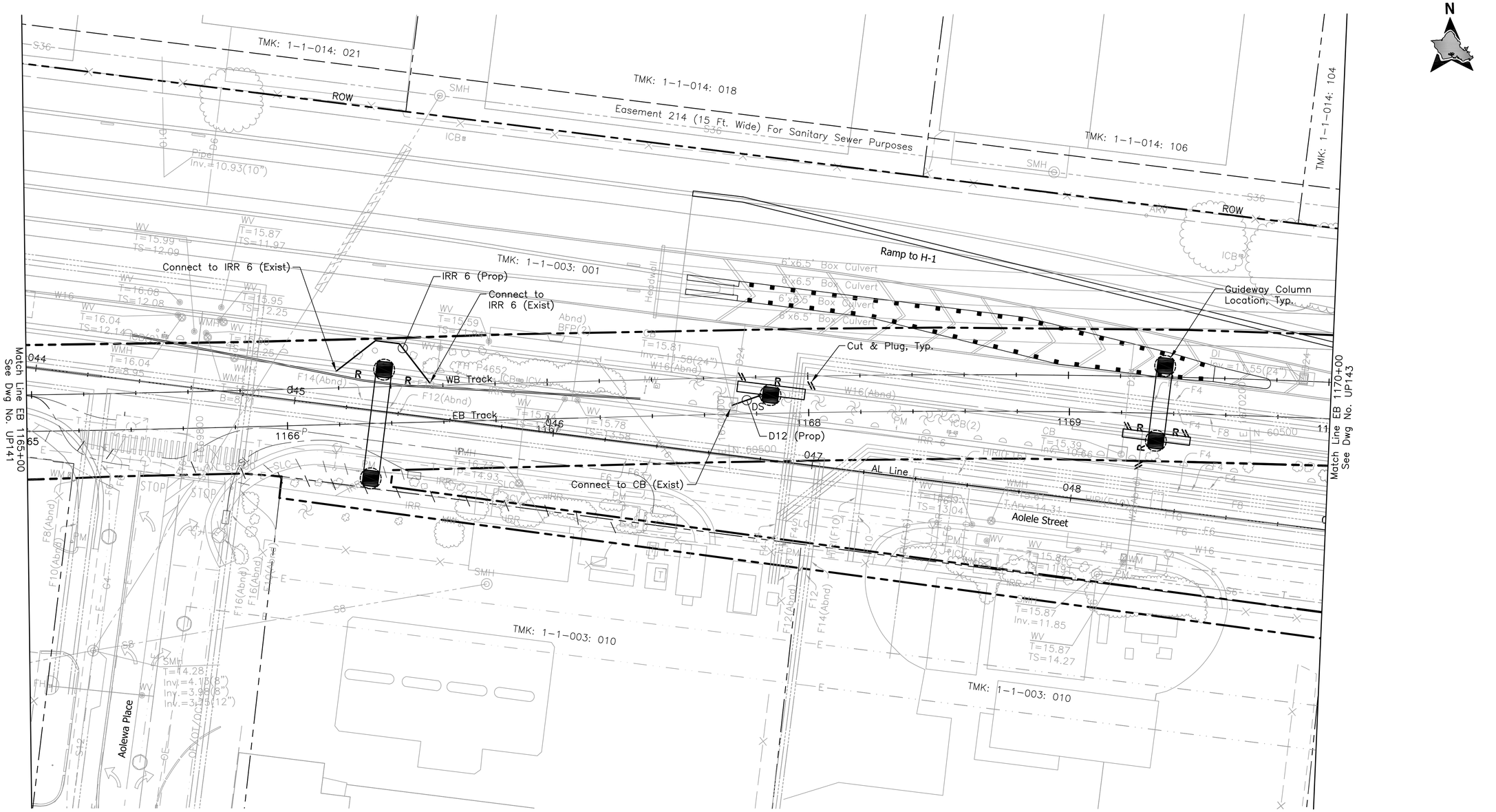

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NOTE:

Contractor to verify location of Irrigation lines (2" and smaller) and relocate as required.

20' 0 20'

Rev	By	Date	Description

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1165+00 TO EB 1170+00

Contract No.: SV-430
CADD File: AP-D03-UP142
Drawing No: UP142 Rev.
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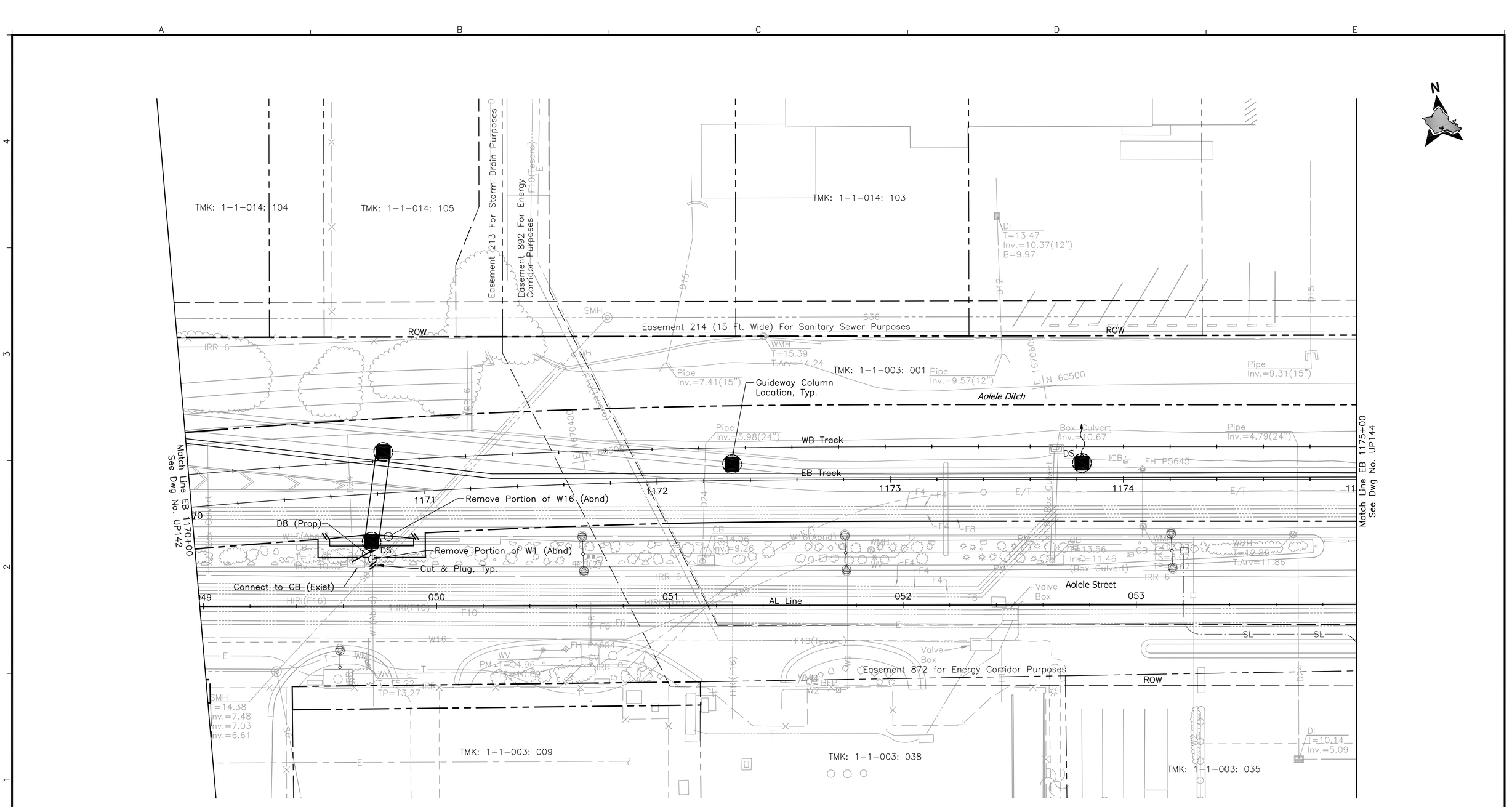

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1170+00 TO EB 1175+00

Contract No.: SV-430
CADD File: AP-D03-UP143
Drawing No: UP143 Rev.
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Page No. 99 of 222

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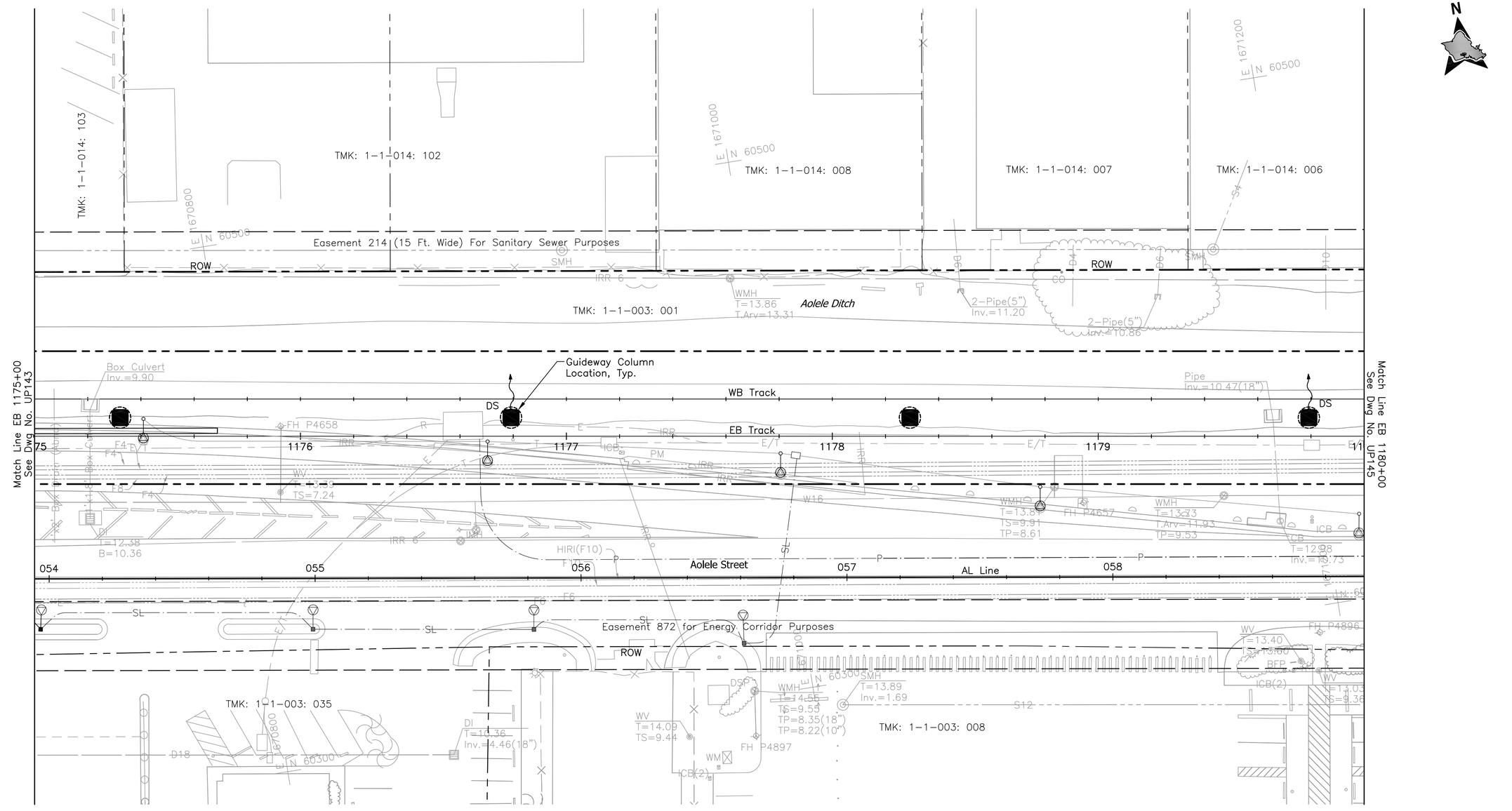

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1175+00 TO EB 1180+00

Contract No.: SV-430
CADD File: AP-D03-UP144
Drawing No: UP144 Rev.
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Page No. 100 of 222

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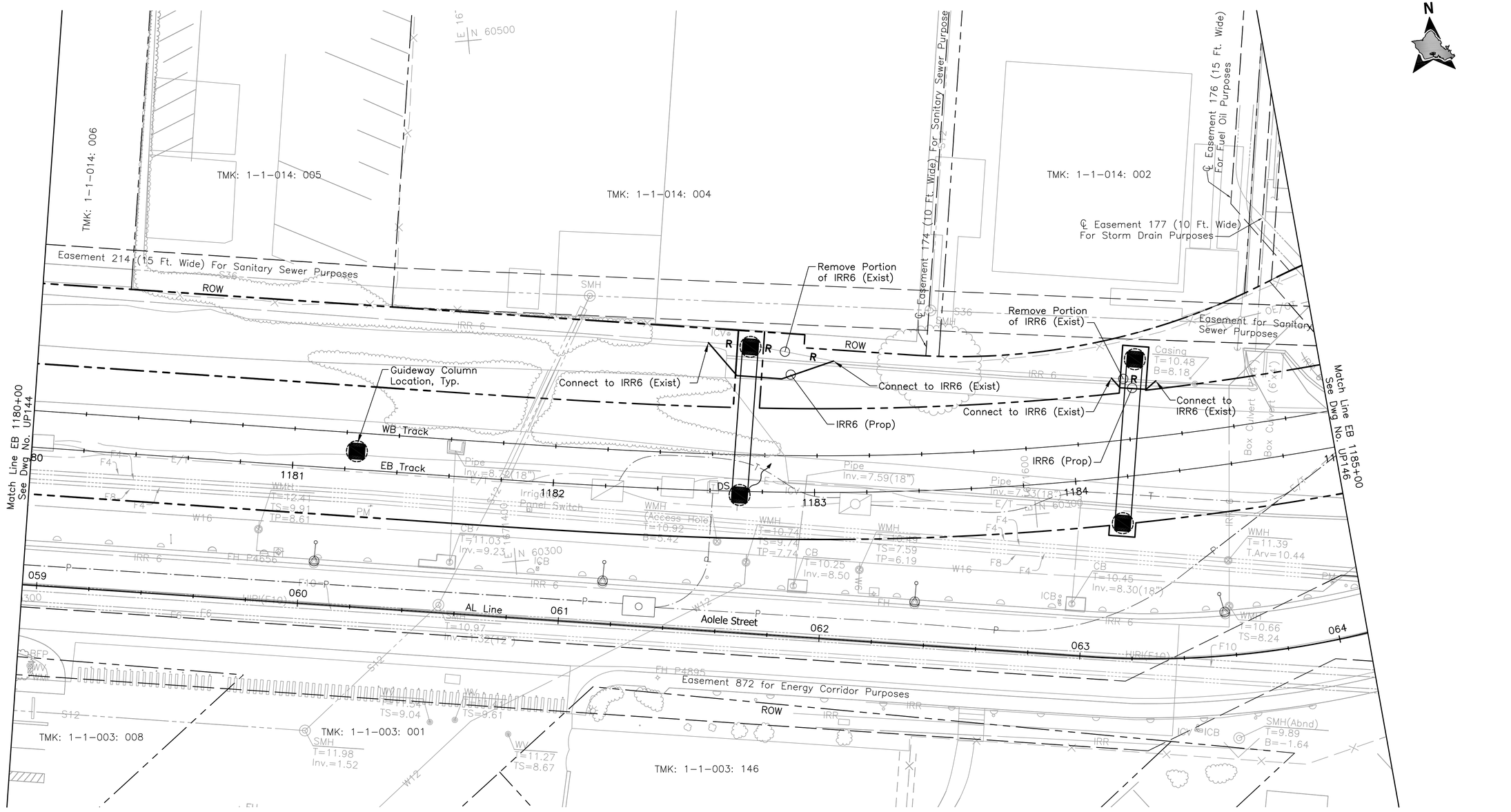

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UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1180+00 TO EB 1185+00

Contract No.: SV-430
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Drawing No: UP145 Rev.
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Page No. 101 of 222

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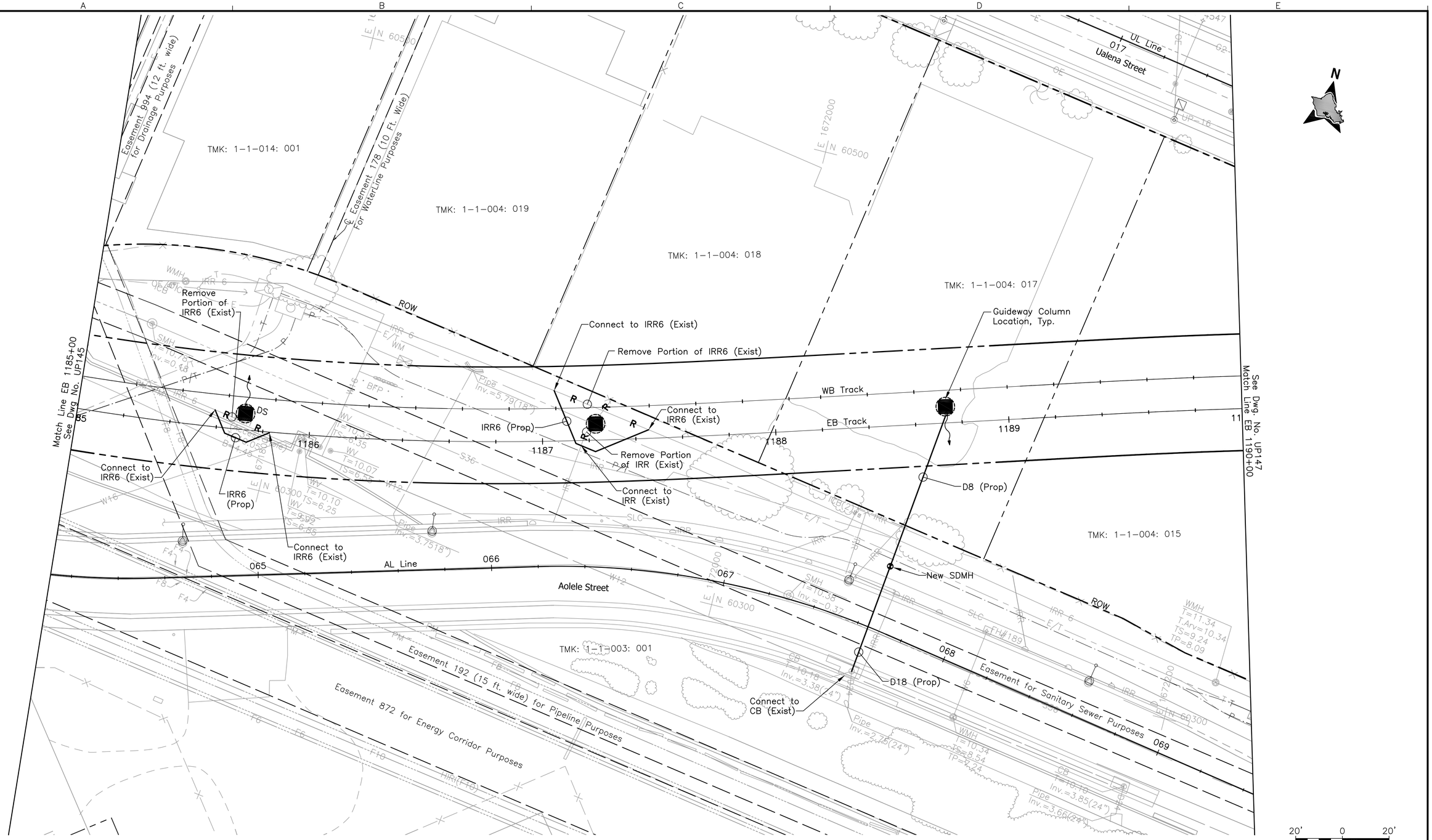

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: G Tom
Drawn: D Lee
Checked: H Andrews
Approved: J Yamamoto
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: R. M. TOWILL CORPORATION
Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1185+00 TO EB 1190+00

Contract No.: SV-430
CADD File: AP-D03-UP146
Drawing No.: UP146
Rev.:
Scale: 1"=20'
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UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1190+00 TO EB 1195+00

Contract No.: SV-430
CADD File: AP-D03-UP147
Drawing No.: UP147 Rev.
Scale: 1"=20'
Page No. 103 of 222

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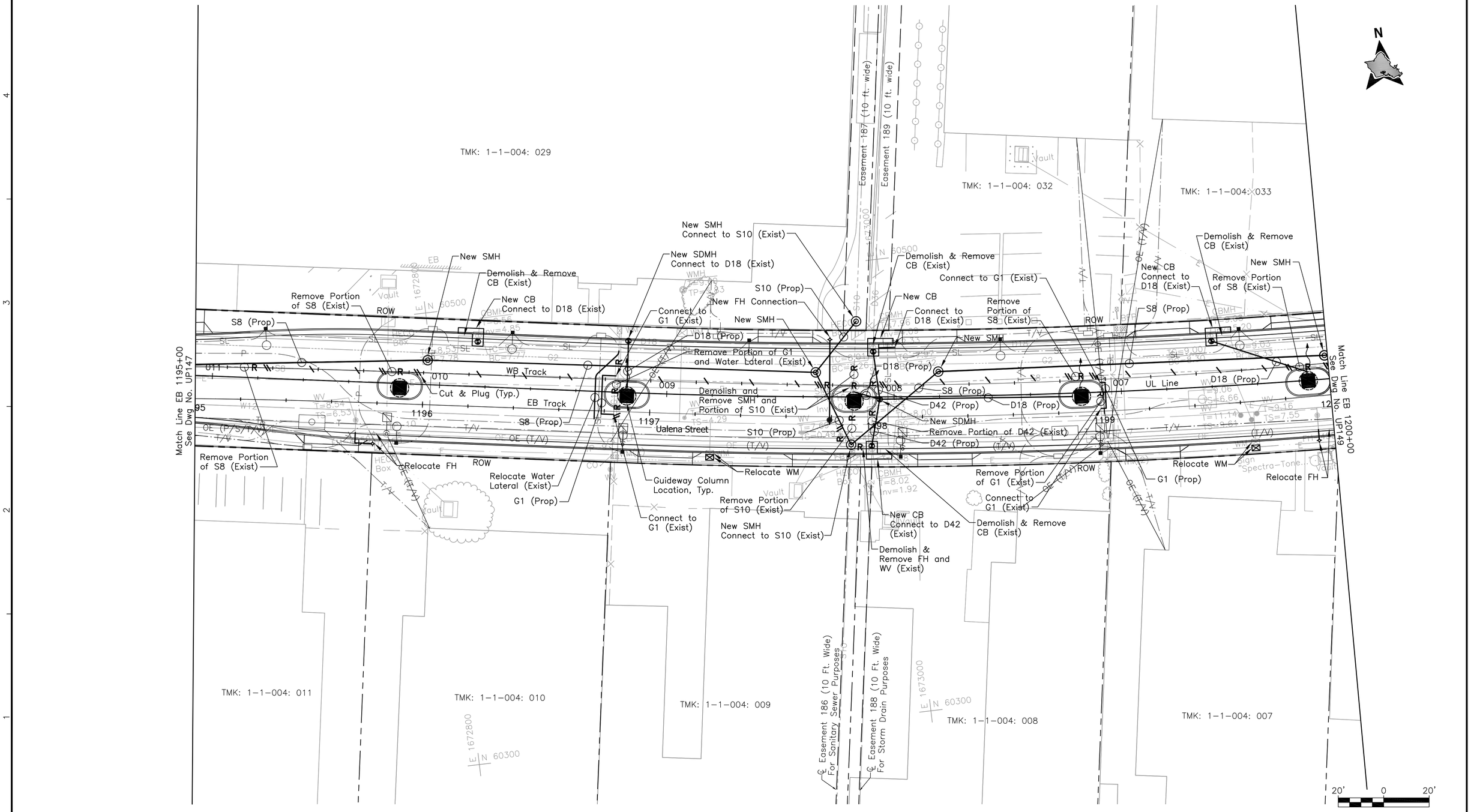

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1195+00 TO EB 1200+00

Contract No.: SV-430
CADD File: AP-D03-UP148
Drawing No.: UP148 Rev.
Scale: 1"=20'
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A B C D E

4 3 2 1

TMK: 1-1-004: 034

TMK: 1-1-004: 035

E 1673200 N 60500

E 1673400 N 60500

E 1673600 N 60500

Match Line EB 1200+00 See Dwg No. UP148

Match Line EB 1205+00 See Dwg No. UP150

Relocate Water Lateral (Exist)

Remove Portion of S8 and Water Lateral (Exist)

S8 (Prop)

Relocate FH

New SMH

Remove Portion of S8 (Exist)

Remove Portion of S8 and Water Lateral (Exist)

Demolish & Remove SMH (Exist)

ROW

New SDMH

S8 (Prop)

New SMH

Remove Portion of S8 (Exist)

D18 (Prop)

New SDMH

D18 (Prop)

New SMH

S8 (Prop)

Pipe Railing

WB Track

EB Track

UL Line

006 005 004 003 002

1201 1202 1203 1204

D18 (Prop)

S8 (Prop)

Ualena Street

Relocate Water Lateral (Exist)

Demolish & Remove SMH (Exist)

Cut & Plug (Typ.)

Guideway Column Location, Typ.

New FH Connection

Demolish and Remove FH and WV (Exist)

Remove Portion of S8 (Exist)

Easement 235

Vault

Post(2)

HECO Box

TMK: 1-1-004: 006

TMK: 1-1-004: 079

TMK: 1-1-004: 003

TMK: 1-1-004: 002

N

20' 0 20'

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1200+00 TO EB 1205+00

Contract No.: SV-430
CADD File: AP-D03-UP149
Drawing No.: UP149 Rev.:
Scale: 1"=20'
Page No.: 105 of 222

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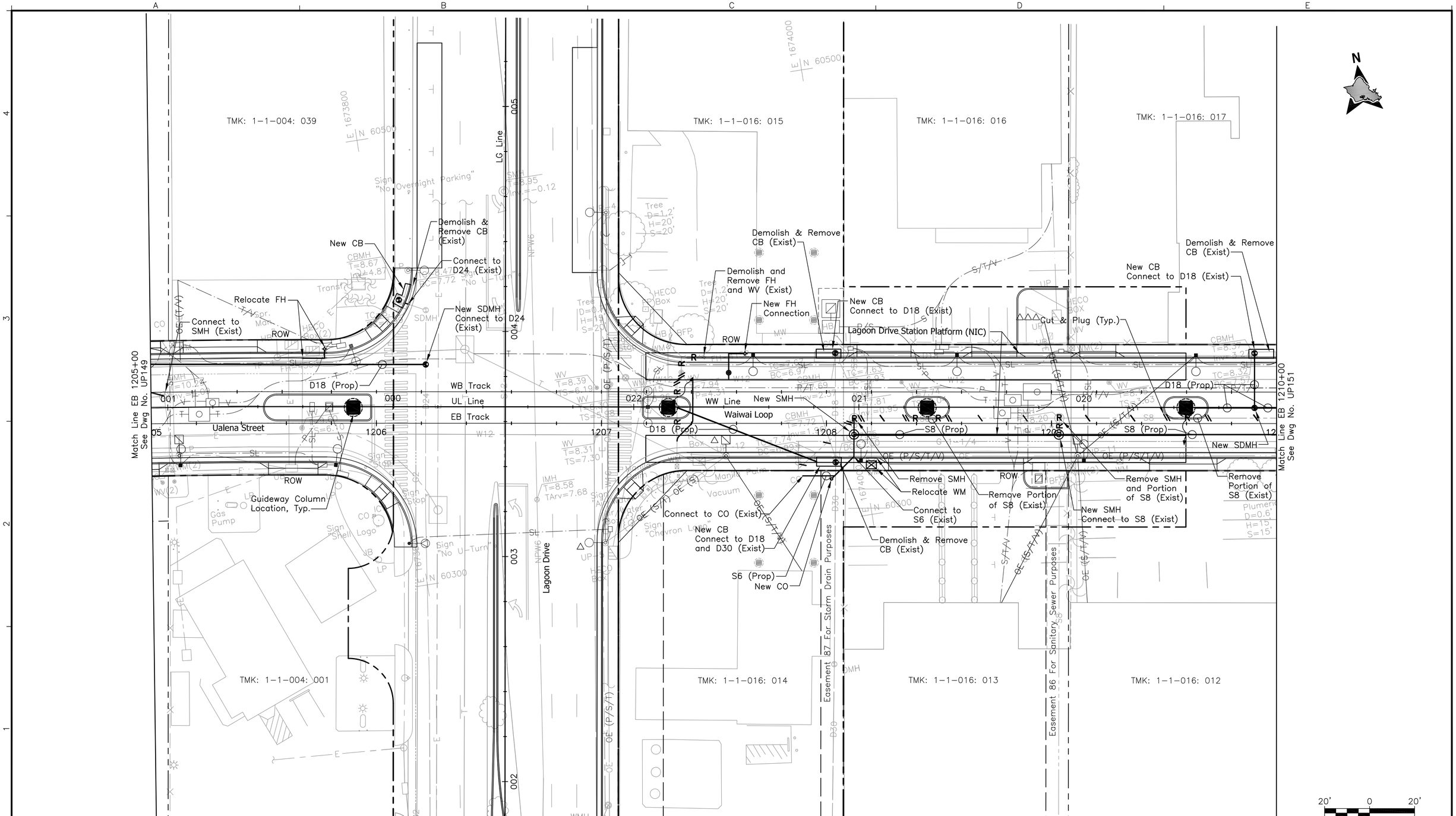

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1205+00 TO EB 1210+00

Contract No.: SV-430
CADD File: AP-D03-UP150
Drawing No.: UP150 Rev.
Scale: 1"=20'
Page No. 106 of 222

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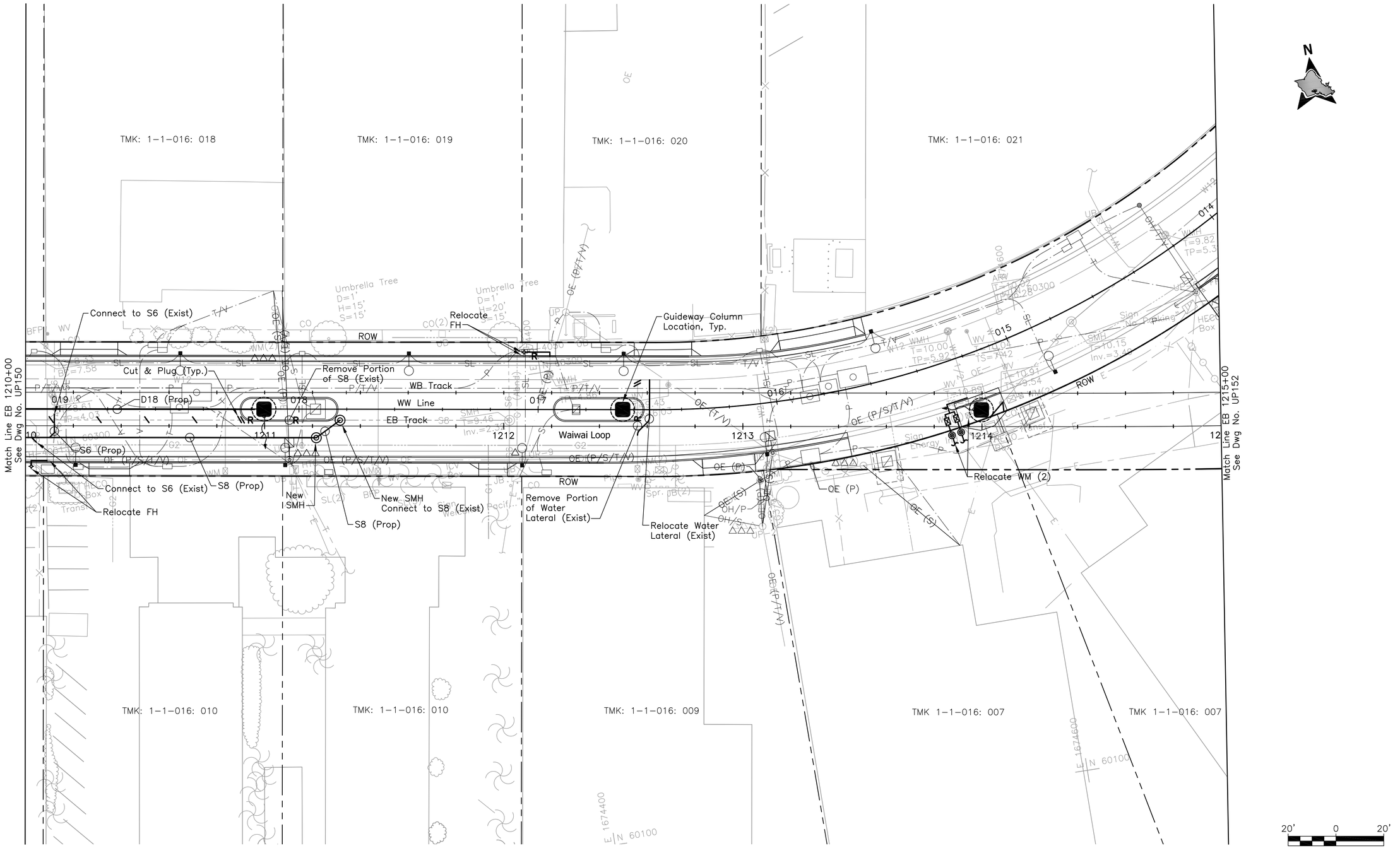

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1210+00 TO EB 1215+00

Contract No.: SV-430
CADD File: AP-D03-UP151
Drawing No: UP151
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Scale: 1"=20'
Page No. 107 of 222

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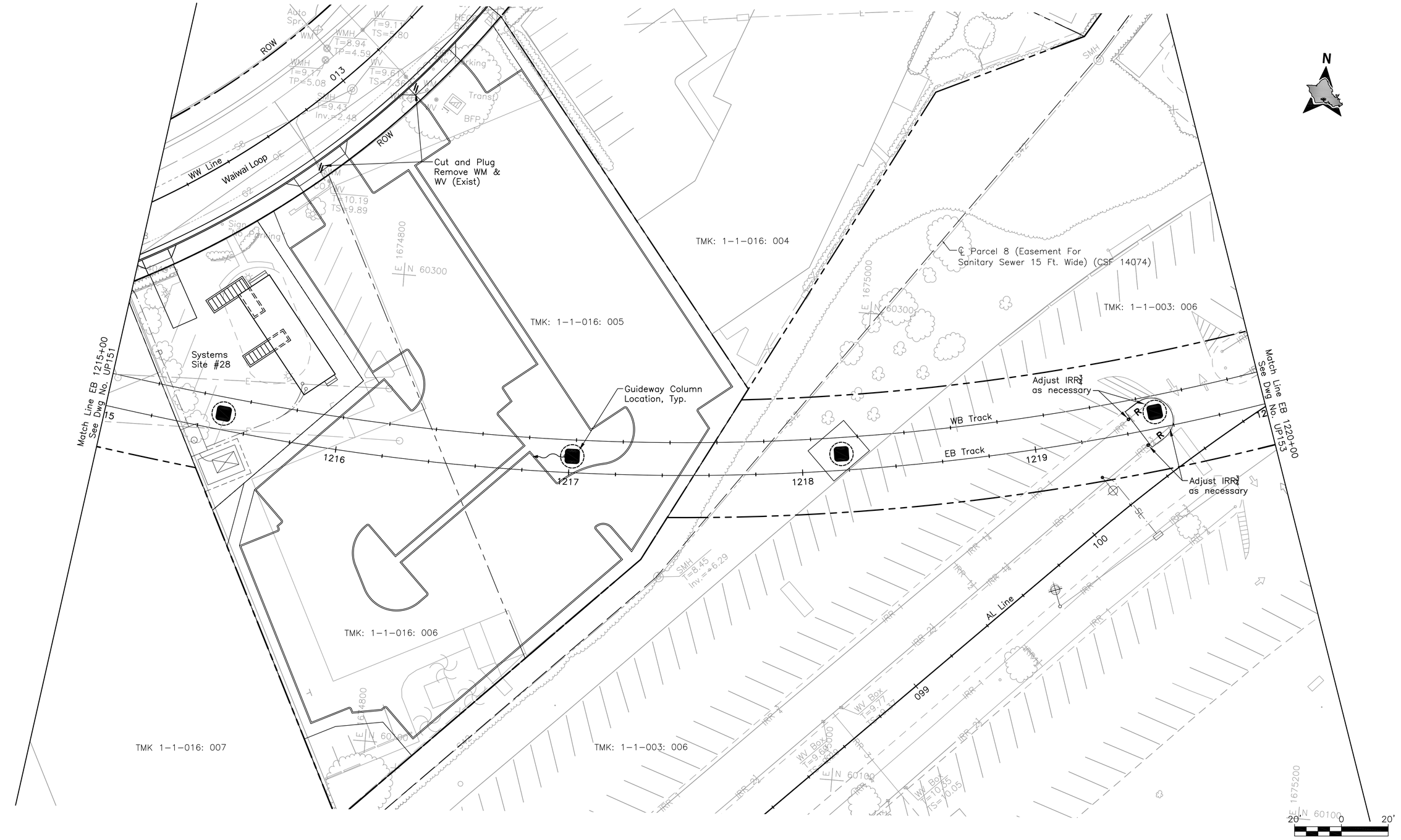

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1215+00 TO EB 1220+00

Contract No.: SV-430
CADD File: AP-D03-UP152
Drawing No.: UP152 Rev.
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Page No. 108 of 222

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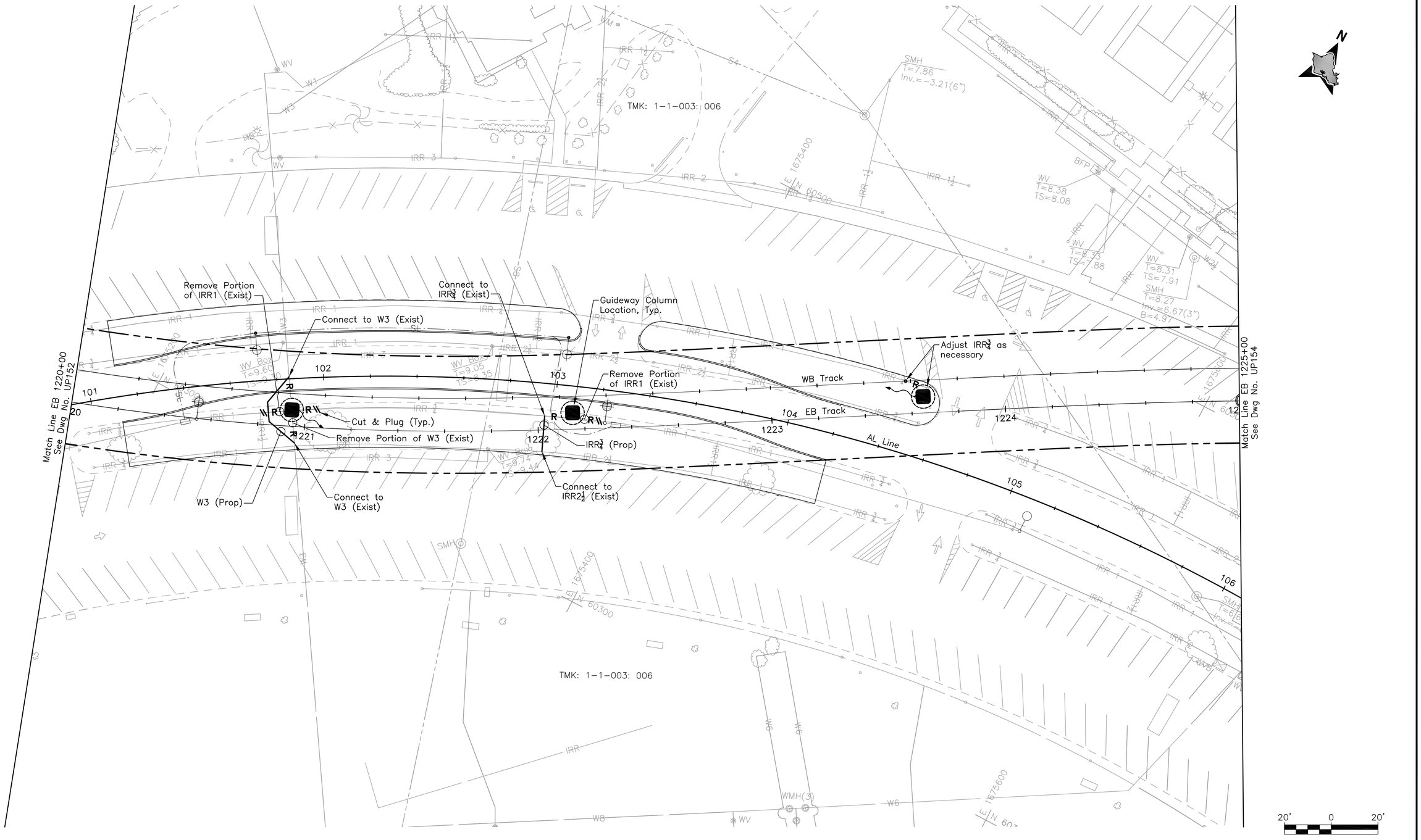

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1220+00 TO EB 1225+00

Contract No.: SV-430
CADD File: AP-D03-UP153
Drawing No.: UP153 Rev.:
Scale: 1"=20'
Page No.: 109 of 222

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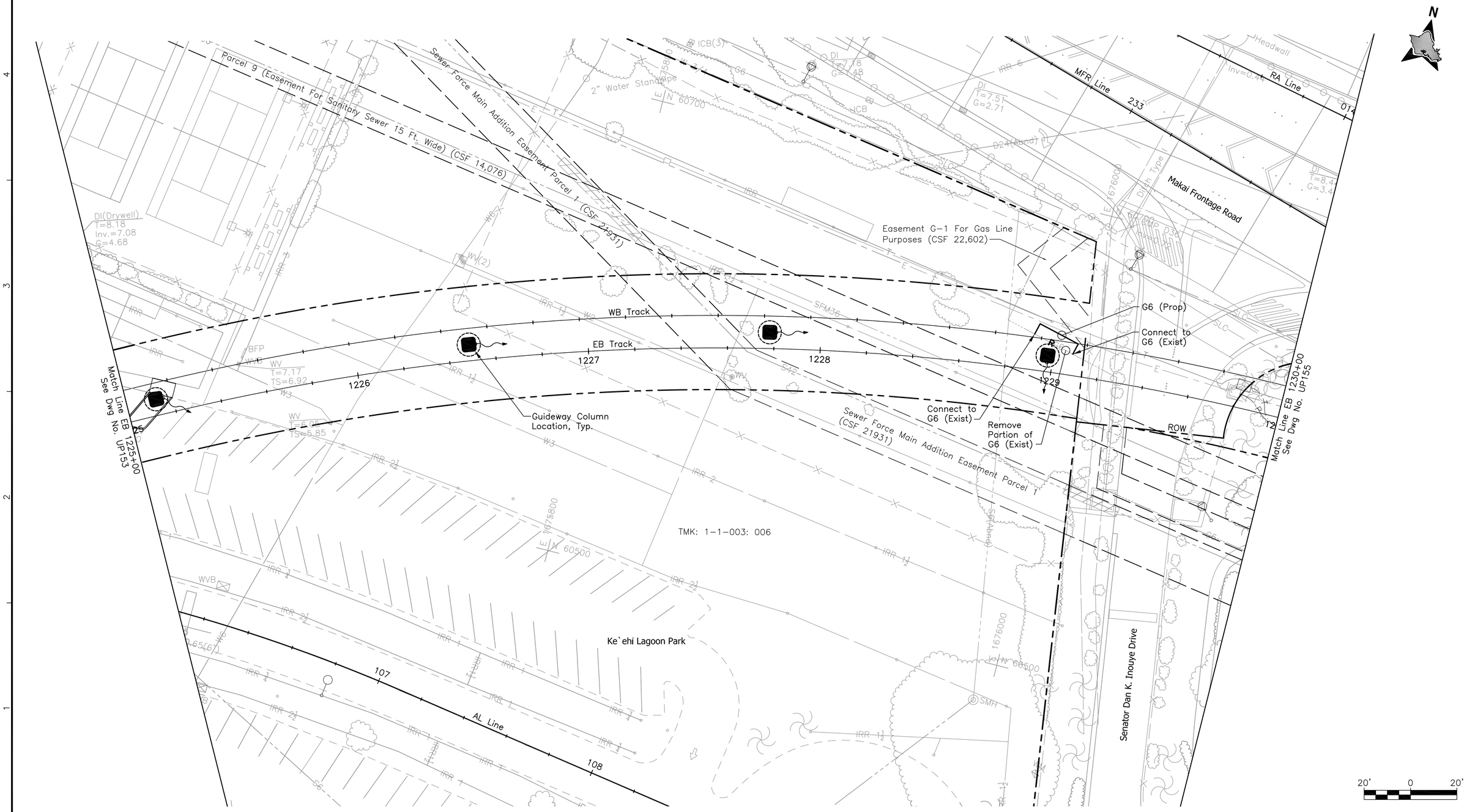

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1225+00 TO EB 1230+00

Contract No.: SV-430
CADD File: AP-D03-UP154
Drawing No.: UP154 Rev.
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Page No. 110 of 222

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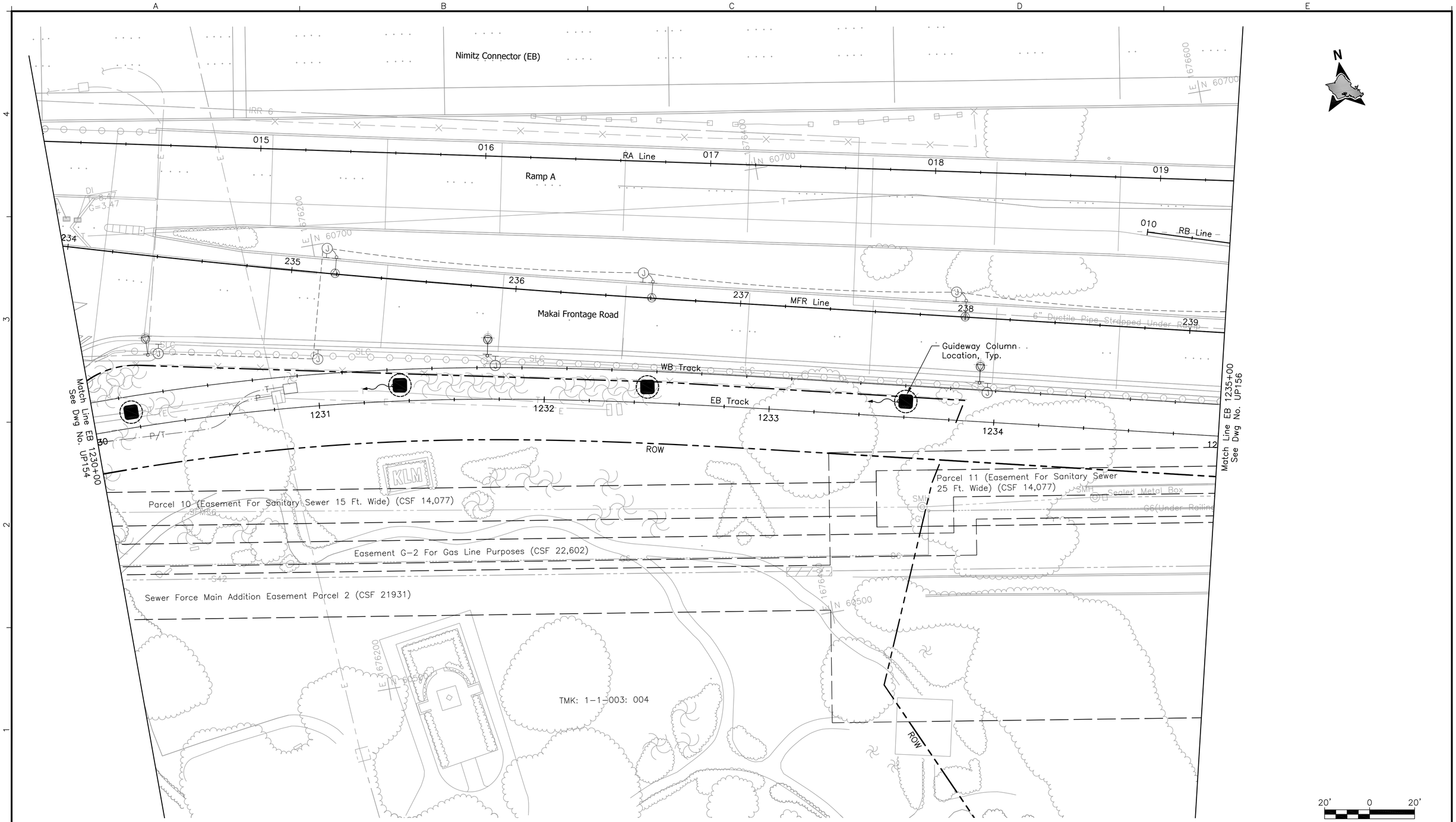

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1230+00 TO EB 1235+00

Contract No.: SV-430
CADD File: AP-D03-UP155
Drawing No: UP155
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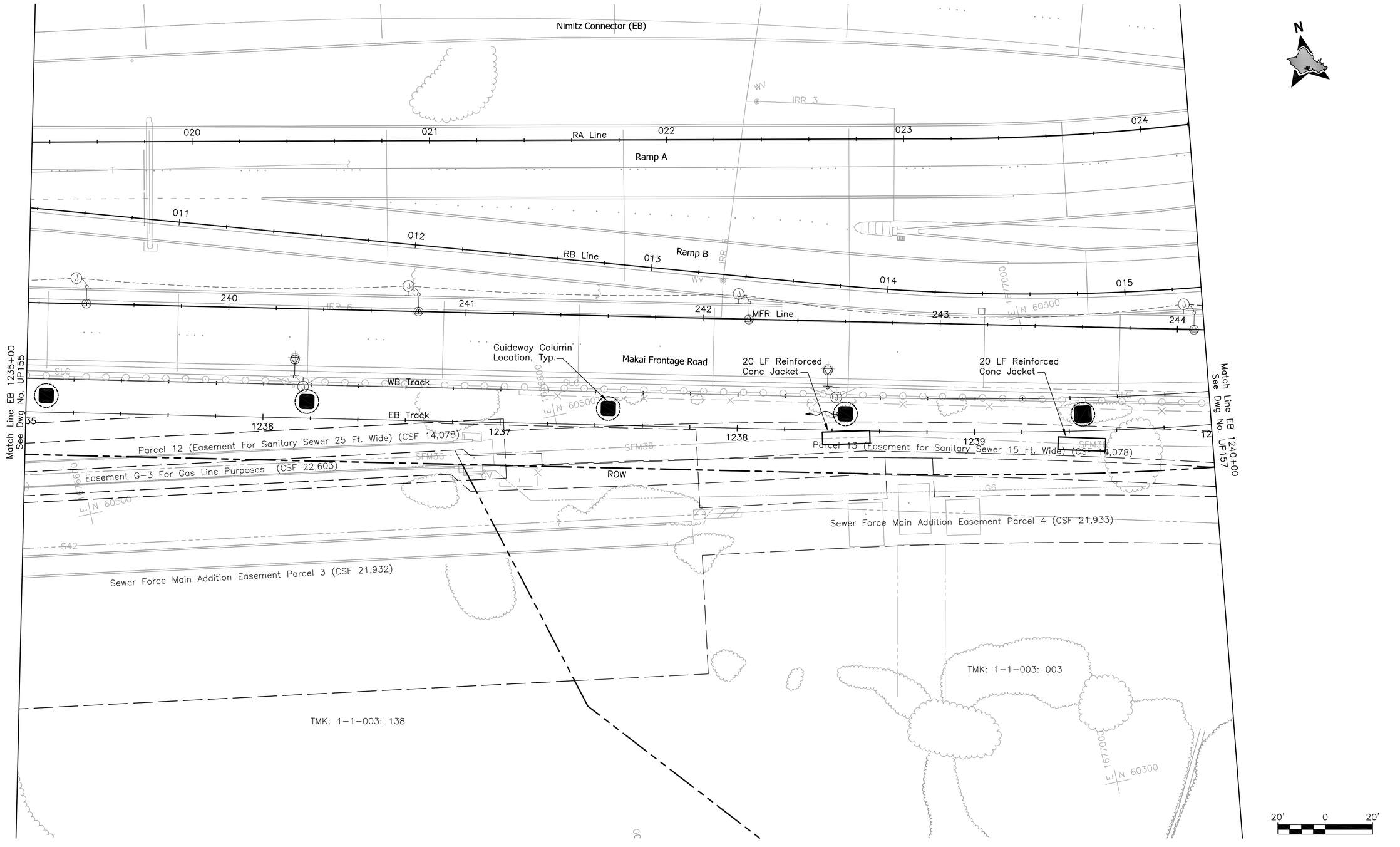

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1235+00 TO EB 1240+00

Contract No.: SV-430
CADD File: AP-D03-UP156
Drawing No: UP156 Rev.
Scale: 1"=20'
Page No. 112 of 222

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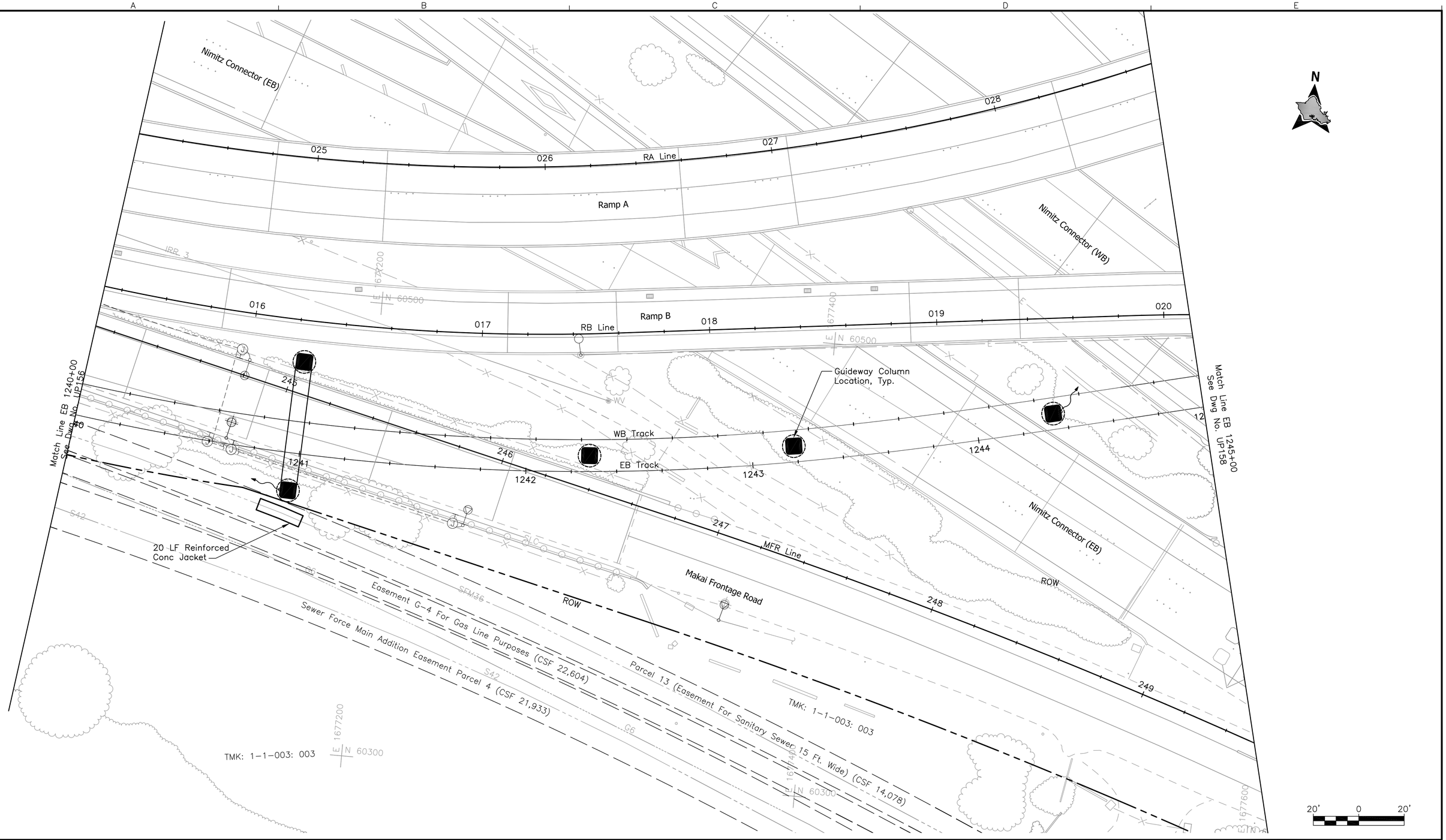

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1240+00 TO EB 1245+00

Contract No.: SV-430
CADD File: AP-D03-UP157
Drawing No.: UP157 Rev.
Scale: 1"=20'
Page No. 113 of 222

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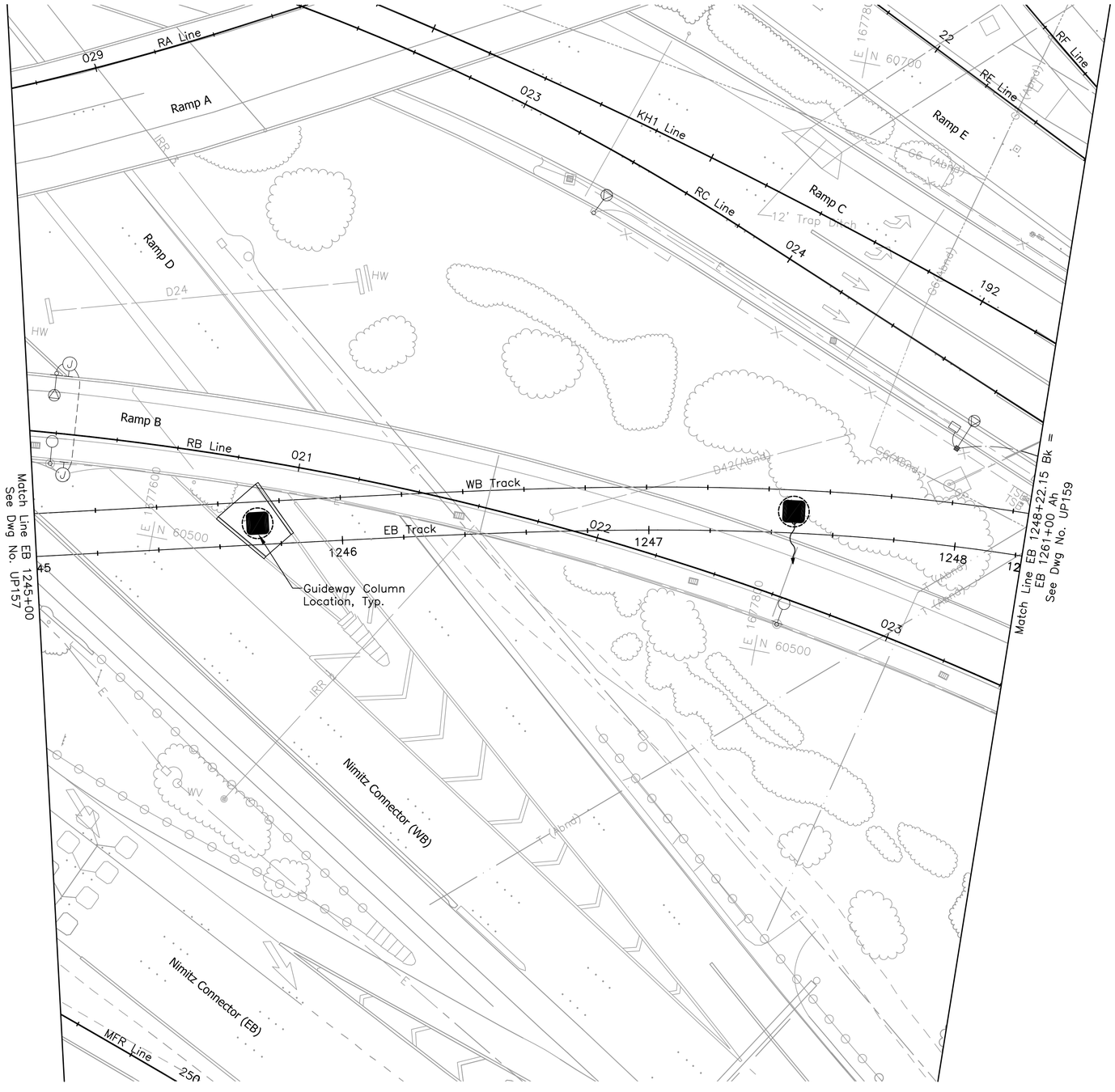

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1245+00 TO EB 1248+22.15 BK

Contract No.: SV-430
CADD File: AP-D03-UP158
Drawing No: UP158 Rev.
Scale: 1"=20'
Page No. 114 of 222

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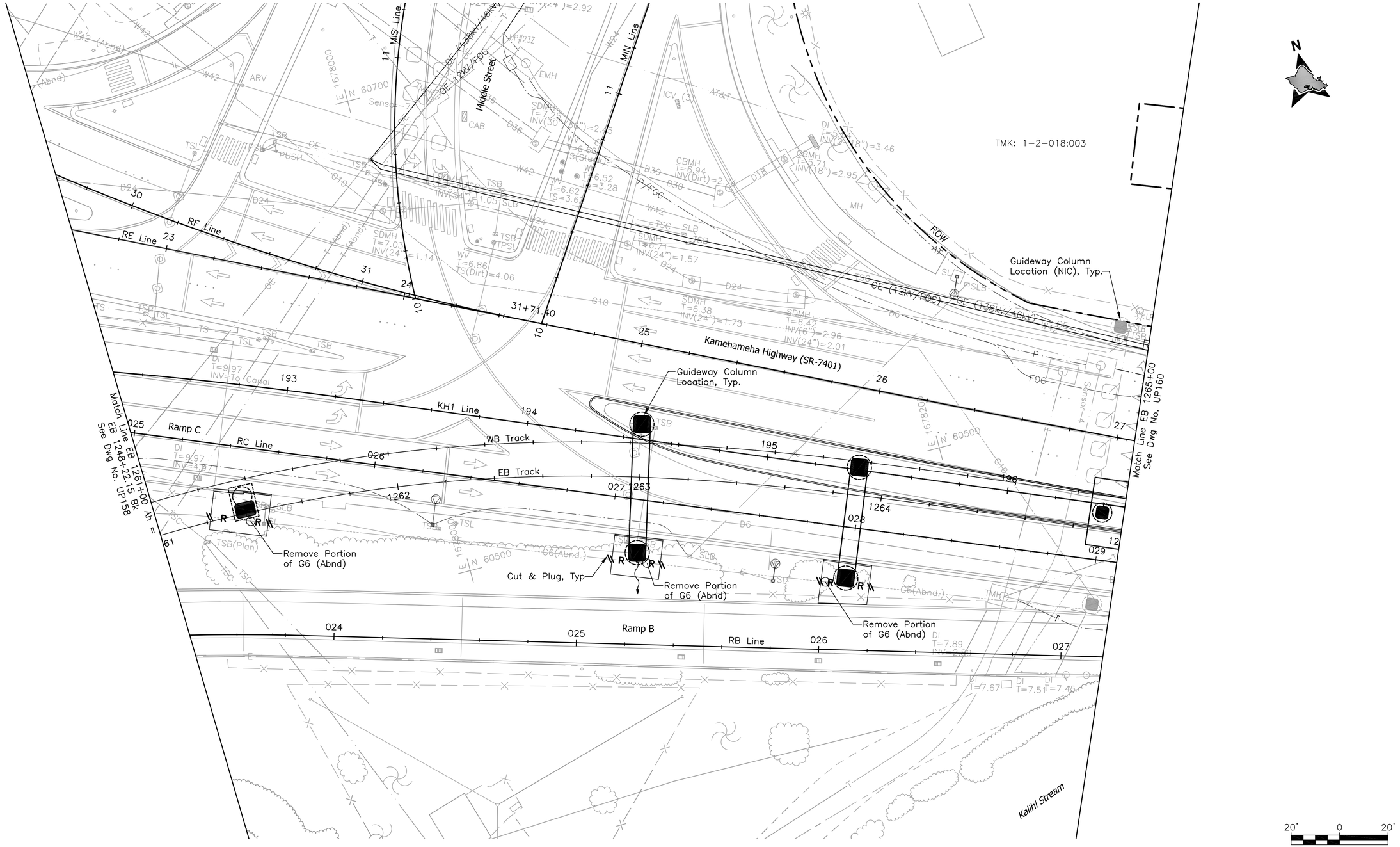

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1261+00 AH TO EB 1265+00

Contract No.:	SV-430
CADD File:	AP-D03-UP159
Drawing No:	UP159
Rev.	
Scale:	1"=20'
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TMK: 1-2-018:009

TMK: 1-2-018:003

TMK: 1-2-017:004

TMK: 1-2-017:003

TMK: 1-2-017:005

TMK: 1-2-017:002

TMK: 1-2-013:021

Guideway Column Location (NIC), Typ.

ROW

Middle Street Transit Center Station Platform (NIC)

Kamehameha Highway (SR-7401)

Kamehameha Highway (City)

State City

RE Line

KH1 Line

WB Track

EB Track

RC Line

RB Line

Ramp B

SFM12 (Army, Prop)

SFM12 (Army, Exist)

Remove Portion of SFM12 (Army, Exist)

Remove Portion of S27 (Exist)

Remove Portion of S6 (Abnd)

New SMH Connect to S27 (Exist)

S27 (Prop)

New SMH

Demolish & Remove SDMH & DI

New CB Connect to D24 (Exist)

Demolish & Remove DI and Portion of D24 (Exist)

Cut & Plug, Typ

New SDMH

D24 (Prop)

D18 (Prop)

Remove Portion of D24 (Exist)

New SDMH Connect to D24 (Exist)

Systems Site #19

Kalihi Stream

Match Line EB 1265+00 See Dwg No. UP159

Match Line EB 1270+50 See Dwg No. UP161

20' 0 20'

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EB 1265+00 TO EB 1270+50

Contract No.: SV-430
CADD File: AP-D03-UP160
Drawing No: UP160 Rev.
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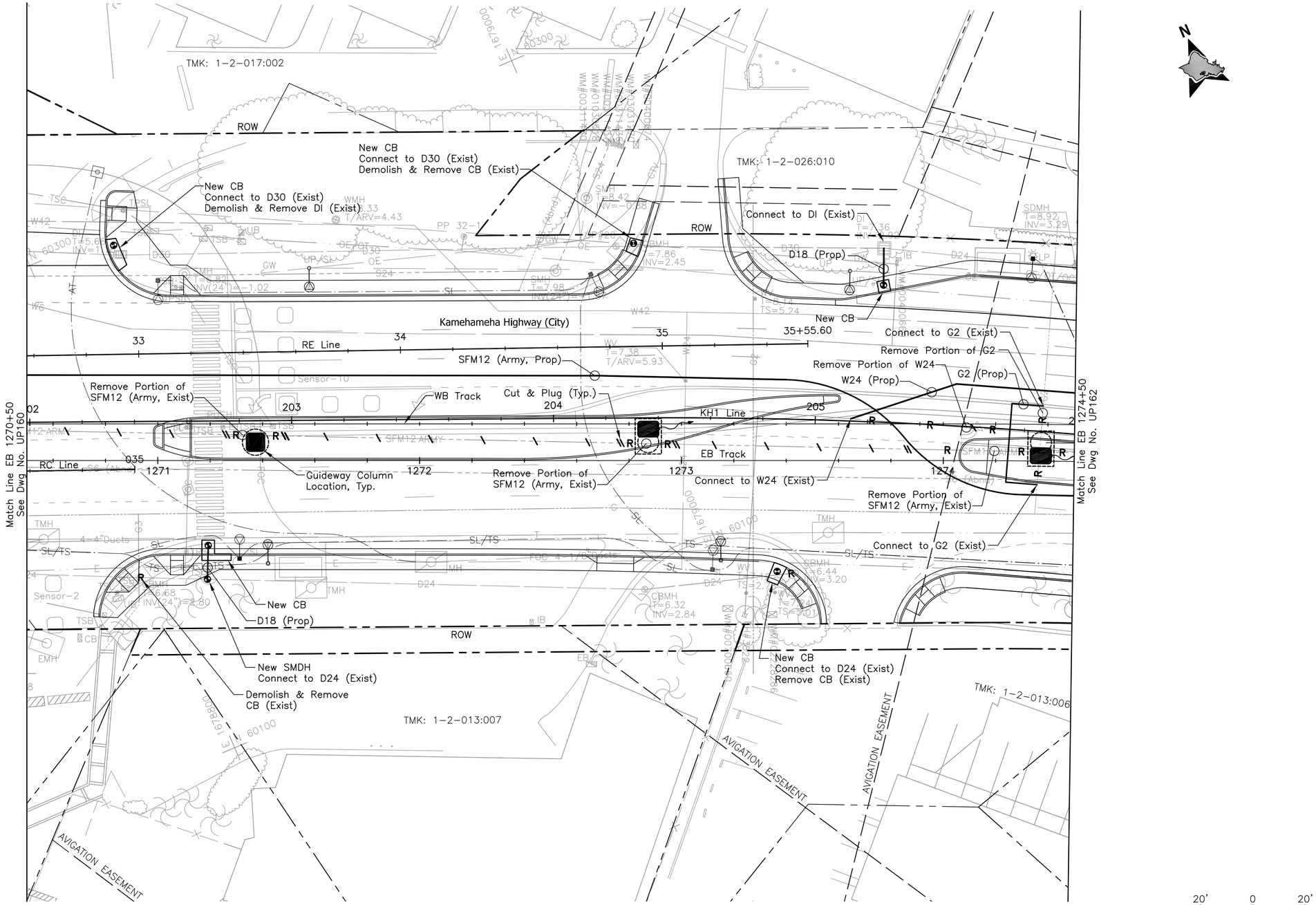

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Rev	By	Date	Description

Designed: G Tom
Drawn: D Lee
Checked: H Andrews
Approved: J Yamamoto
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: R. M. TOWILL CORPORATION
Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3470

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1270+50 TO EB 1274+50

Contract No.: SV-430
CADD File: AP-D03-UP161
Drawing No: UP161 Rev.
Scale: 1"=20'
Page No. 117 of 222

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TMK: 1-2-026: 007

TMK: 1-2-026: 006

TMK: 1-2-026: 004

TMK: 1-2-026: 003

TMK: 1-2-013:006

Demolish & Remove SDMH (Exist)
New CB

Connect to D24 (Exist)
Demolish & Remove CB (Exist)

D24 (Prop)

New SDMH
Connect to D24 (Exist)

Relocate FH

D18 (Prop)

New CB

Demolish & Remove CB (Exist)
New CB

Reconnect to D6 (Exist)

Connect to DI
(Exist)

D6 (Prop)

New CB

D24 (Prop)

Demolish & Remove
CB & D6 (Exist)

Remove Portion
of D24 (Exist)

Remove Portion
of W24 (Exist)

Remove Portion of SFM12
(Army, Exist)

Connect to W24 (Exist)

W24 (Prop)

Connect to SFM12 (Army, Exist)

SFM12 (Army, Exist)

Match Line EB 1274+50
See Dwg No. UP161

Kamehameha Highway (City)

WB Track

EB Track

KH1 Line

ROW

AVIGATION EASEMENT

AVIGATION EASEMENT

AVIGATION EASEMENT

AVIGATION EASEMENT

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3470

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
WATER, SEWER, DRAINAGE, PETROLEUM, & GAS

EB 1274+50 TO END

Contract No.: SV-430
CADD File: AP-D03-UP162
Drawing No: UP162 Rev.
Scale: 1"=20'
Page No. 118 of 222

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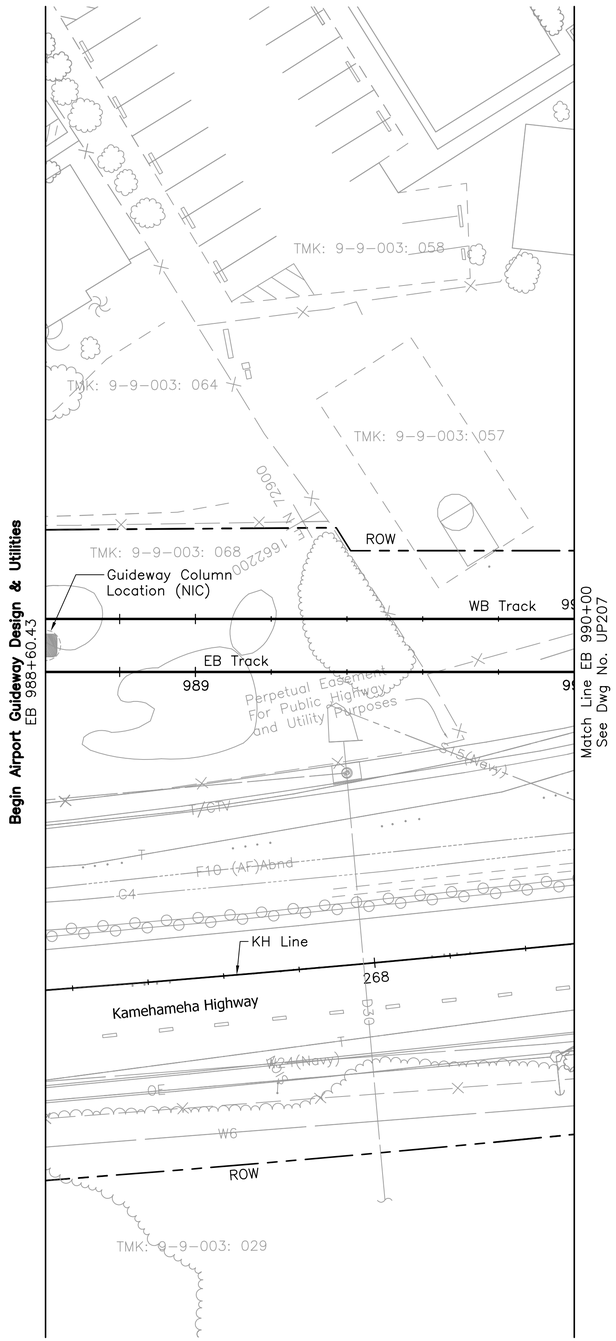

N

20' 0 20'

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Rev	By	Date	Description

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: MKengineers
286 Kalihi Street
Honolulu, Hawaii 96819
Phone: (808) 848-8622
Fax: (808) 848-5574
E-Mail: info@mkhawaii.com

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

AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 988+60.43 TO EB 990+00

Contract No.: SV-430
CADD File: AP-D03-UP206
Drawing No: UP206
Rev.
Scale: 1"=20'
Page No. 122 of 222

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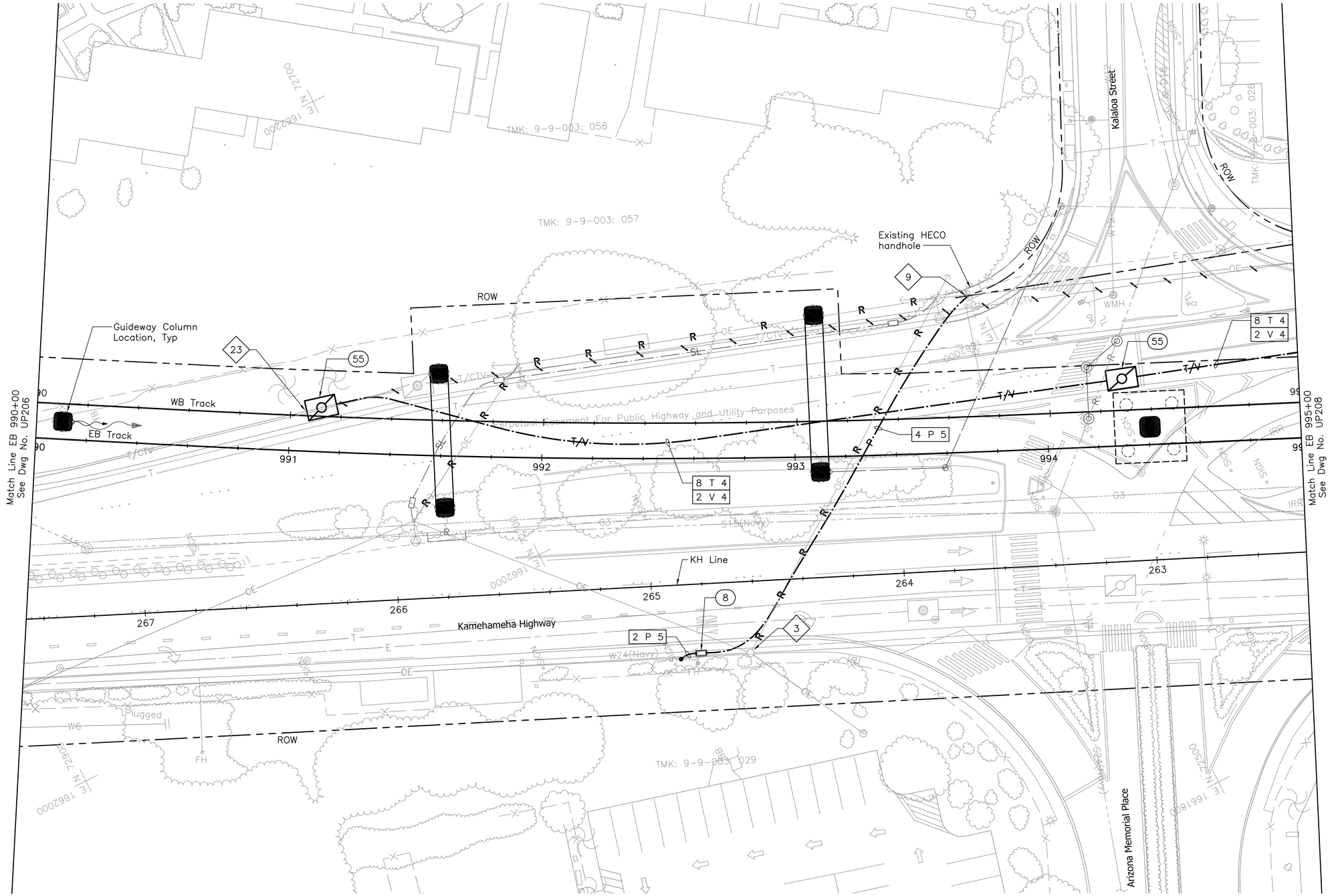

NOTES:

3 HECO will replace wood pole with self-sustaining pole.

9 Penetrate and patch existing HECO handhole.

23 Intercept existing HT/OTWC ductline with new manhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

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Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 990+00 TO EB 995+00

Contract No.: SV-430
CADD File: AP-D03-UP207
Drawing No: UP207 Rev.
Scale: 1"=20'
Page No. 123 of 222

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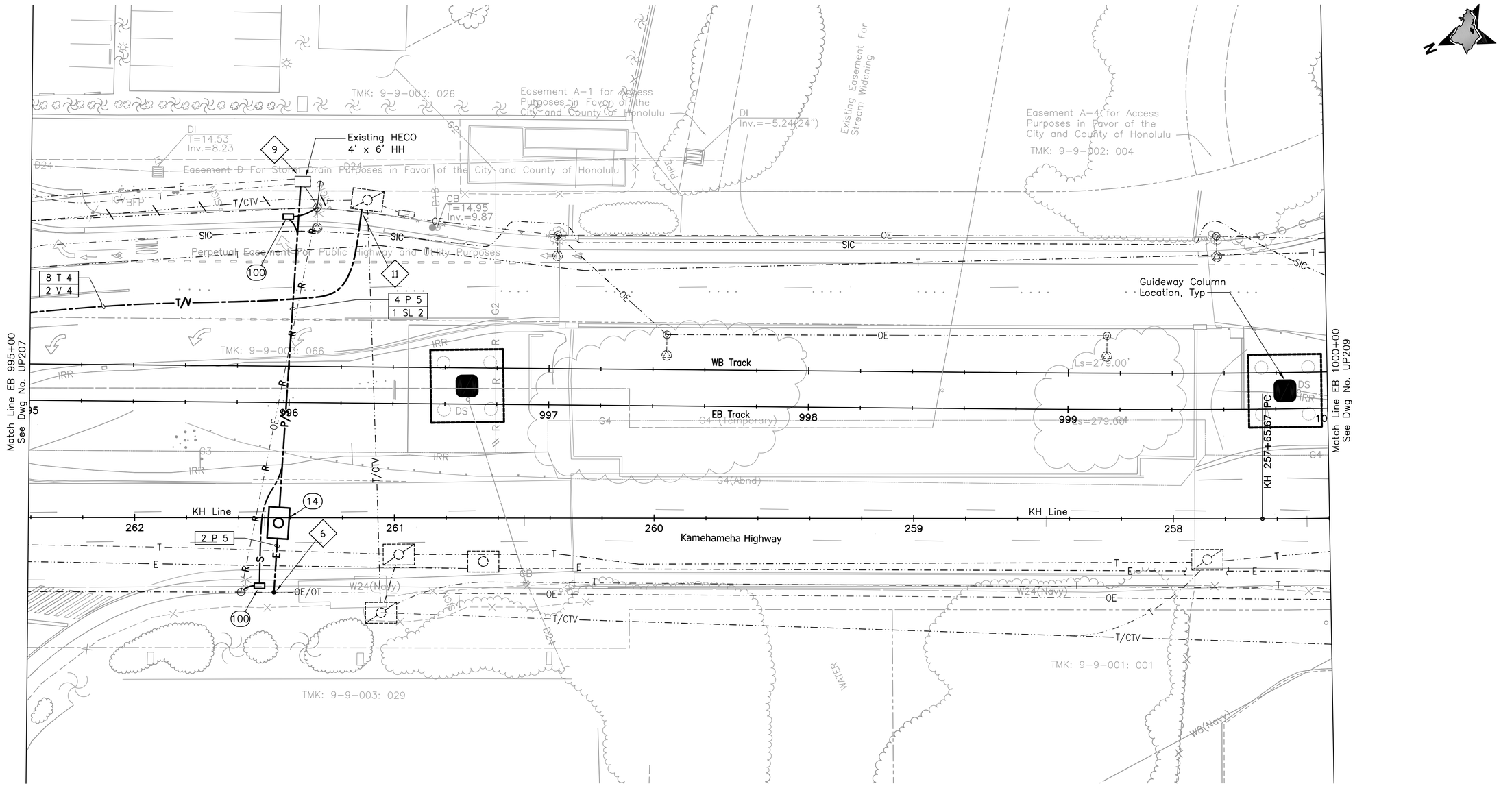

NOTES:

6 New riser utility pole by HECO.

9 Penetrate and patch existing HECO handhole.

11 Penetrate and patch existing HT manhole.

NOTE:

Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 995+00 TO EB 1000+00

Contract No.: SV-430
CADD File: AP-D03-UP208
Drawing No: UP208 Rev.
Scale: 1"=20'
Page No. 124 of 222

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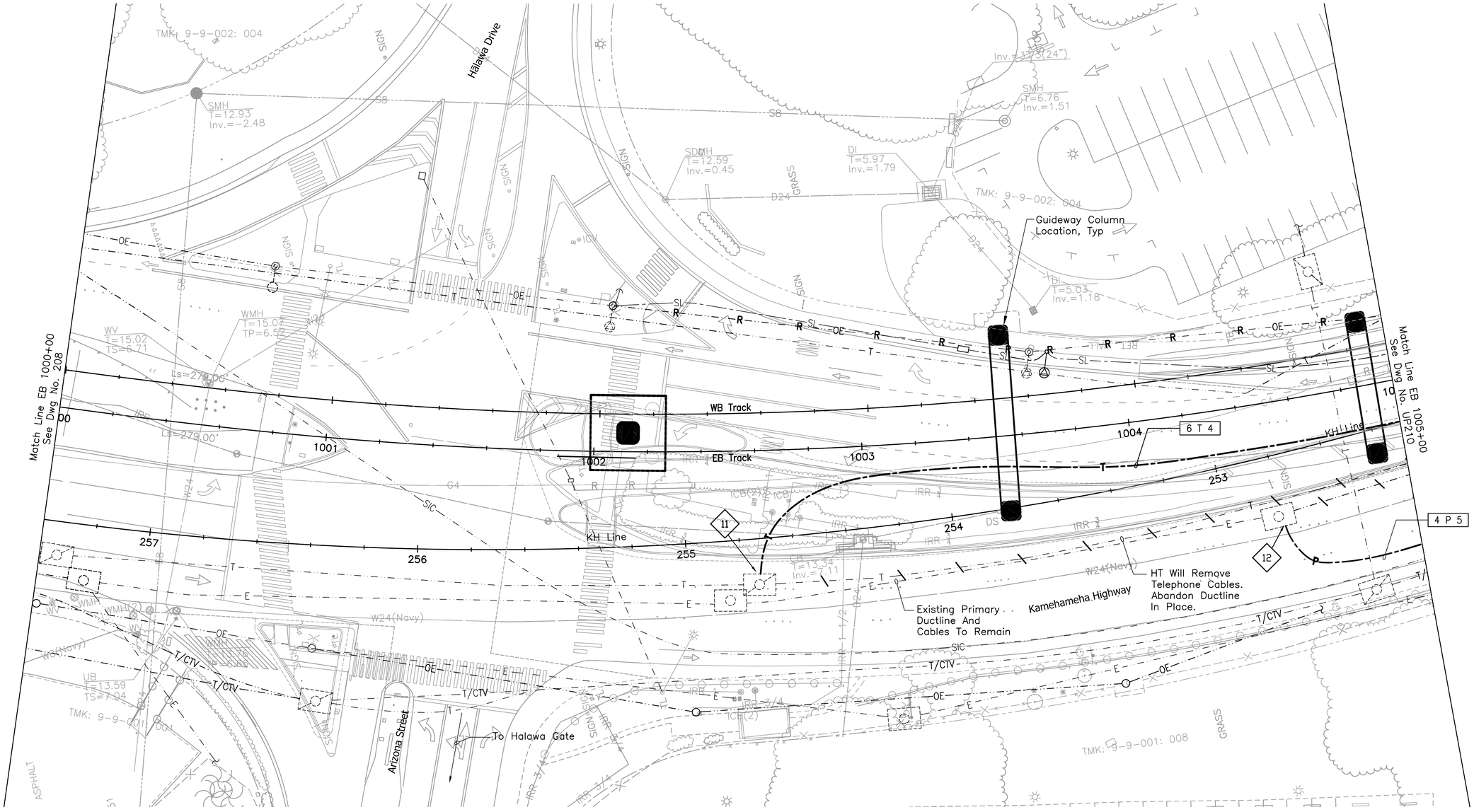

NOTES:

(11) Penetrate and patch existing HT manhole.

(12) Penetrate and patch existing Navy manhole.

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed:	T Higa
Drawn:	I Pascua
Checked:	L Nishimura
Approved:	L Nishimura
Date:	10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1000+00 TO EB 1005+00

Contract No.:	SV-430
CADD File:	AP-D03-UP209
Drawing No:	UP209
Rev.	
Scale:	1"=20'
Page No.	125 of 222

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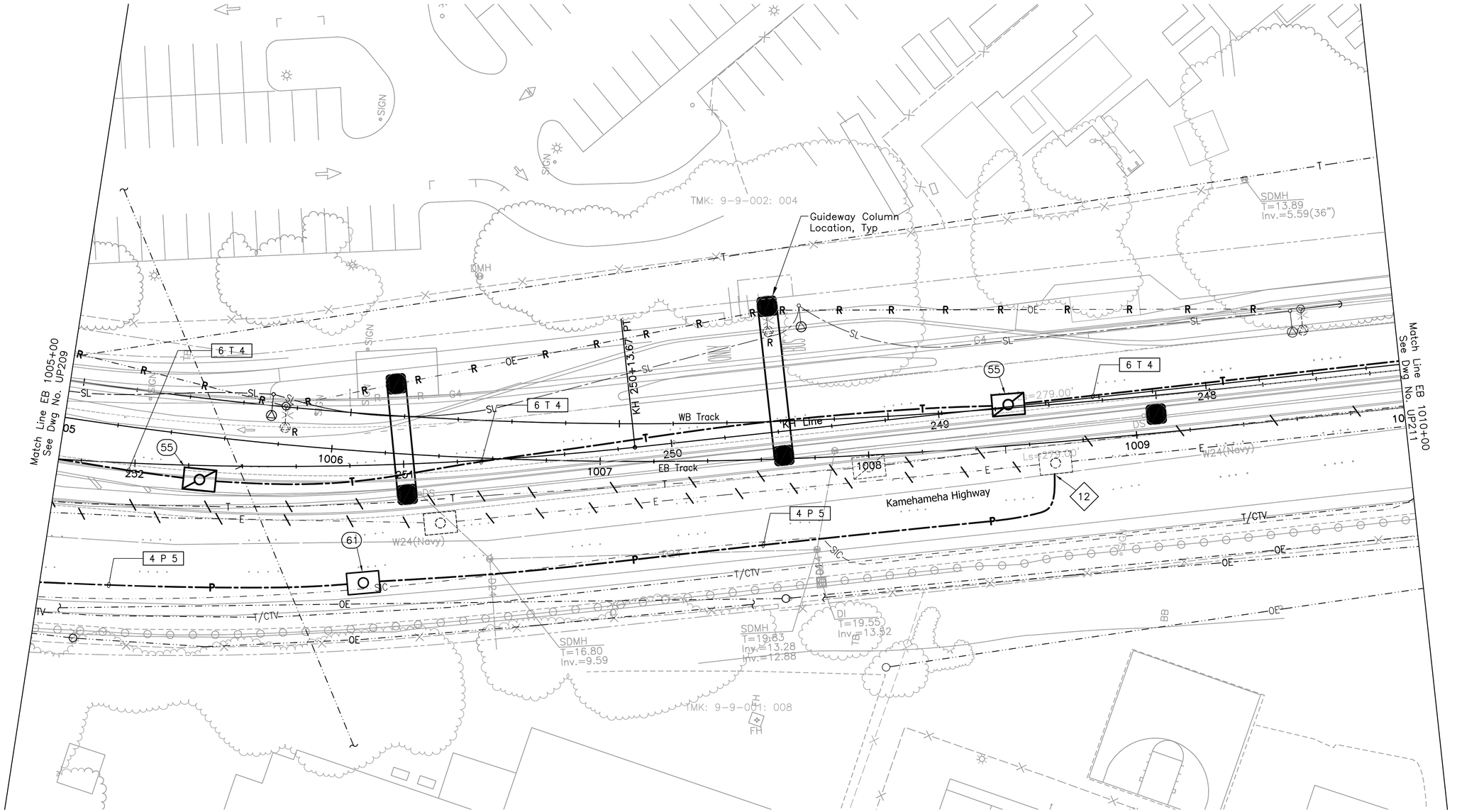

NOTES:

12 Penetrate and patch existing Navy manhole.

NOTE:

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20' 0 20'

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Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT
CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1005+00 TO EB 1010+00

Contract No.: SV-430
CADD File: AP-D03-UP210
Drawing No.: UP210 Rev.
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Page No. 126 of 222

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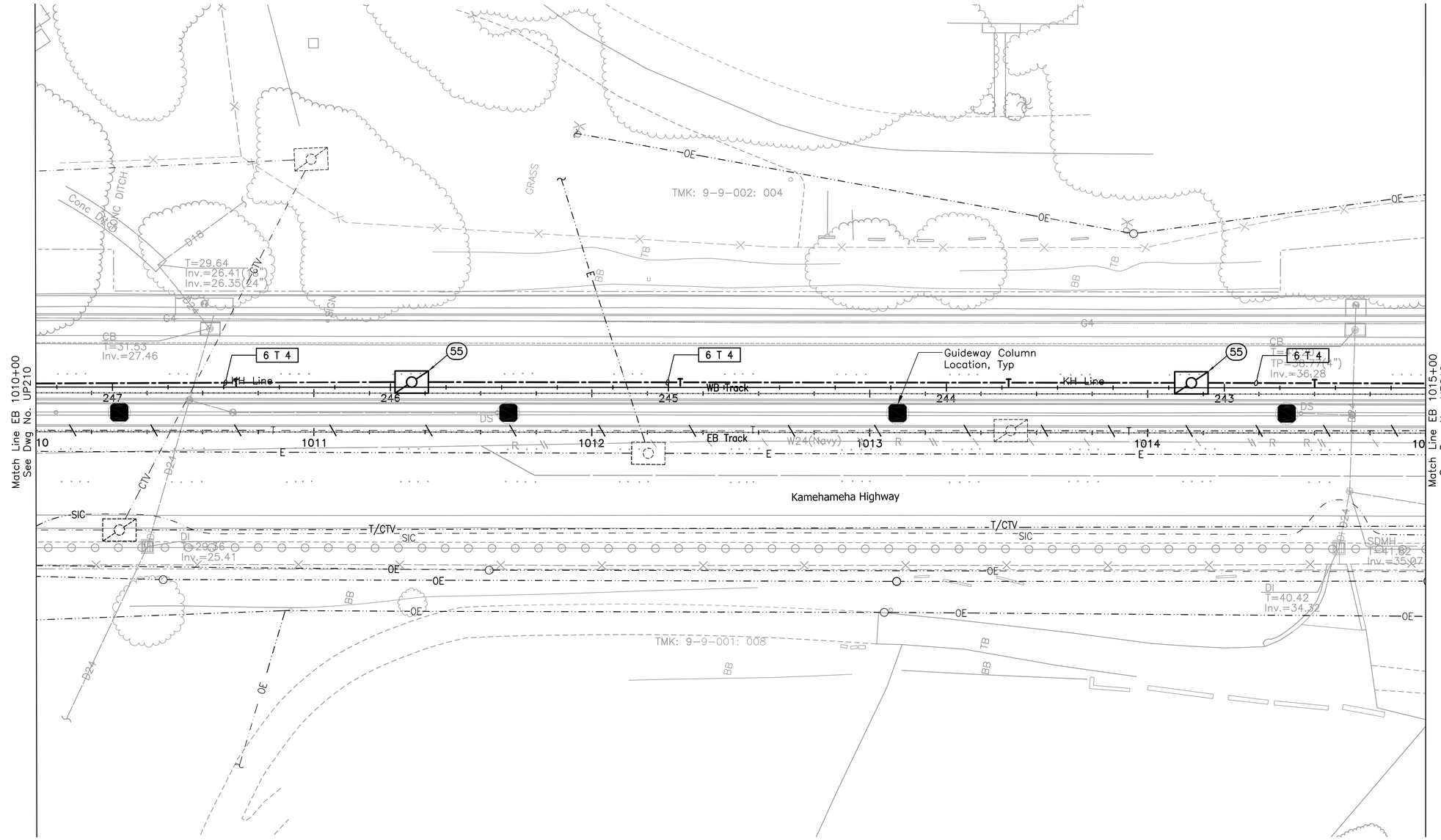

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1010+00 TO EB 1015+00

Contract No.: SV-430
CADD File: AP-D03-UP211
Drawing No.: UP211 Rev.:
Scale: 1"=20'
Page No.: 127 of 222

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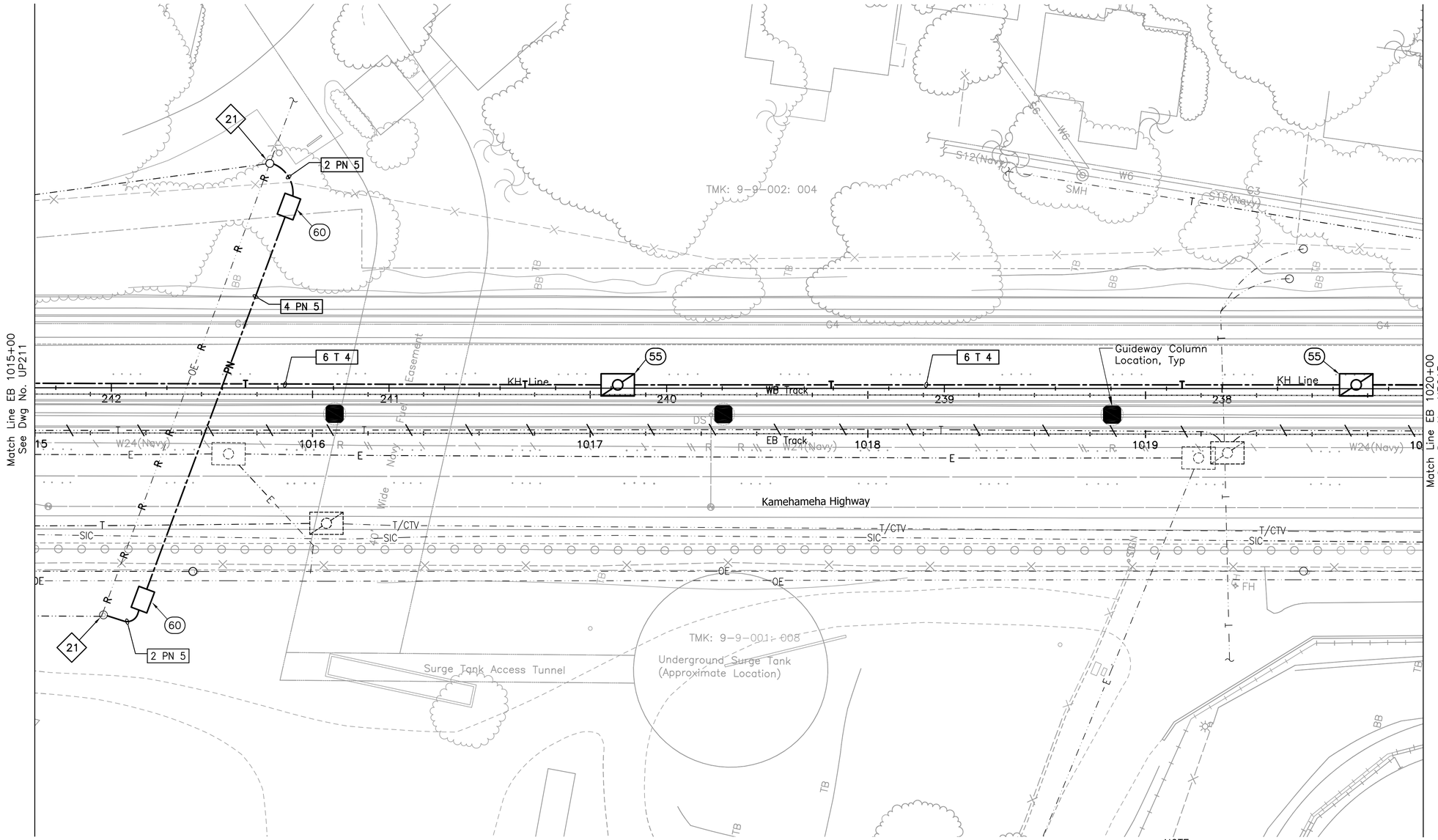

NOTES:

21 Modify/replace existing pole to provide new riser.

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1015+00 TO EB 1020+00

Contract No.: SV-430
CADD File: AP-D03-UP212
Drawing No: UP212 Rev.
Scale: 1"=20'
Page No. 128 of 222

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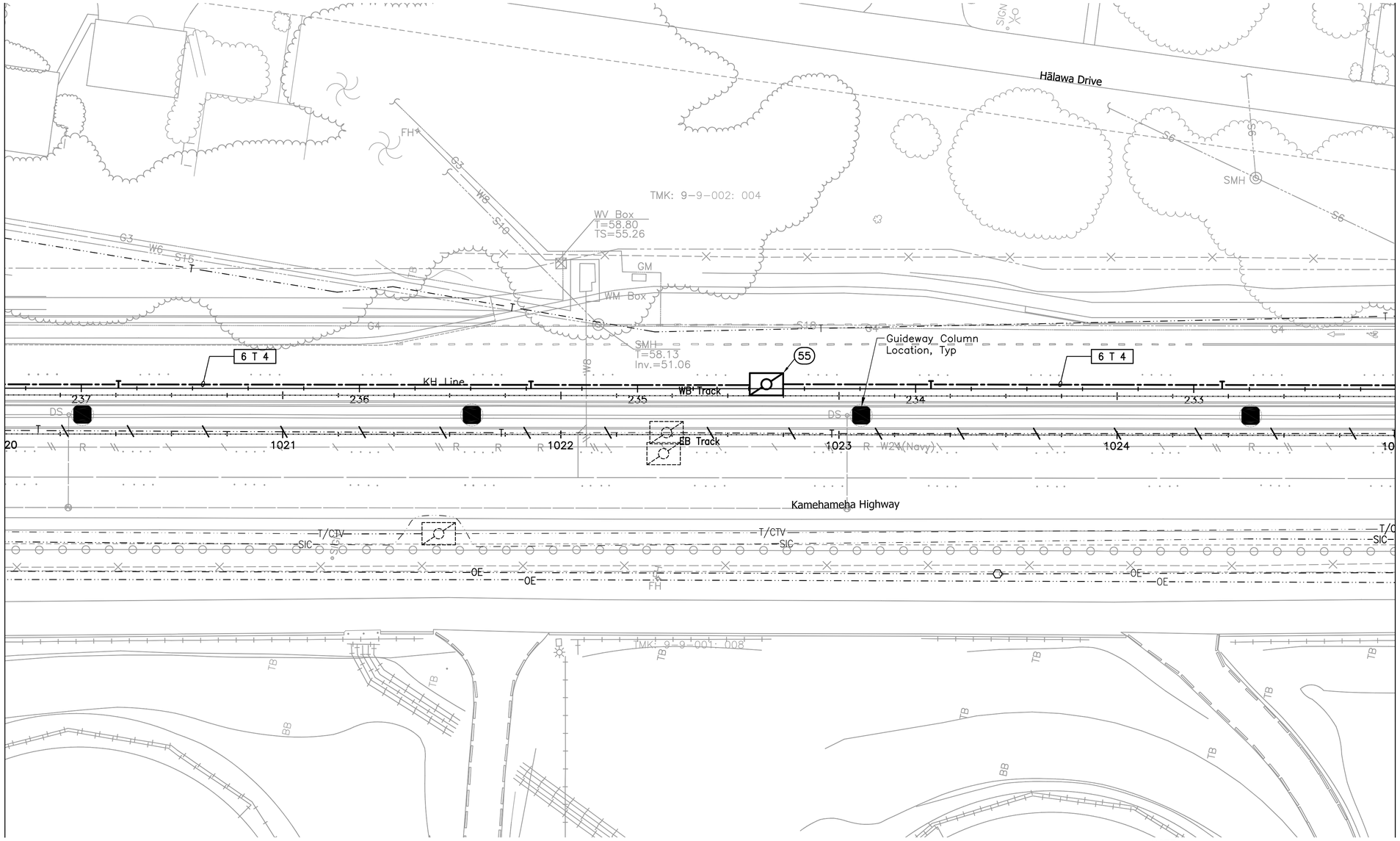

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20' 0 20'

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

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Subconsultant: ECS, INC.
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HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1020+00 TO EB 1025+00

Contract No.: SV-430
CADD File: AP-D03-UP213
Drawing No: UP213 Rev.
Scale: 1"=20'
Page No. 129 of 222

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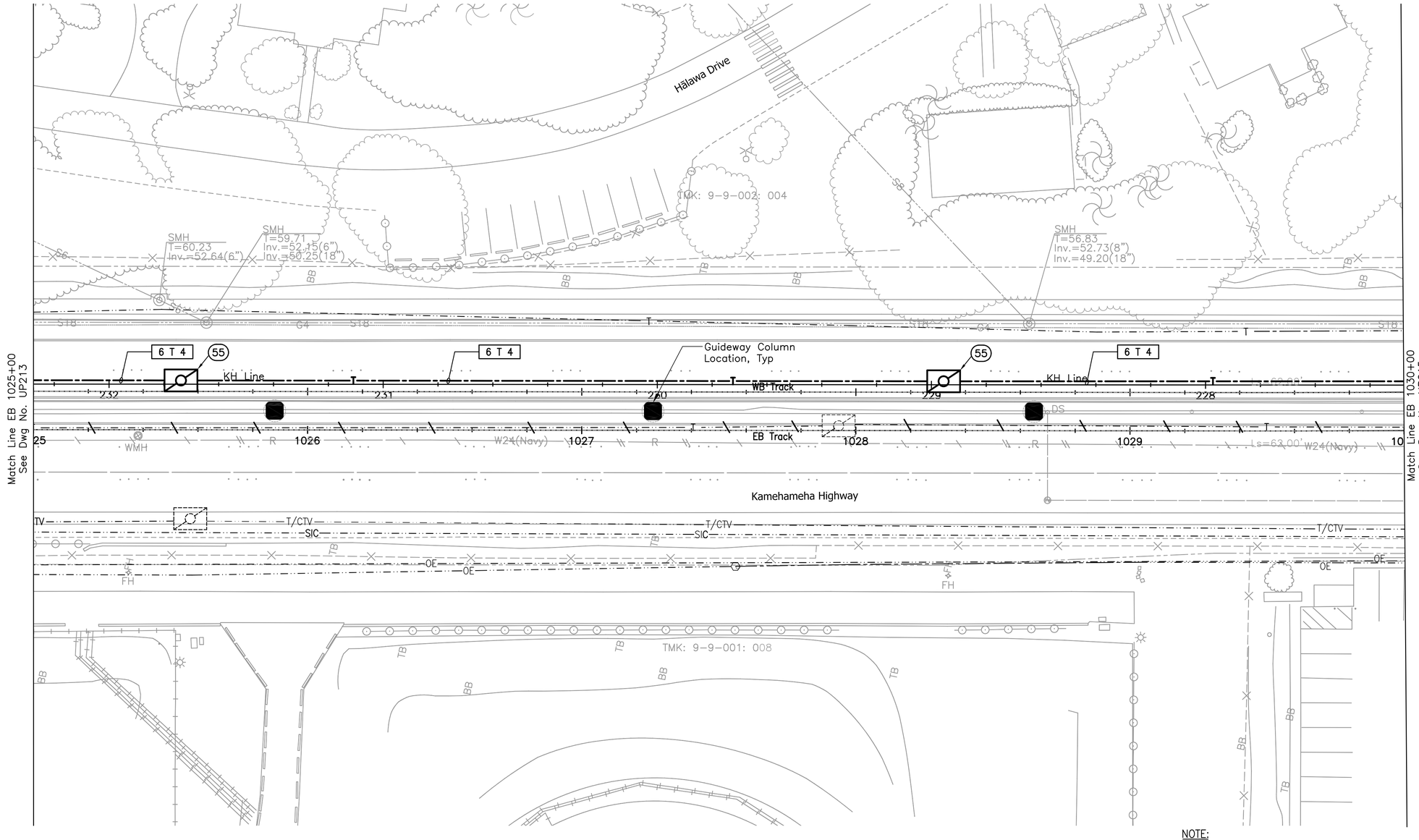

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20' 0 20'

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Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1025+00 TO EB 1030+00

Contract No.: SV-430
CADD File: AP-D03-UP214
Drawing No: UP214 Rev.
Scale: 1"=20'
Page No. 130 of 222

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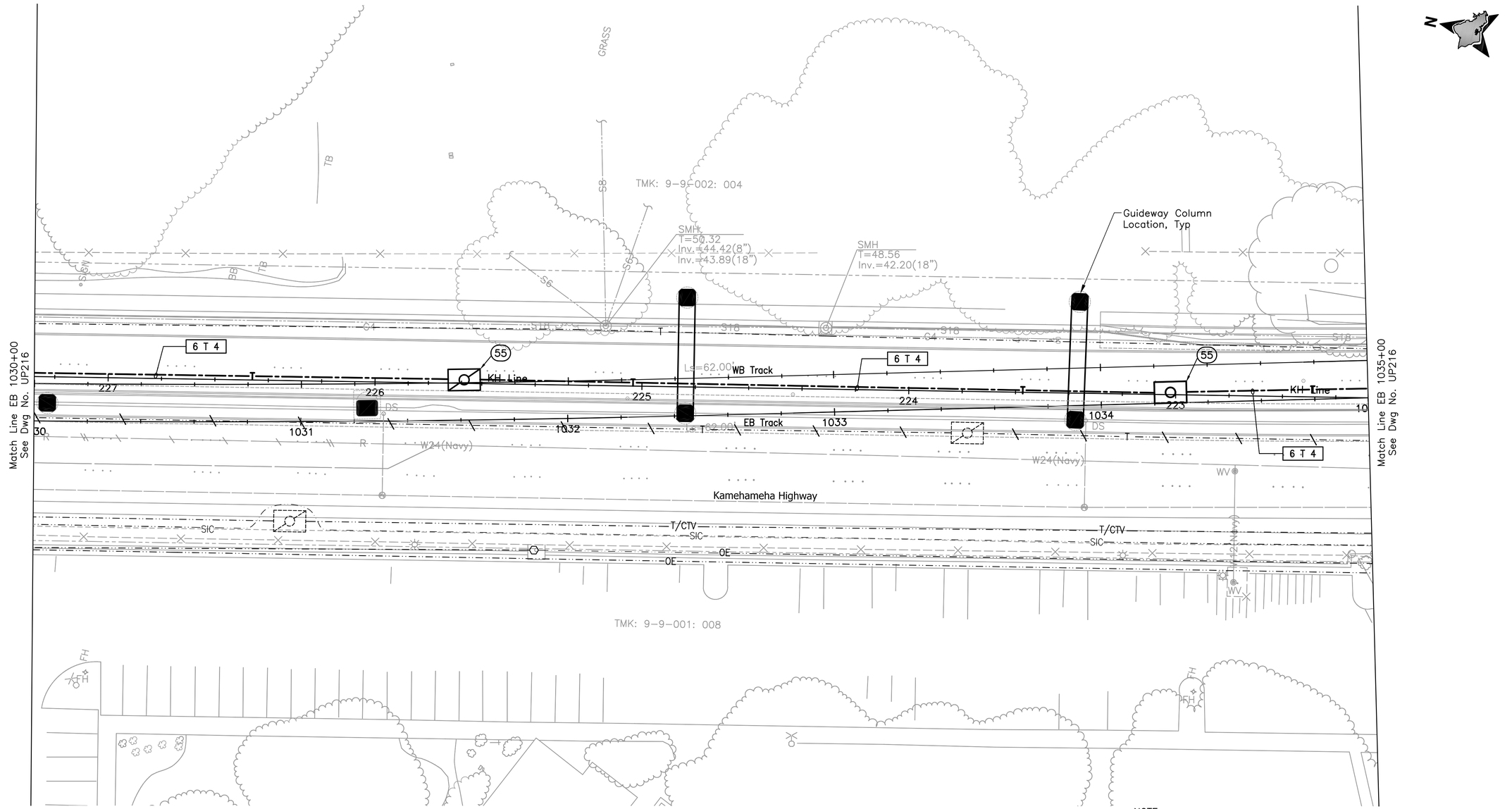

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20' 0 20'

Rev	By	Date	Description

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Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1030+00 TO EB 1035+00

Contract No.: SV-430
CADD File: AP-D03-UP215
Drawing No: UP215 Rev.
Scale: 1"=20'
Page No. 131 of 222

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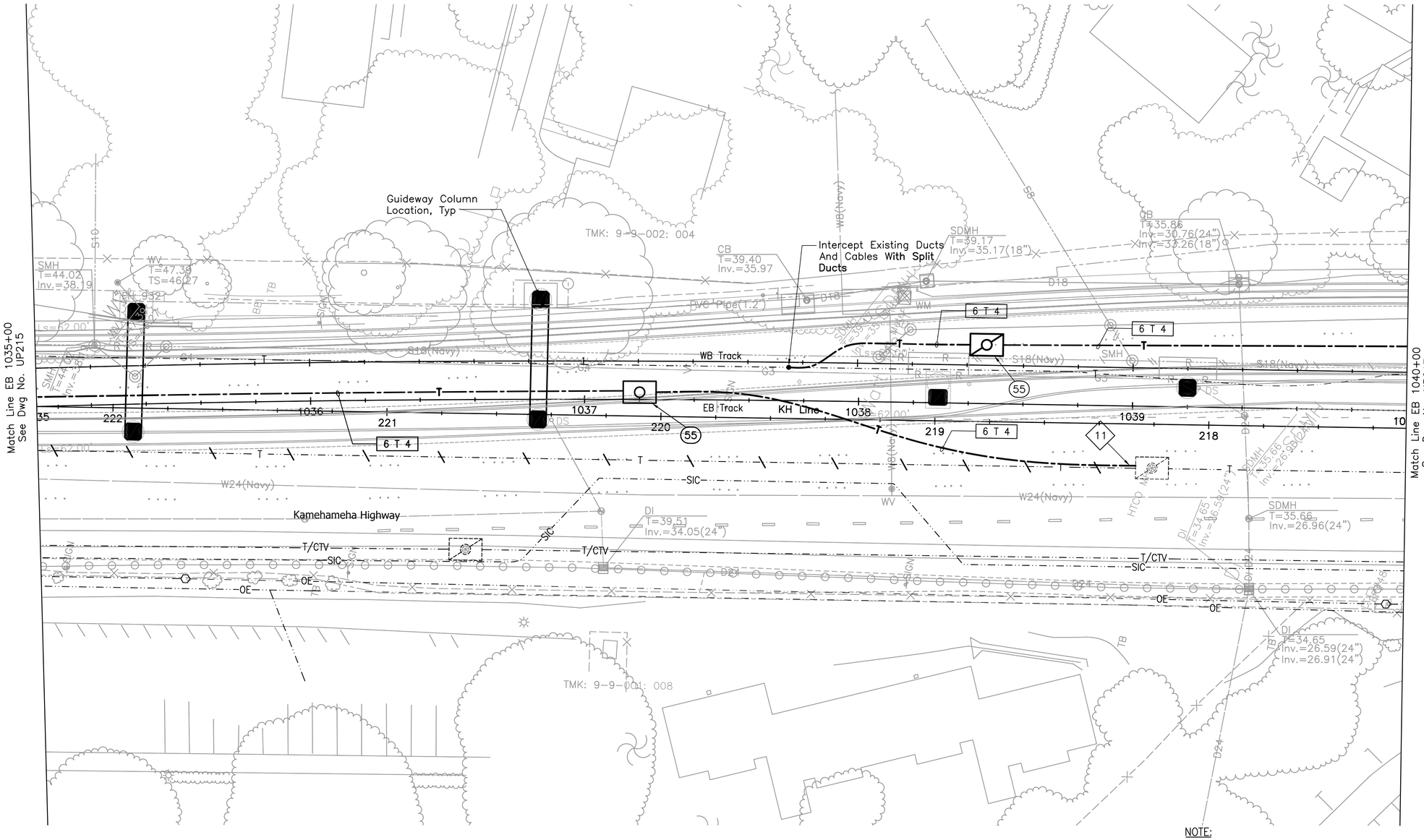

NOTES:

11 Penetrate and patch existing HT manhole.

NOTE:

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20' 0 20'

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Prime Consultant: PB PARSONS BRINCKERHOFF
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Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1035+00 TO EB 1040+00

Contract No.: SV-430
CADD File: AP-D03-UP216
Drawing No: UP216 Rev.
Scale: 1"=20'
Page No. 132 of 222

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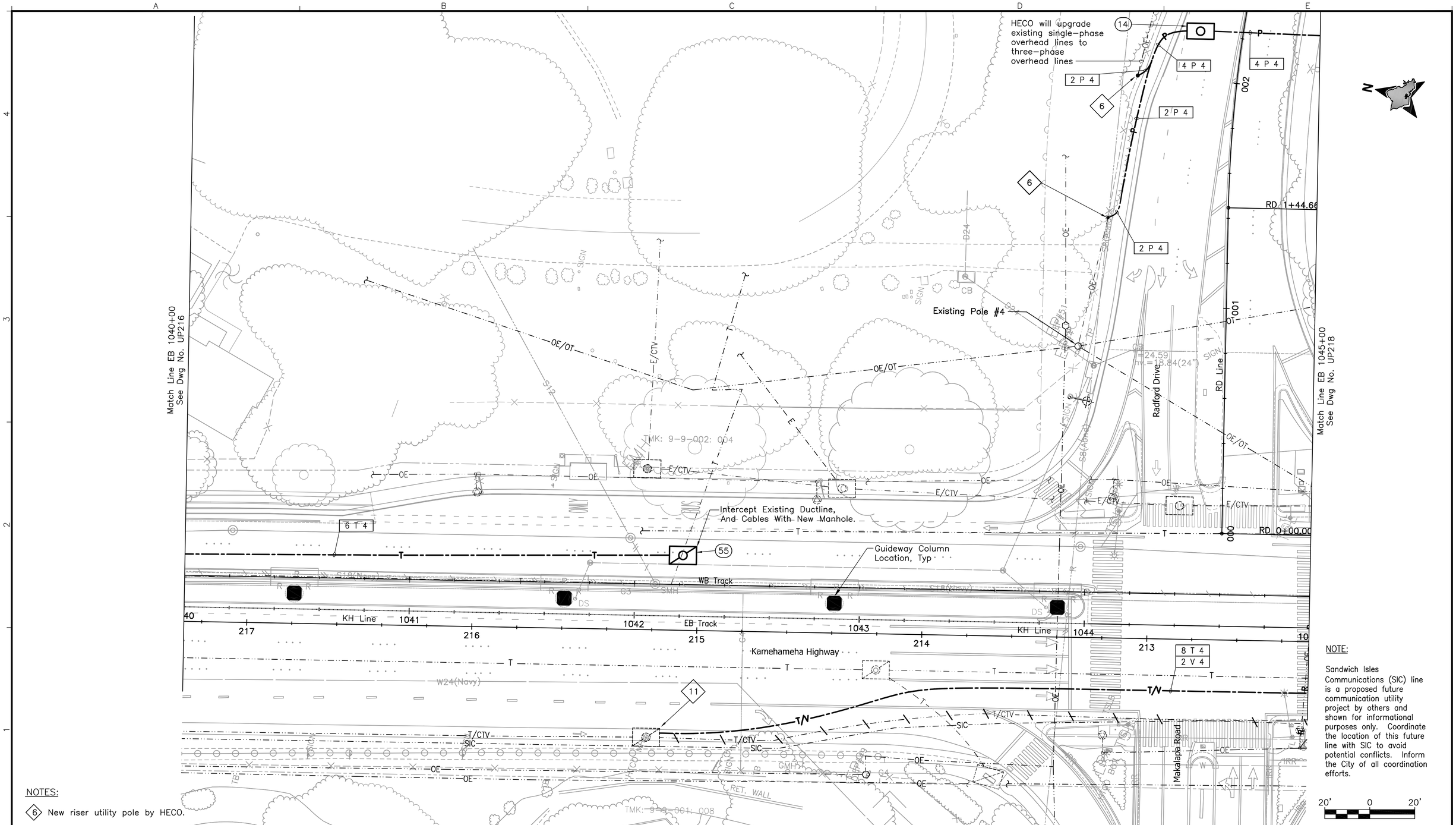

NOTE:

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NOTES:

6 New riser utility pole by HECO.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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

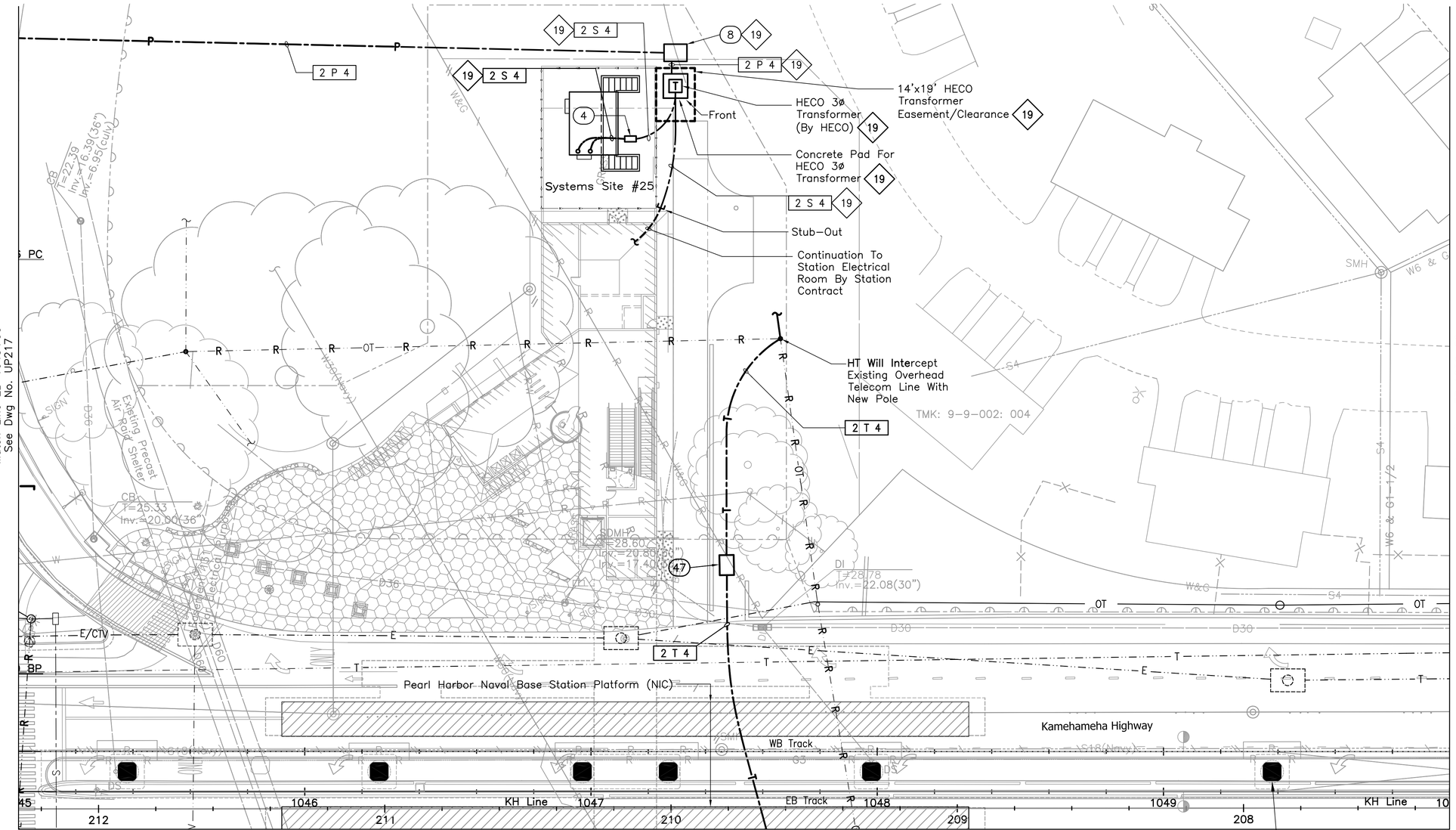
AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
ELECTRICAL & COMMUNICATIONS

EB 1040+00 TO EB 1045+00

Contract No.: SV-430
CADD File: AP-D03-UP217
Drawing No: UP217
Rev.
Scale: 1"=20'
Page No. 133 of 222

1/19/10-11:23 Y:\060\060.164\60-164 AP-D03-UP201-UP222.S01.dwg



NOTES:

19 Preliminary new HECO service design only; to be finalized by the final design.

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20' 0 20'

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Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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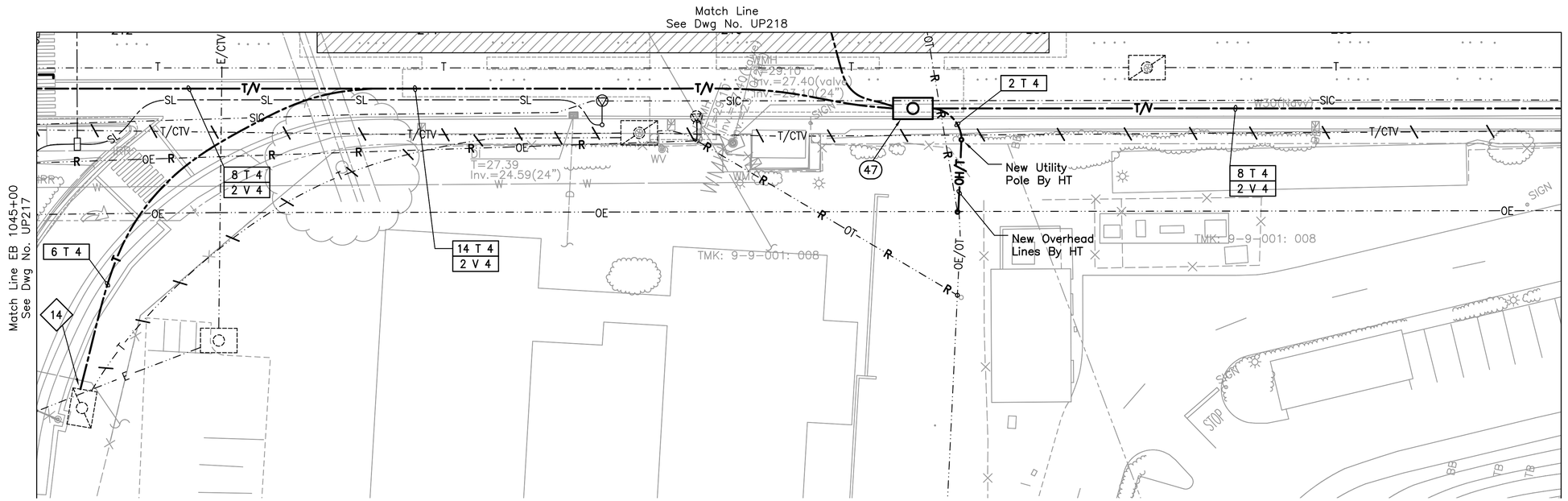
AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1045+00 TO EB 1050+00

Contract No.: SV-430
CADD File: AP-D03-UP218
Drawing No.: UP218 Rev.
Scale: 1"=20'
Page No.: 134 of 222

1/19/10-11:25 Y:\060\060.164\60-164 AP-D03-UP201-UP222.S01.dwg



NOTES:

◇4 Penetrate and patch existing HT/OTWC manhole.

NOTE:

Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

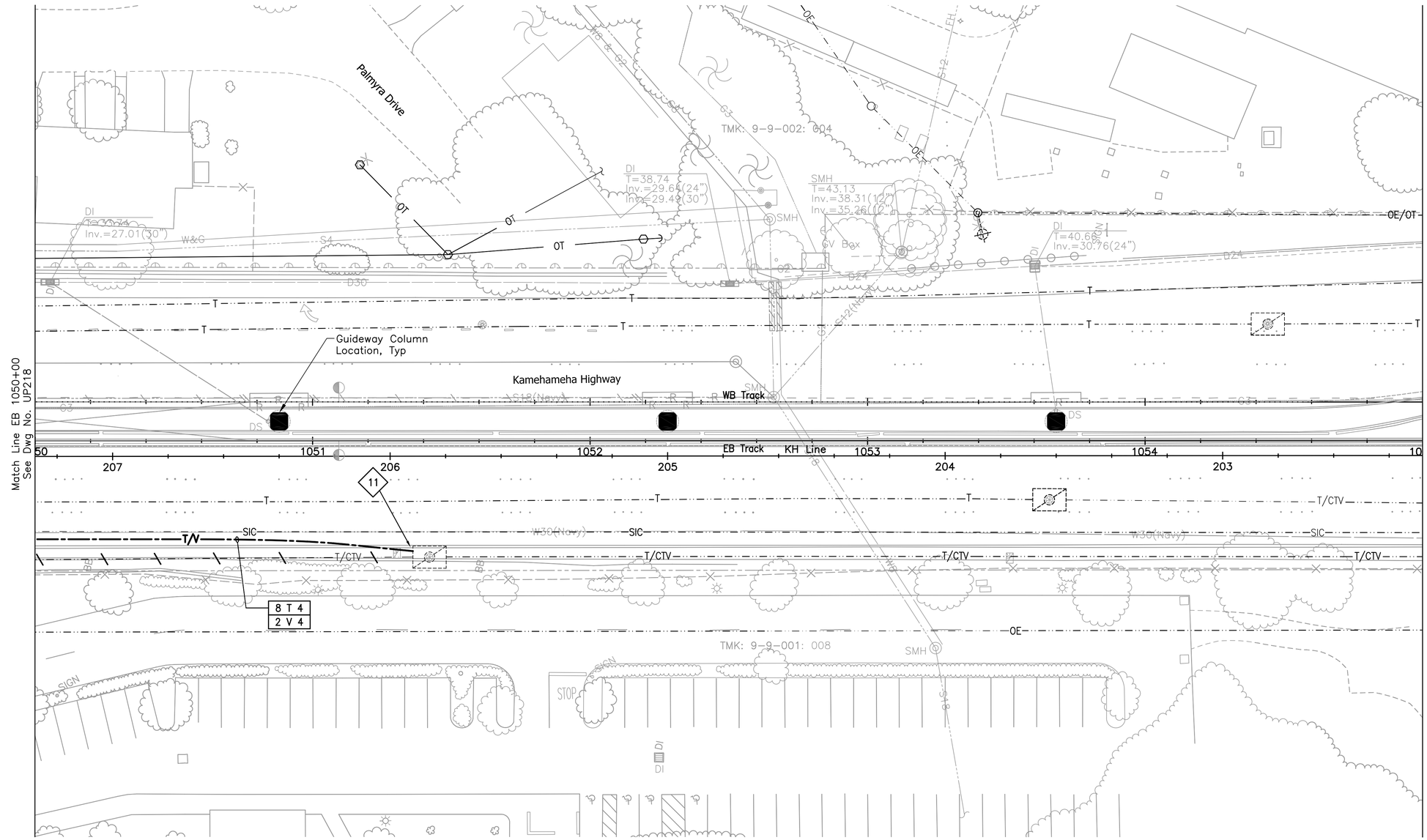
For reduced prints, original page size in inches: 0 1 2 3 4

AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

Contract No.: SV-430
CADD File: AP-D03-UP218A
Drawing No.: UP218A
Rev.:
Scale: 1"=20'
Page No.: 135 of 222

1/19/10-11:26 Y:\060\060.164\60-164 AP-D03-UP201-UP222.S01.dwg



NOTES:

11 Penetrate and patch existing HT manhole.

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20' 0 20'

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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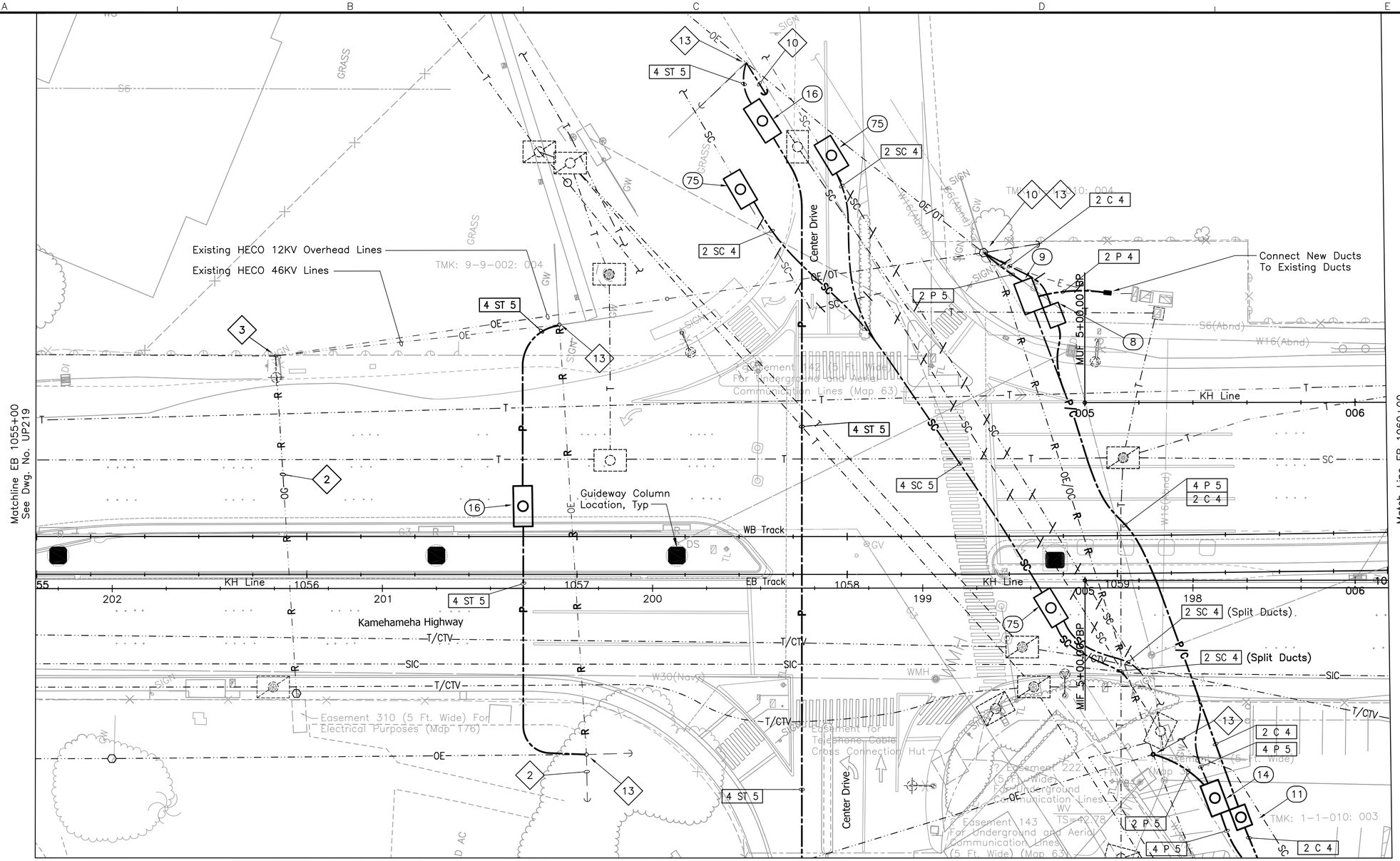
AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1050+00 TO EB 1055+00

Contract No.: SV-430
CADD File: AP-D03-UP219
Drawing No: UP219 Rev.
Scale: 1"=20'
Page No. 136 of 222

1/19/10-11:27 Y:\060\060.164\60-164 AP-D03-UP201-UP222.S01.dwg



NOTES:

2. HECO will remove guy–wire.
3. HECO will replace wood pole with self–sustaining pole.
10. HECO will provide anchor and guy–wire.
13. HECO will modify/replace existing pole to provide new riser.

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20' 0 20'

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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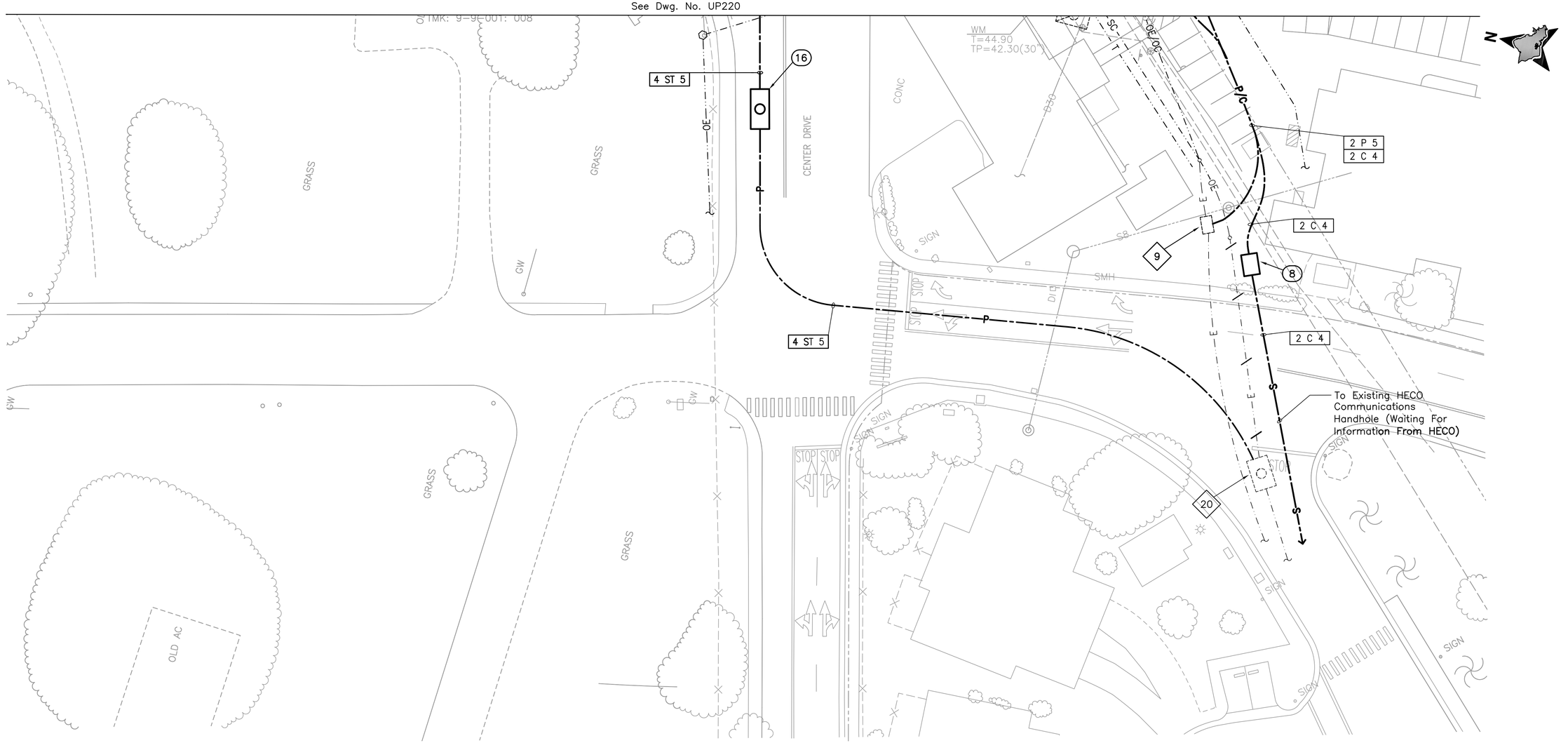
AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1055+00 TO EB 1060+00

Contract No.: SV–430
CADD File: AP–D03–UP220
Drawing No.: UP220 Rev.
Scale: 1"=20'
Page No.: 137 of 222

1/19/10–11:28 Y:\060\060.164\60–164 AP–D03–UP201–UP222.S01.dwg



NOTES:

9 Penetrate and patch existing HECO handhole.

20 Penetrate and patch existing HECO manhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

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

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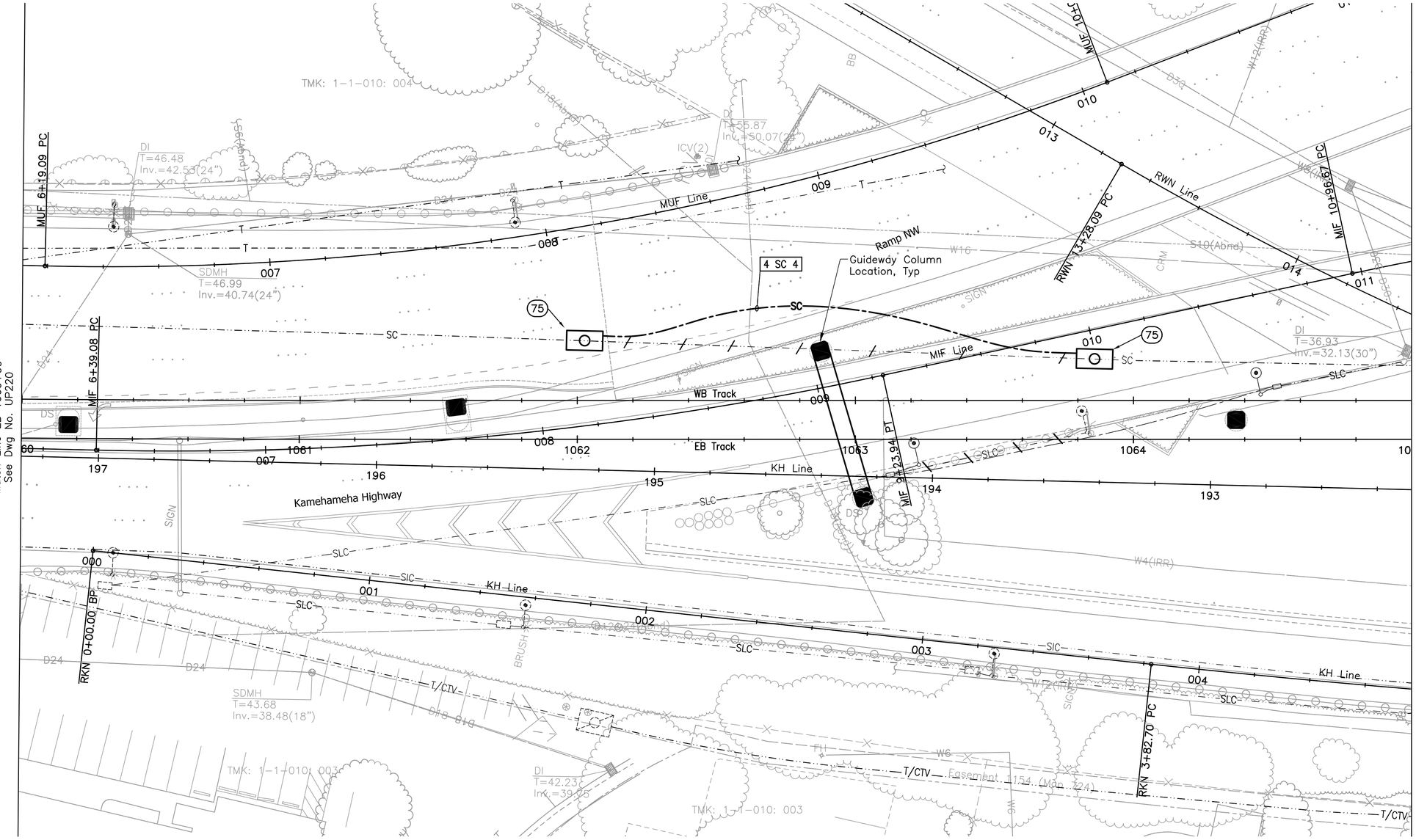
AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
ELECTRICAL & COMMUNICATIONS

Contract No.: SV-430
CADD File: AP-D03-UP220A
Drawing No: UP220A
Rev.
Scale: 1"=20'
Page No. 138 of 222

1/19/10-11:29 Y:\060\060.164\60-164 AP-D03-UP201-UP222.S01.dwg



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

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HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1060+00 TO EB 1065+00

Contract No.: SV-430
CADD File: AP-D03-UP221
Drawing No: UP221 Rev.
Scale: 1"=20'
Page No. 139 of 222

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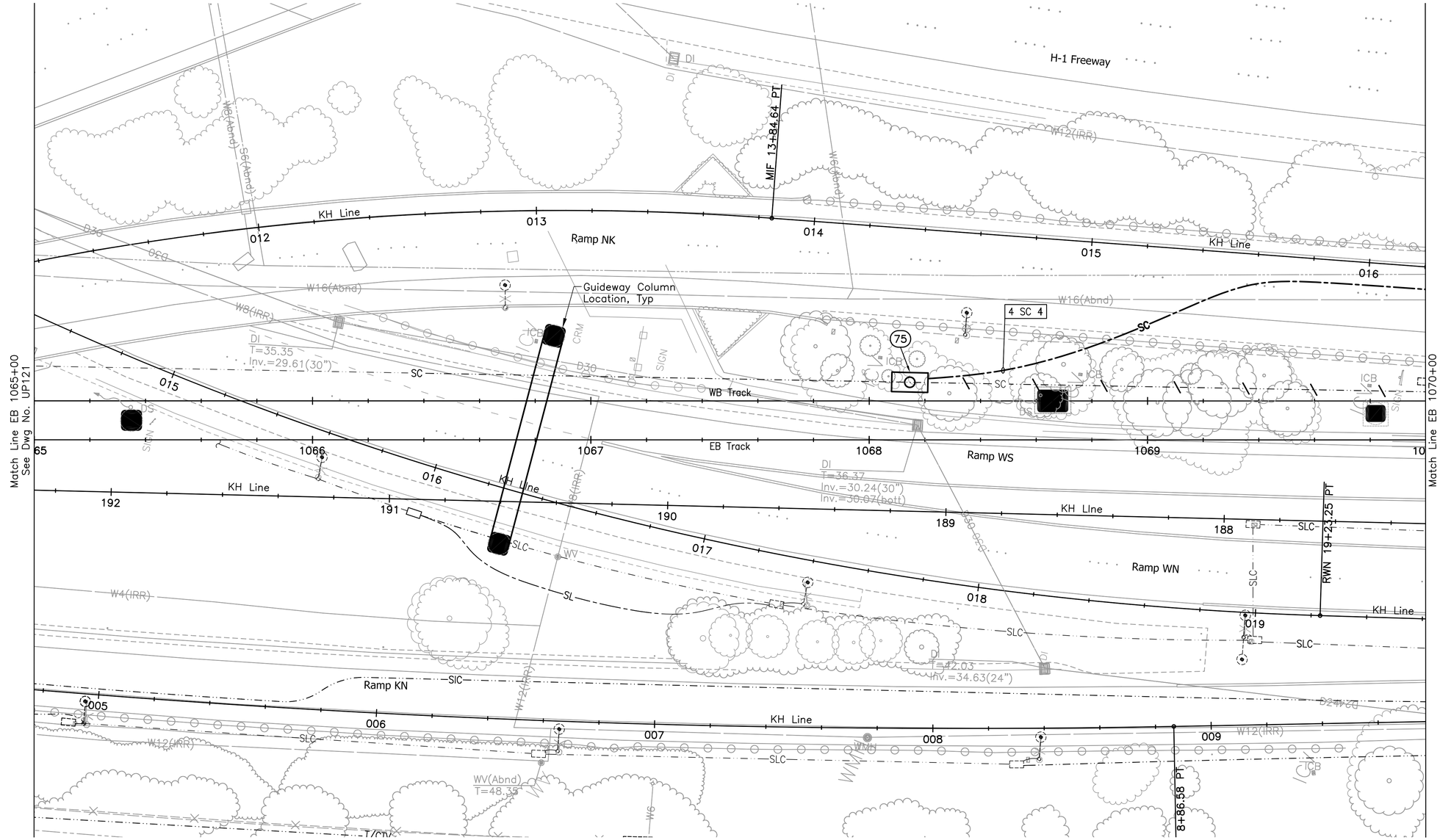

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CITY & COUNTY OF HONOLULU - DEPARTMENT OF TRANSPORTATION SERVICES - RAPID TRANSIT DIVISION

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1065+00 TO EB 1070+00

Contract No.: SV-430
CADD File: AP-D03-UP222
Drawing No: UP222 Rev.
Scale: 1"=20'
Page No. 140 of 222

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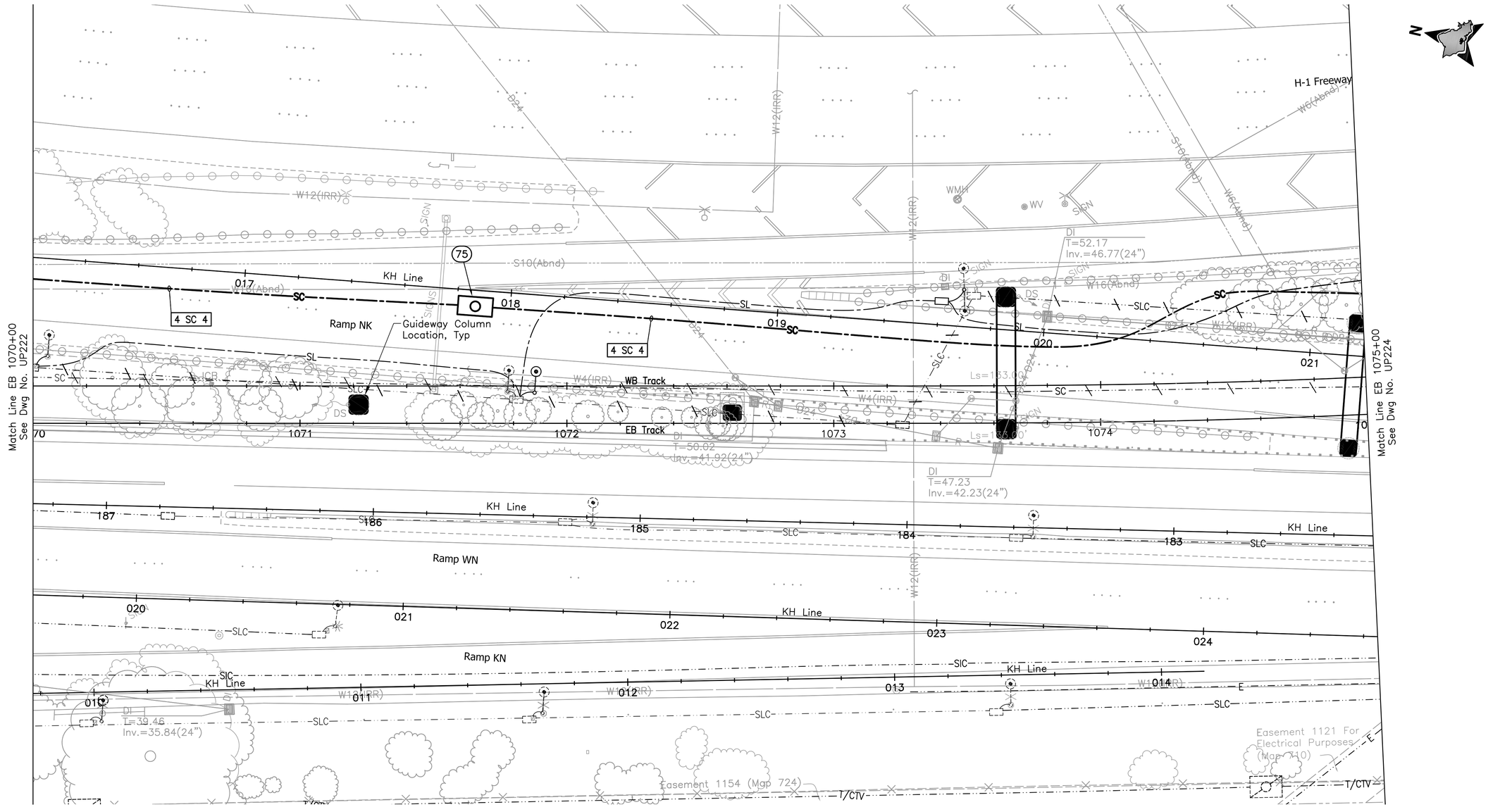

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
ELECTRICAL & COMMUNICATIONS

EB 1070+00 TO EB 1075+00

Contract No.: SV-430
CADD File: AP-D03-UP223
Drawing No: UP223 Rev.
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Page No. 141 of 222

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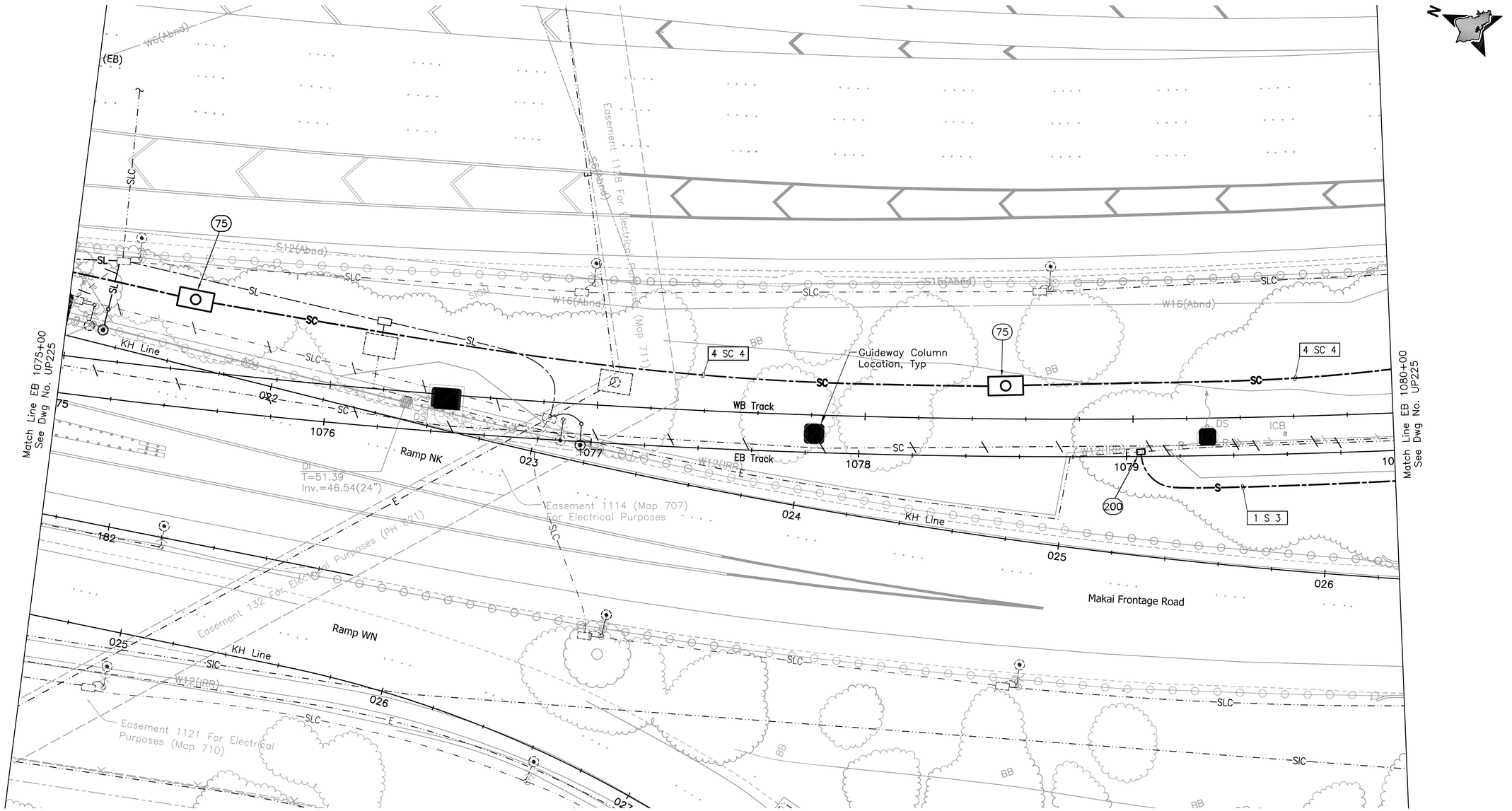

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Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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

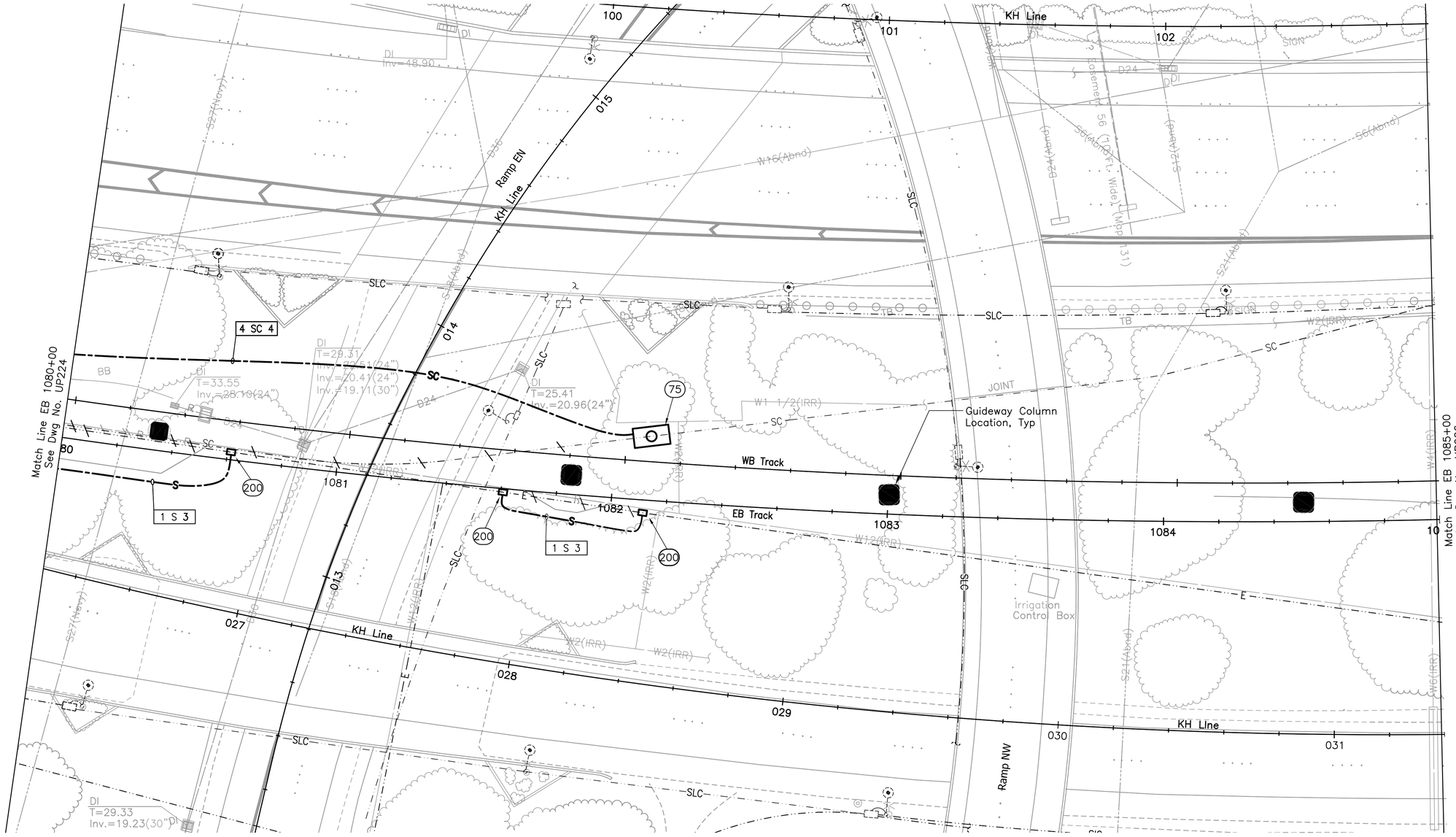
AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
ELECTRICAL & COMMUNICATIONS

EB 1075+00 TO EB 1080+00

Contract No.: SV-430
CADD File: AP-D03-UP224
Drawing No.: UP224 Rev.
Scale: 1"=20'
Page No. 142 of 222

1/19/10-11:32 Y:\060\060.164\60-164 AP-D03-UP223-END.dwg



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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1080+00 TO EB 1085+00

Contract No.: SV-430
CADD File: AP-D03-UP225
Drawing No: UP225 Rev.
Scale: 1"=20'
Page No. 143 of 222

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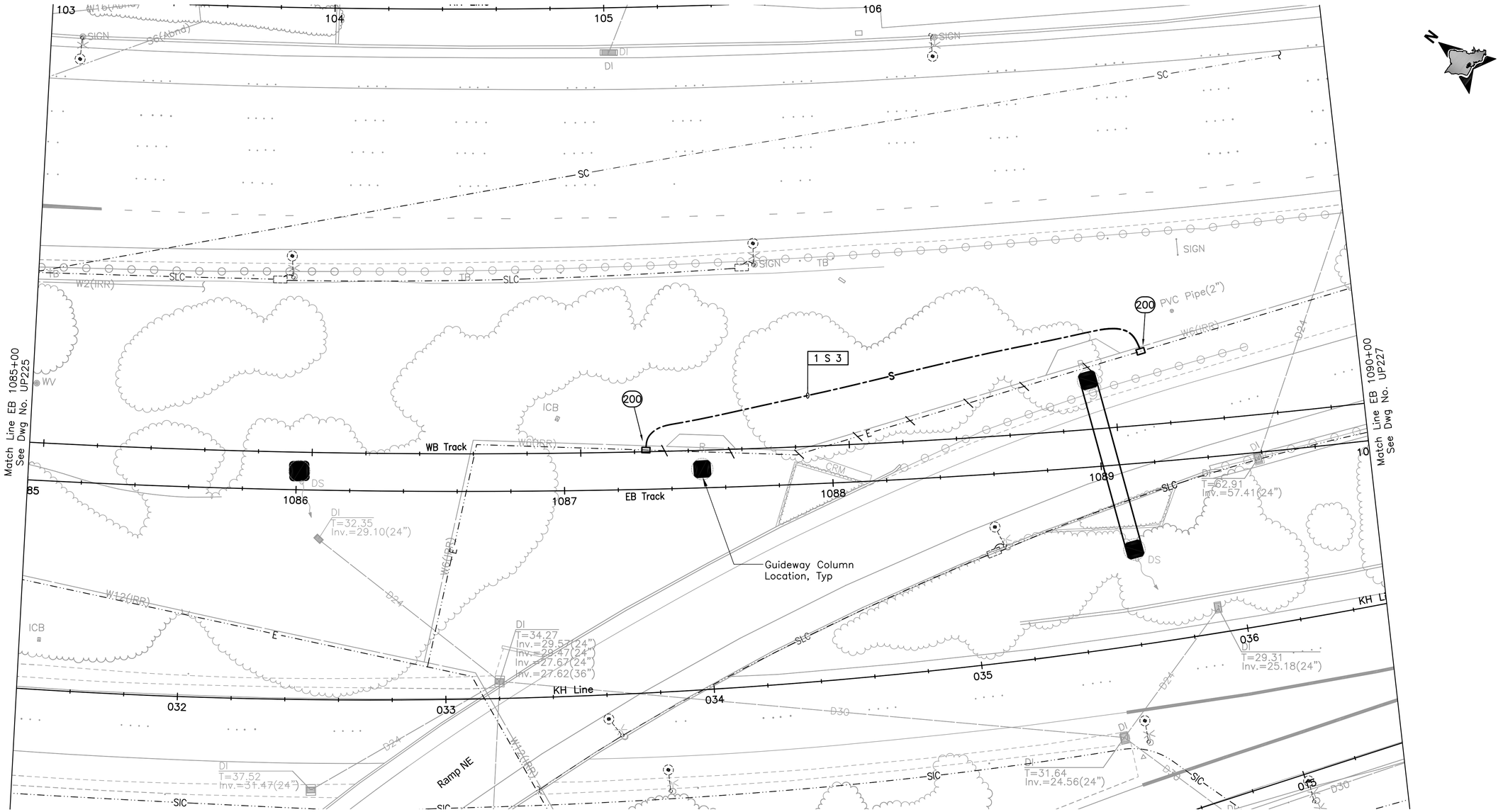

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Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant:
ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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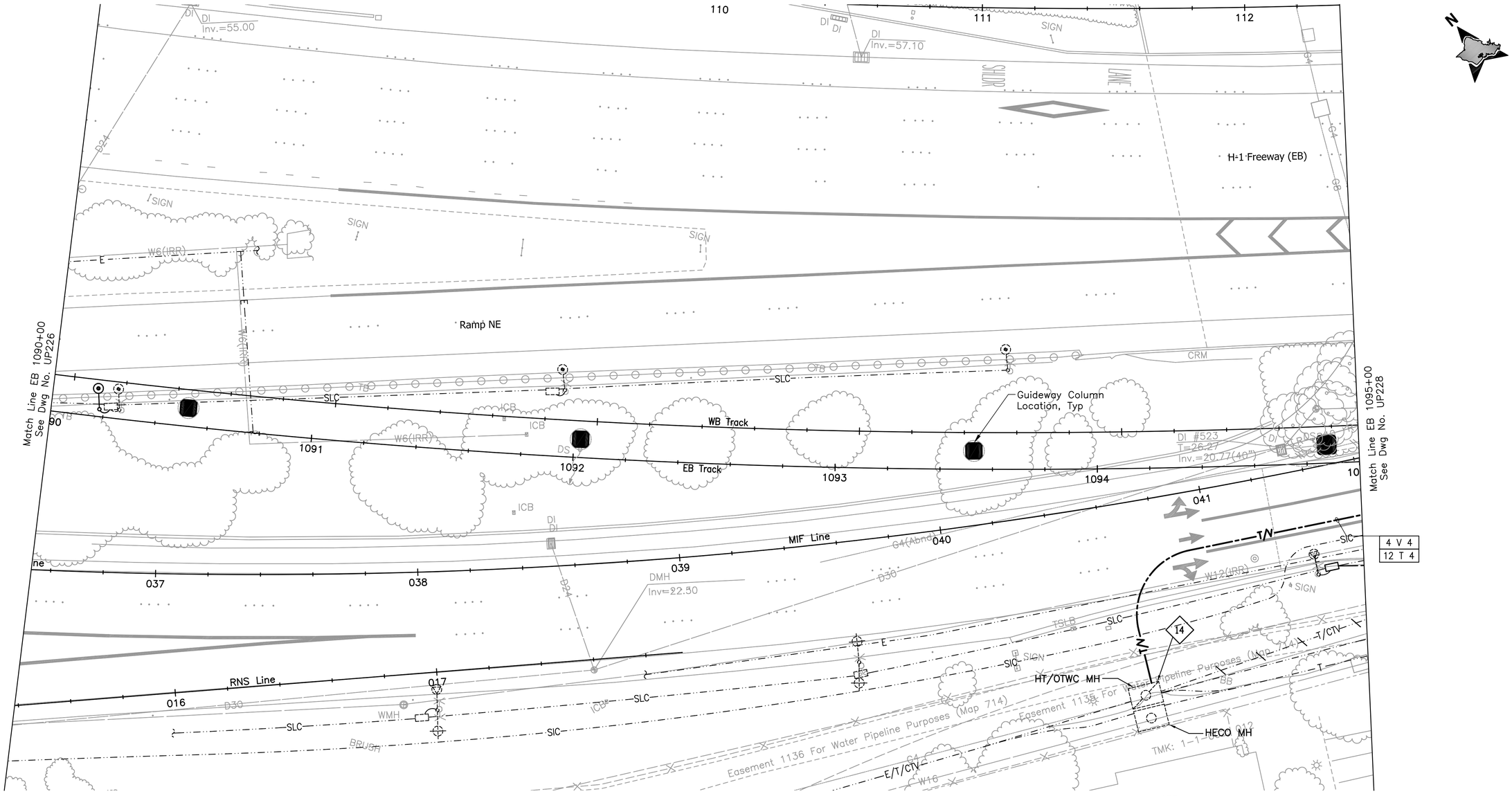
AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1085+00 TO EB 1090+00

Contract No.: SV-430
CADD File: AP-D03-UP226
Drawing No: UP226 Rev.
Scale: 1"=20'
Page No. 144 of 222

1/19/10-11:34 Y:\060\060.164\60-164 AP-D03-UP223-END.dwg



NOTES:

(I4) Penetrate and patch existing HT/OTWC manhole.

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

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

Subconsultant: ECS, INC.
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HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1090+00 TO EB 1095+00

Contract No.: SV-430
CADD File: AP-D03-UP227
Drawing No.: UP227 Rev.:
Scale: 1"=20'
Page No.: 145 of 222

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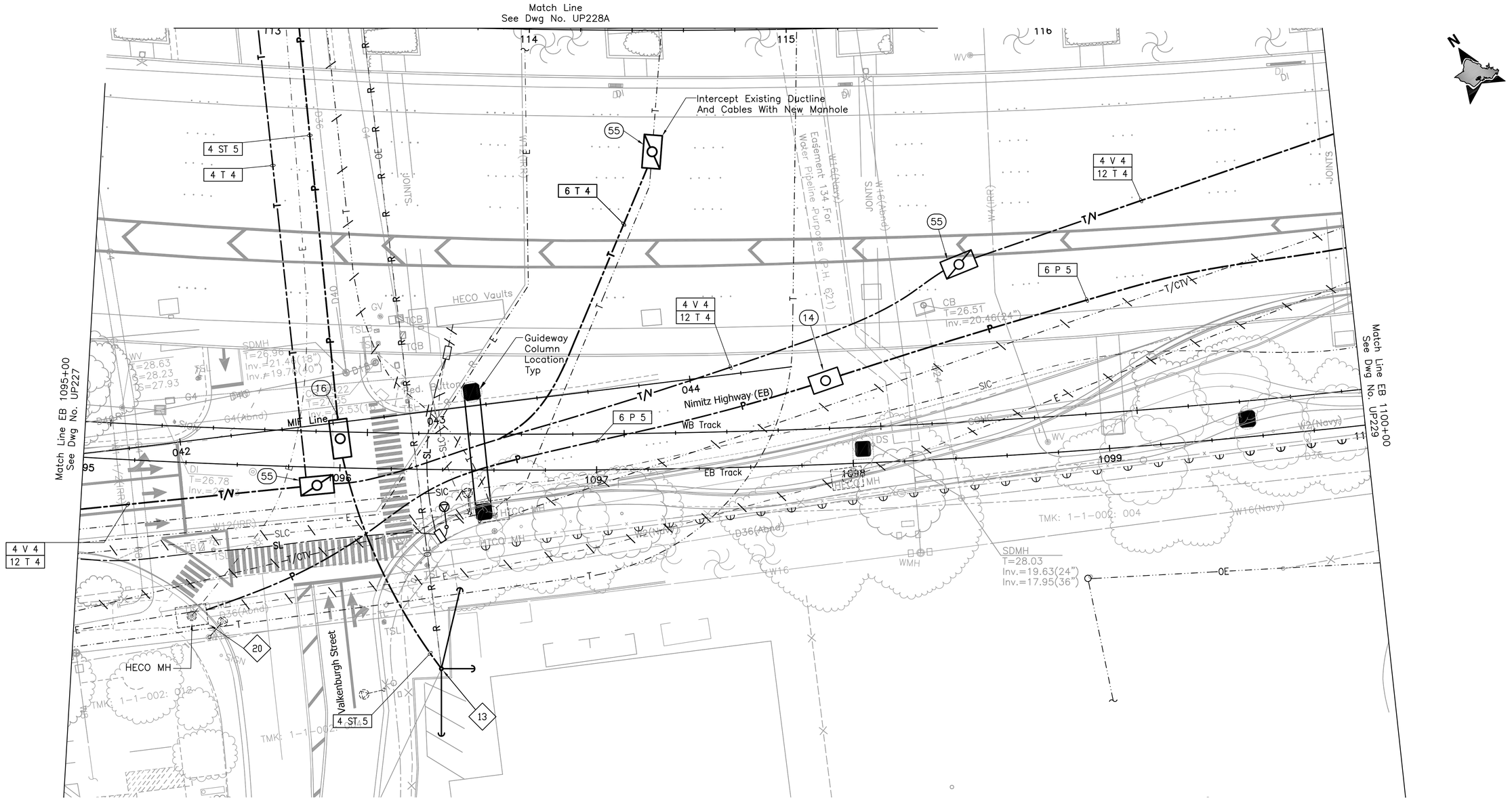

NOTES:

13 HECO will modify/replace existing pole to provide new riser.

20 Penetrate and patch existing HECO manhole.

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1095+00 TO EB 1100+00

Contract No.: SV-430
CADD File: AP-D03-UP228
Drawing No.: UP228 Rev.
Scale: 1"=20'
Page No.: 146 of 222

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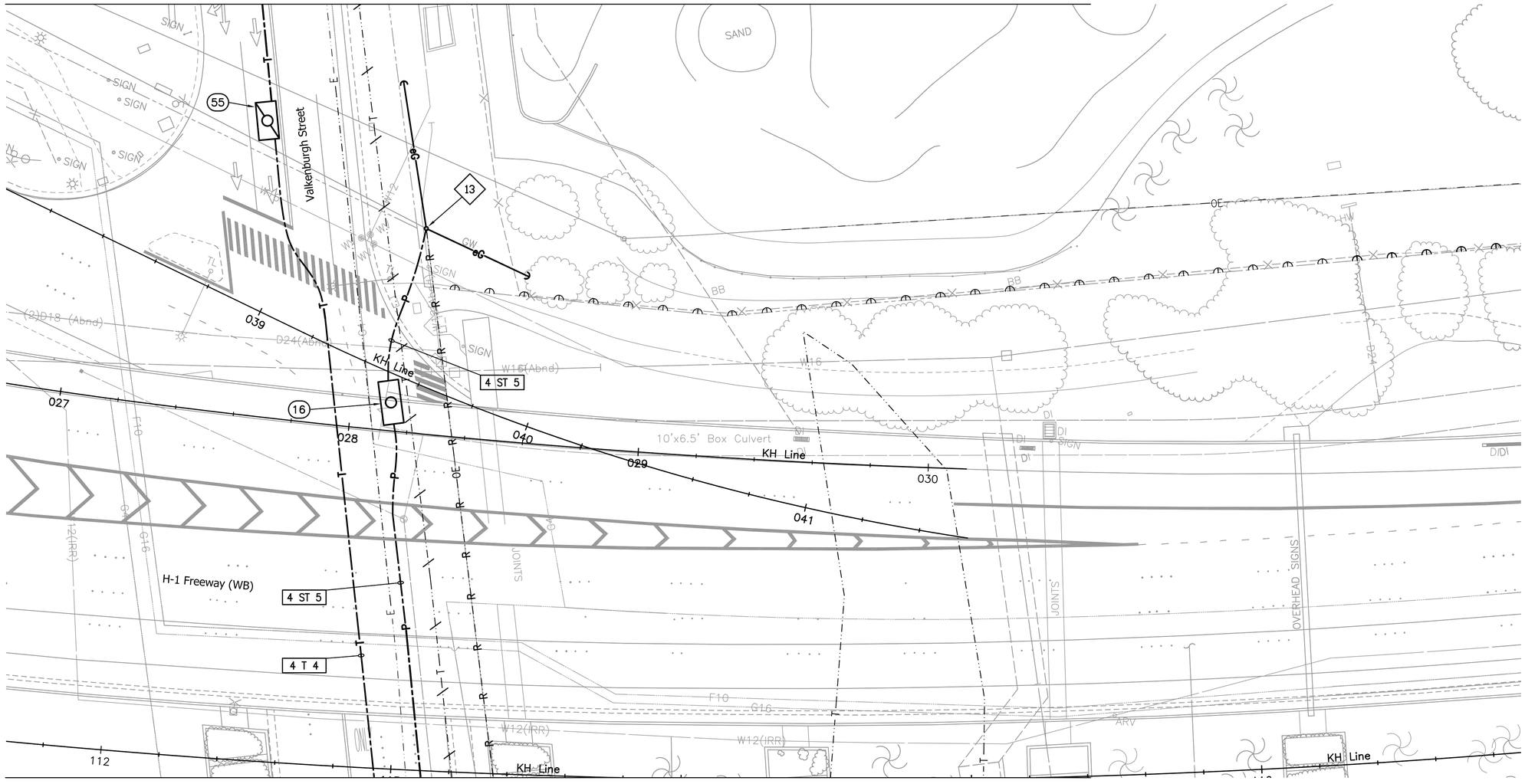
Match Line
See Dwg No. UP228B



NOTES:

13 HECO will modify/replace existing pole to provide new riser.

20' 0 20'

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
ELECTRICAL & COMMUNICATIONS

Contract No.: SV-430
CADD File: AP-D03-UP228A
Drawing No: UP228A
Rev.
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Page No. 147 of 222

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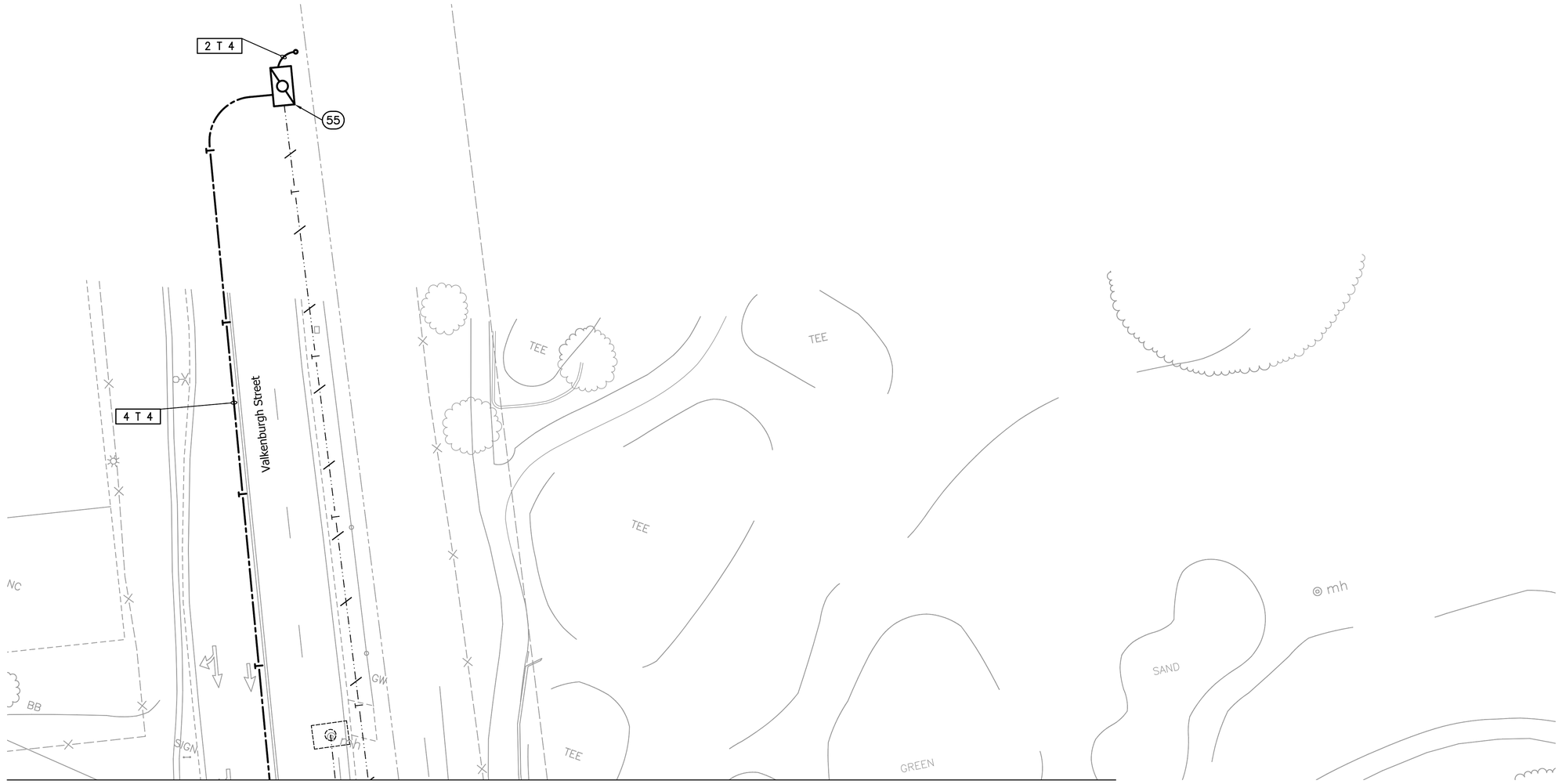

Match Line
See Dwg No. UP228A

20' 0 20'

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
ELECTRICAL & COMMUNICATIONS

Contract No.: SV-430
CADD File: AP-D03-UP228B
Drawing No: UP228B Rev.
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Page No. 148 of 222

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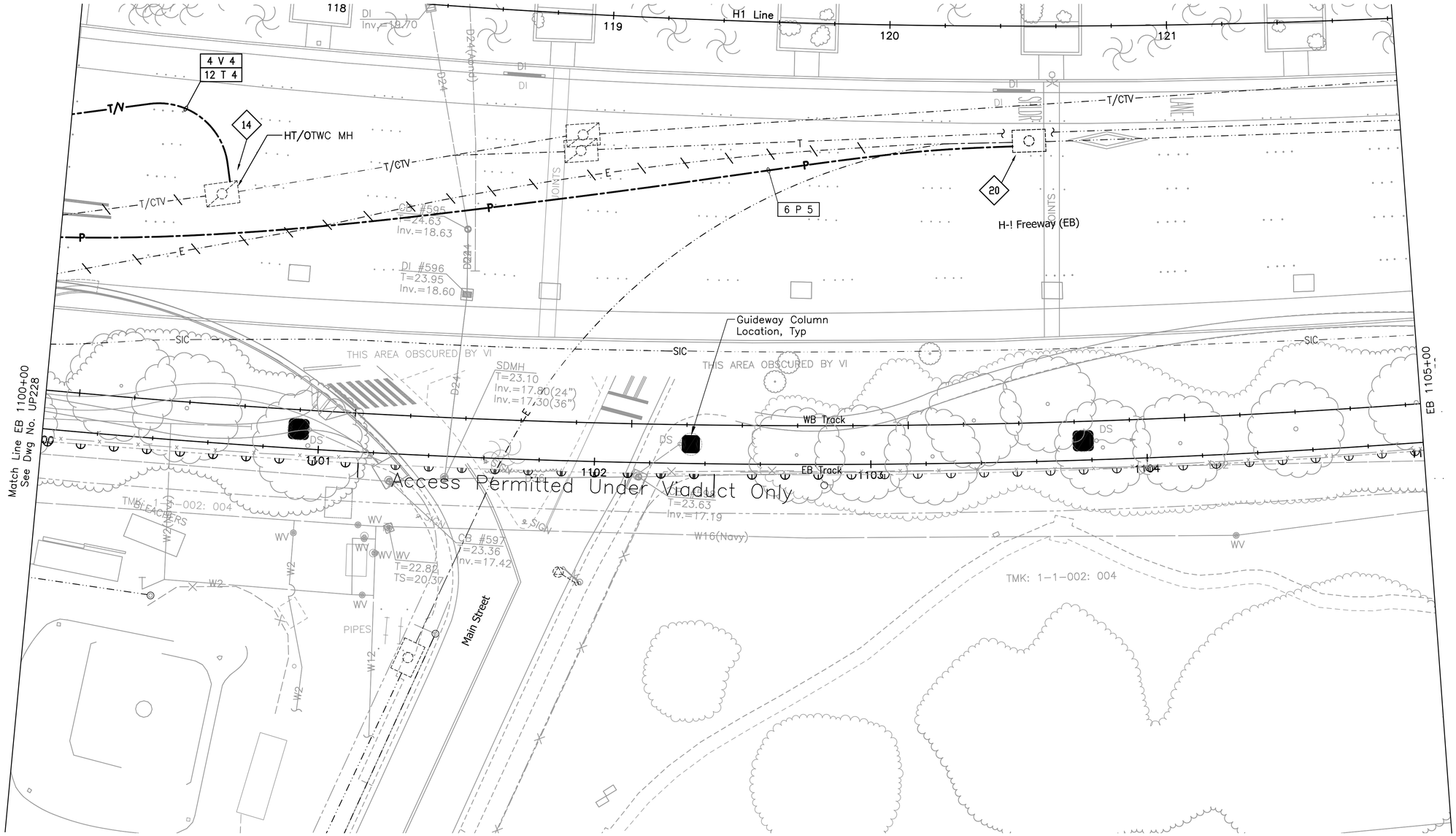

NOTES:

14 Penetrate and patch existing HT/OTWC manhole.

20 Penetrate and patch existing HECO manhole.

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1003 Bishop Street, Suite 2250 – Honolulu, HI 96813

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1100+00 TO EB 1105+00

Contract No.: SV-430
CADD File: AP-D03-UP229
Drawing No.: UP229 Rev.
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Page No. 149 of 222

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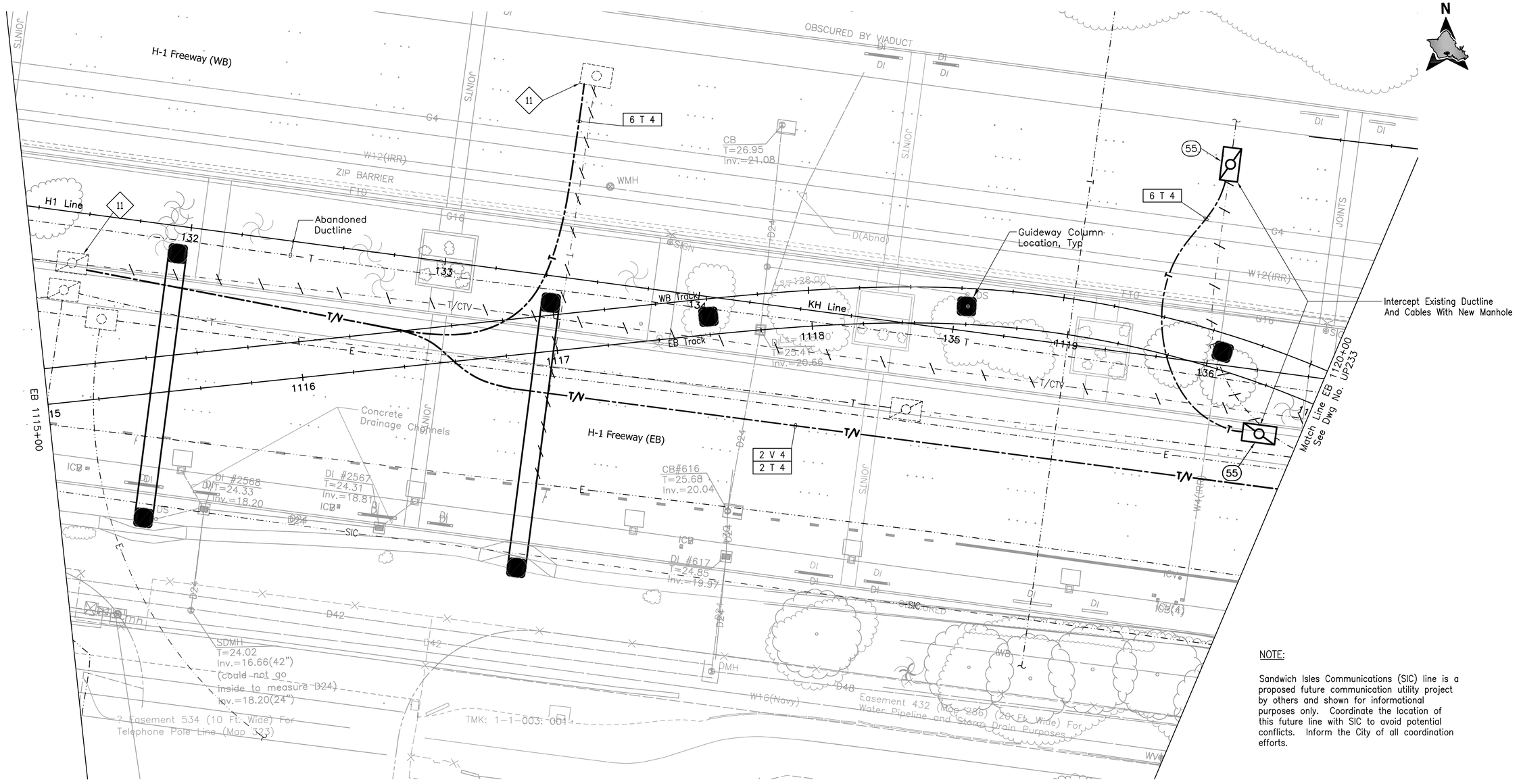

NOTES:

(11) Penetrate and patch existing HT manhole.

NOTE:

Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN
ELECTRICAL & COMMUNICATIONS

EB 1115+00 TO EB 1120+00

Contract No.: SV-430
CADD File: AP-D03-UP232
Drawing No: UP232 Rev.
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Page No. 150 of 222

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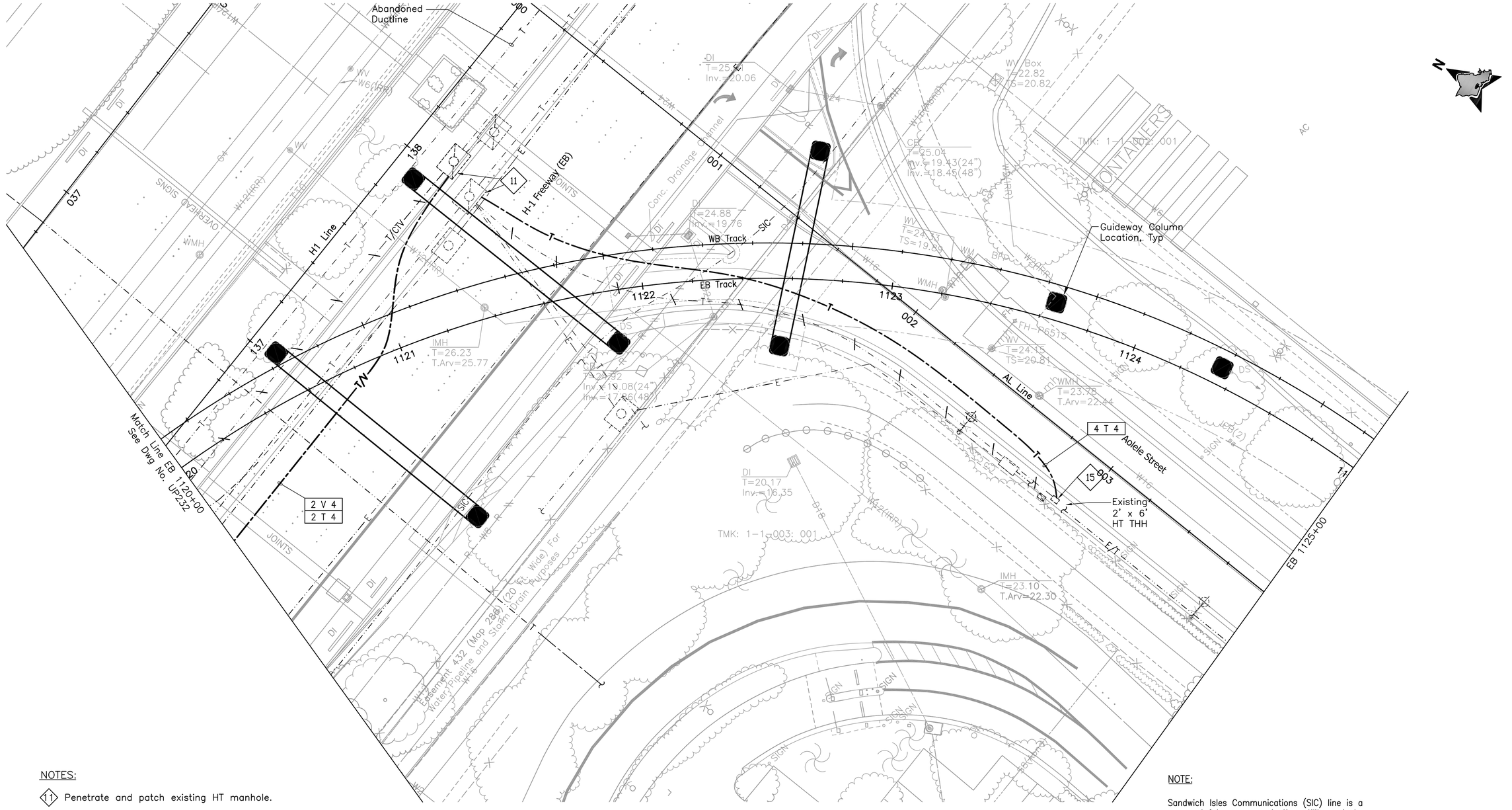

NOTES:

11 Penetrate and patch existing HT manhole.

15 Penetrate and patch existing HT handhole.

NOTE:

Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1120+00 TO EB 1125+00

Contract No.: SV-430
CADD File: AP-D03-UP233
Drawing No: UP233 Rev.
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Page No. 151 of 222

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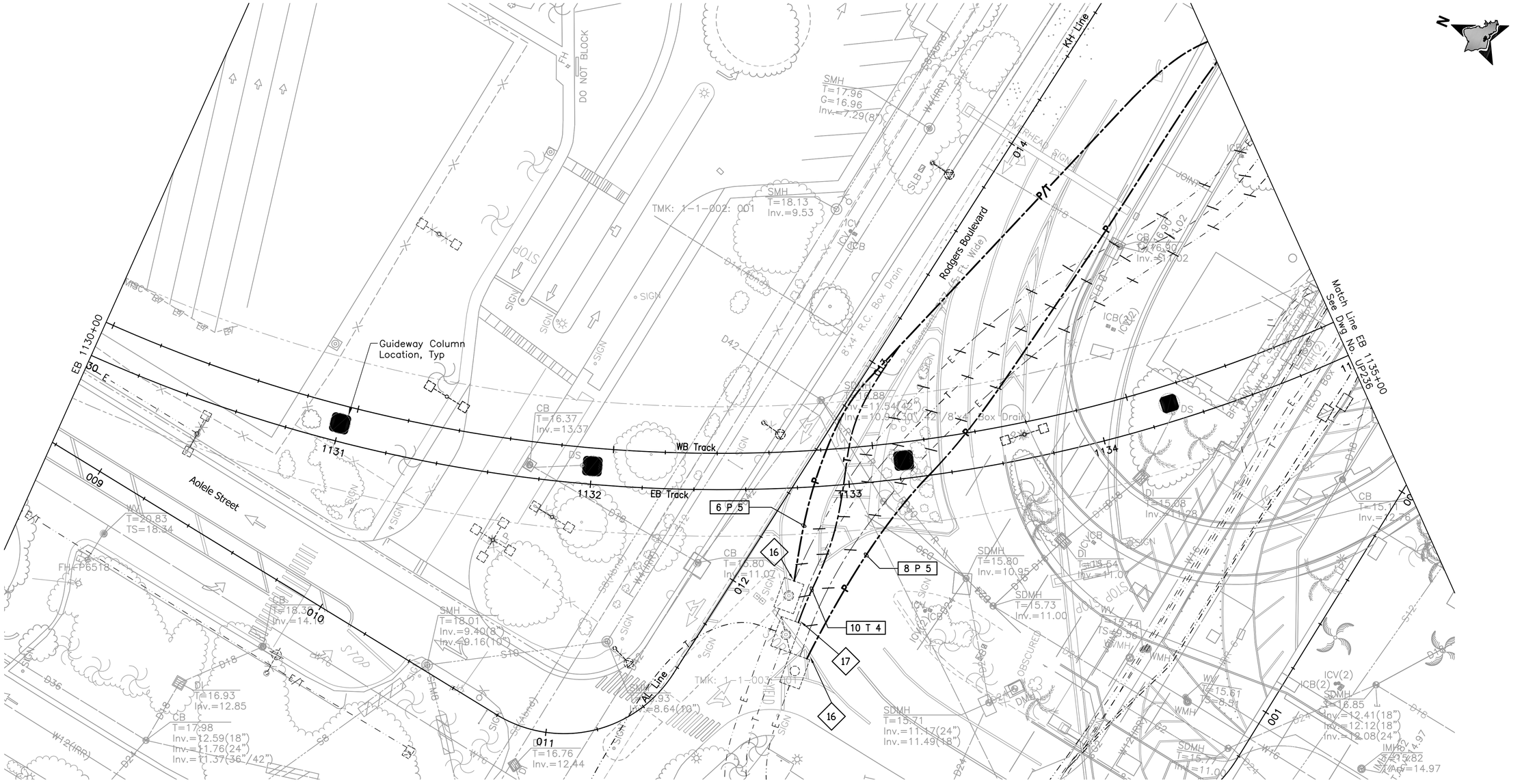

NOTES:

6 Penetrate and patch existing DOT Airports HECO manhole.

17 Penetrate and patch existing DOT Airports HT manhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
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Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1130+00 TO EB 1135+00

Contract No.: SV-430
CADD File: AP-D03-UP235
Drawing No: UP235 Rev.
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Page No. 152 of 222

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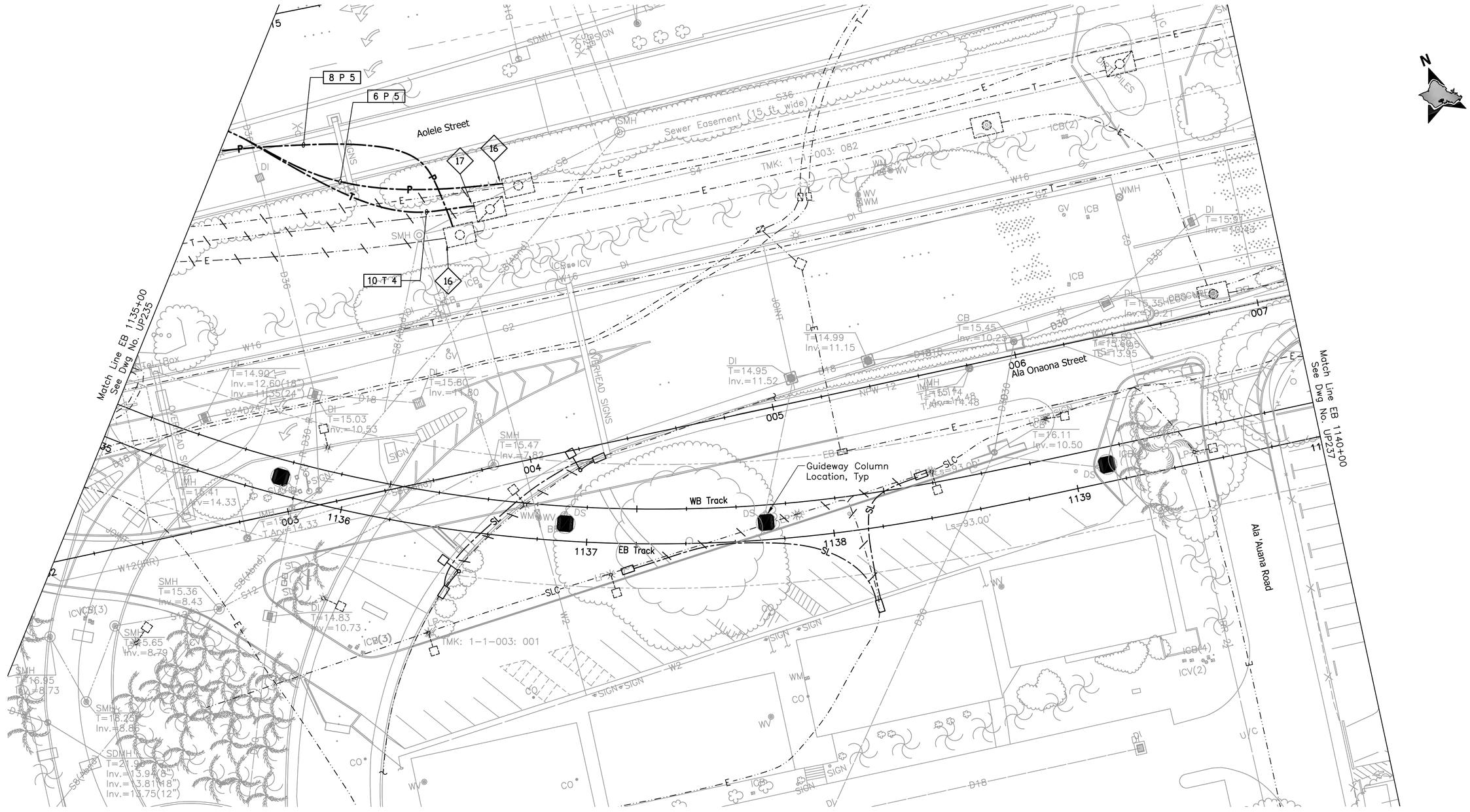

NOTES:

16 Penetrate and patch existing DOT Airports HECO manhole.

17 Penetrate and patch existing DOT Airports HT manhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1135+00 TO EB 1140+00

Contract No.: SV-430
CADD File: AP-D03-UP236
Drawing No: UP236 Rev.
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Page No. 153 of 222

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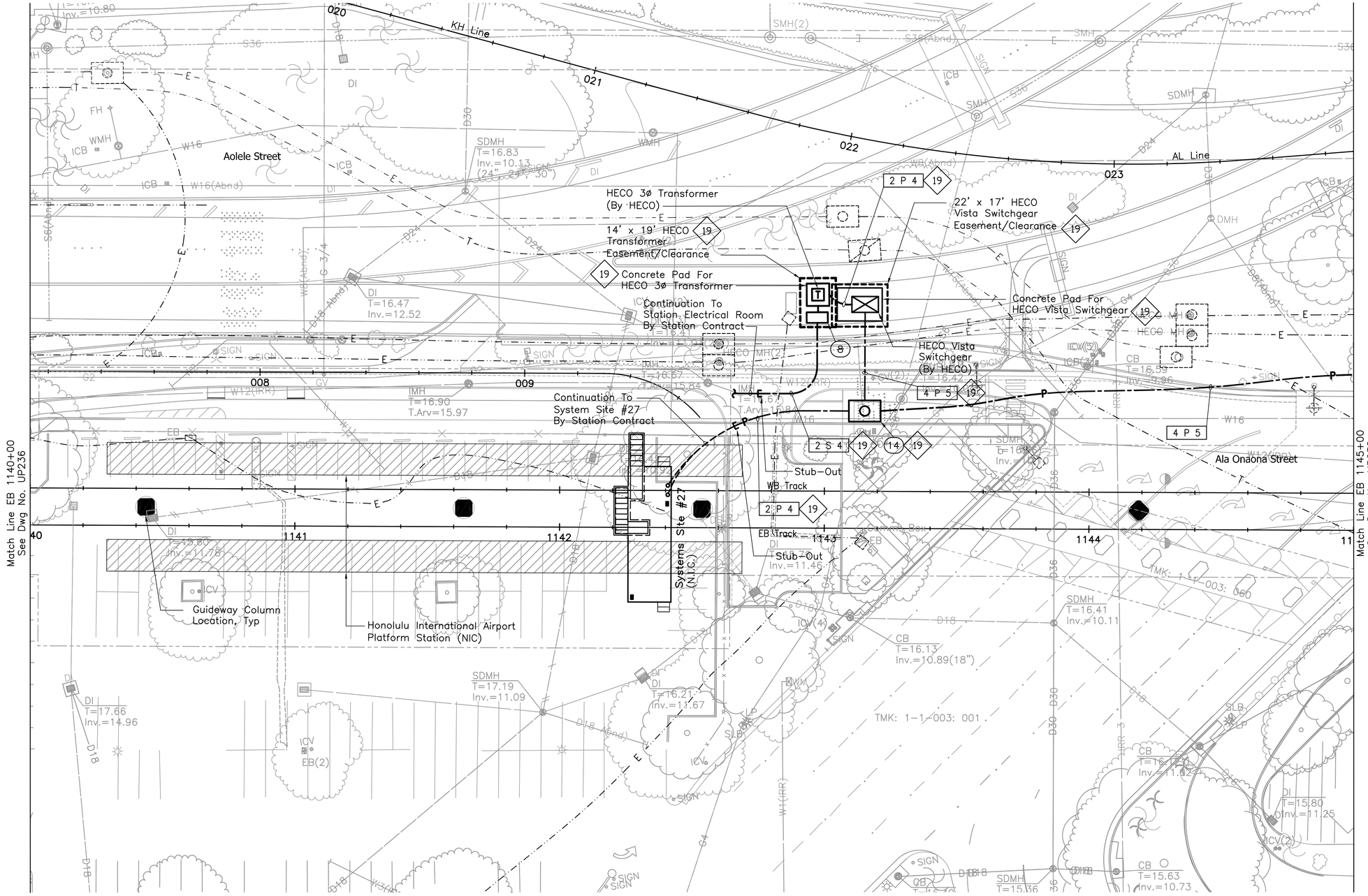

NOTES:

19 Preliminary new HECO service design only; to be finalized by the final design.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1140+00 TO EB 1145+00

Contract No.: SV-430
CADD File: AP-D03-UP237
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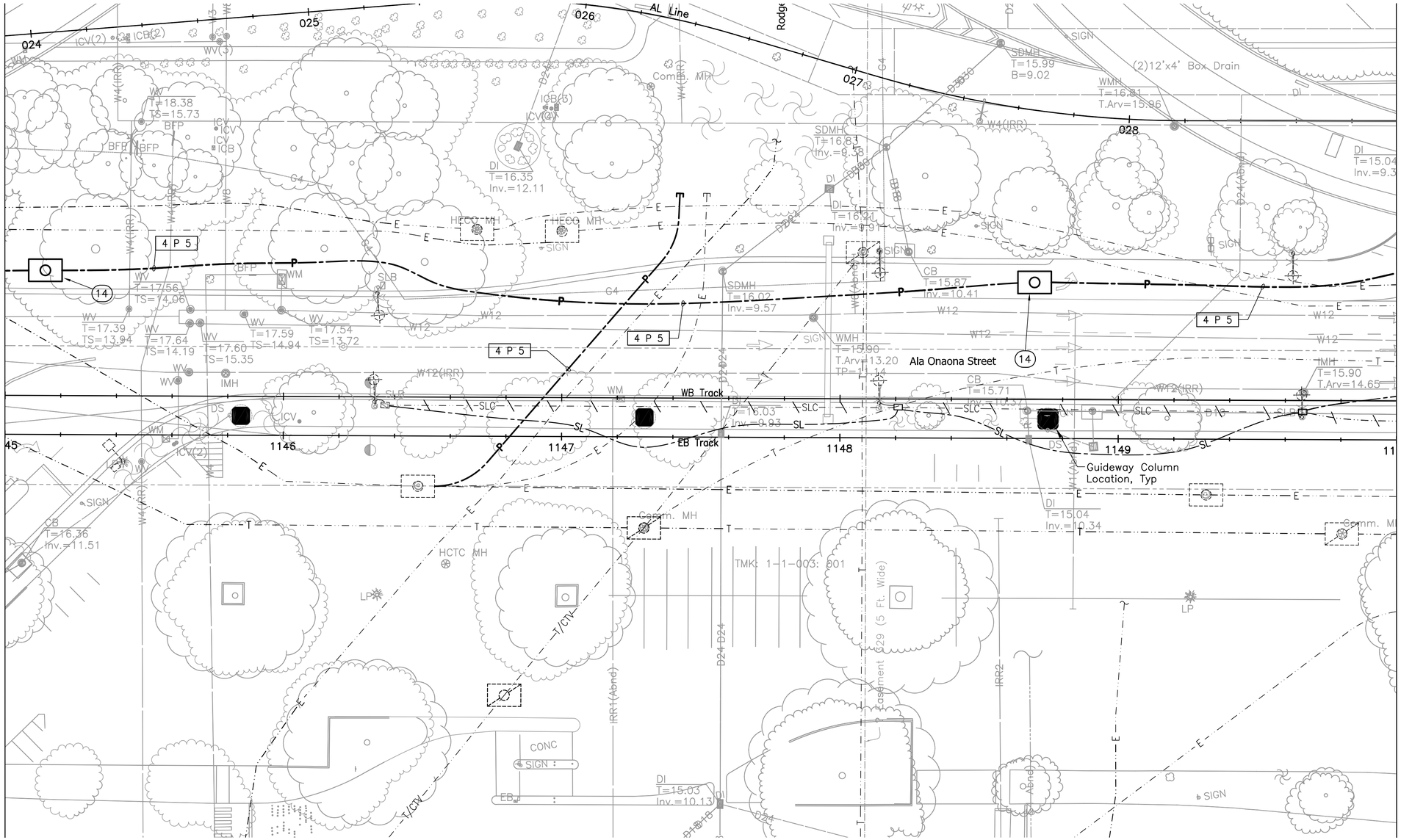

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1145+00 TO EB 1150+00

Contract No.: SV-430
CADD File: AP-D03-UP238
Drawing No.: UP238 Rev.:
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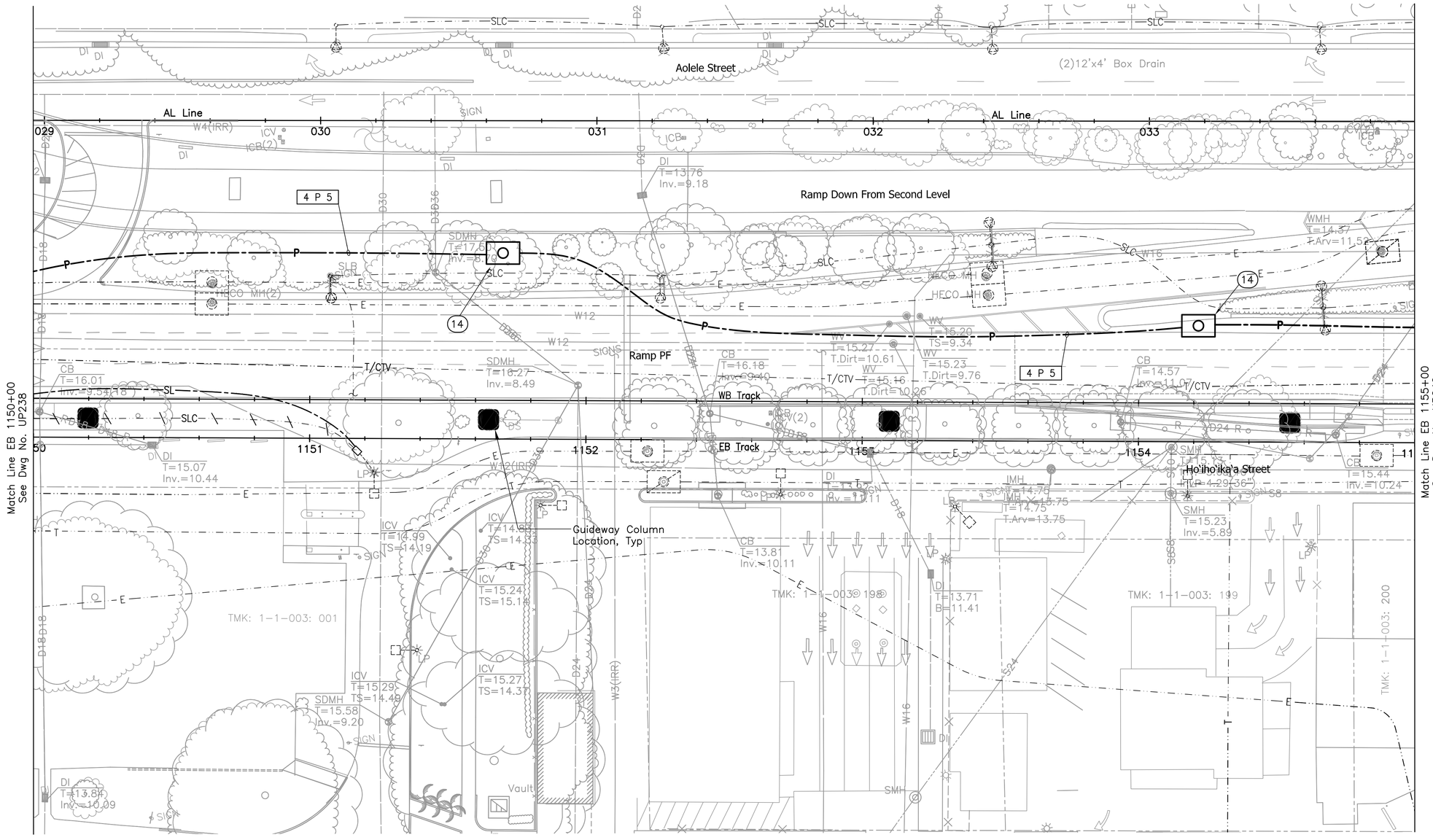

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1150+00 TO EB 1155+00

Contract No.: SV-430
CADD File: AP-D03-UP239
Drawing No: UP239 Rev.
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Page No. 156 of 222

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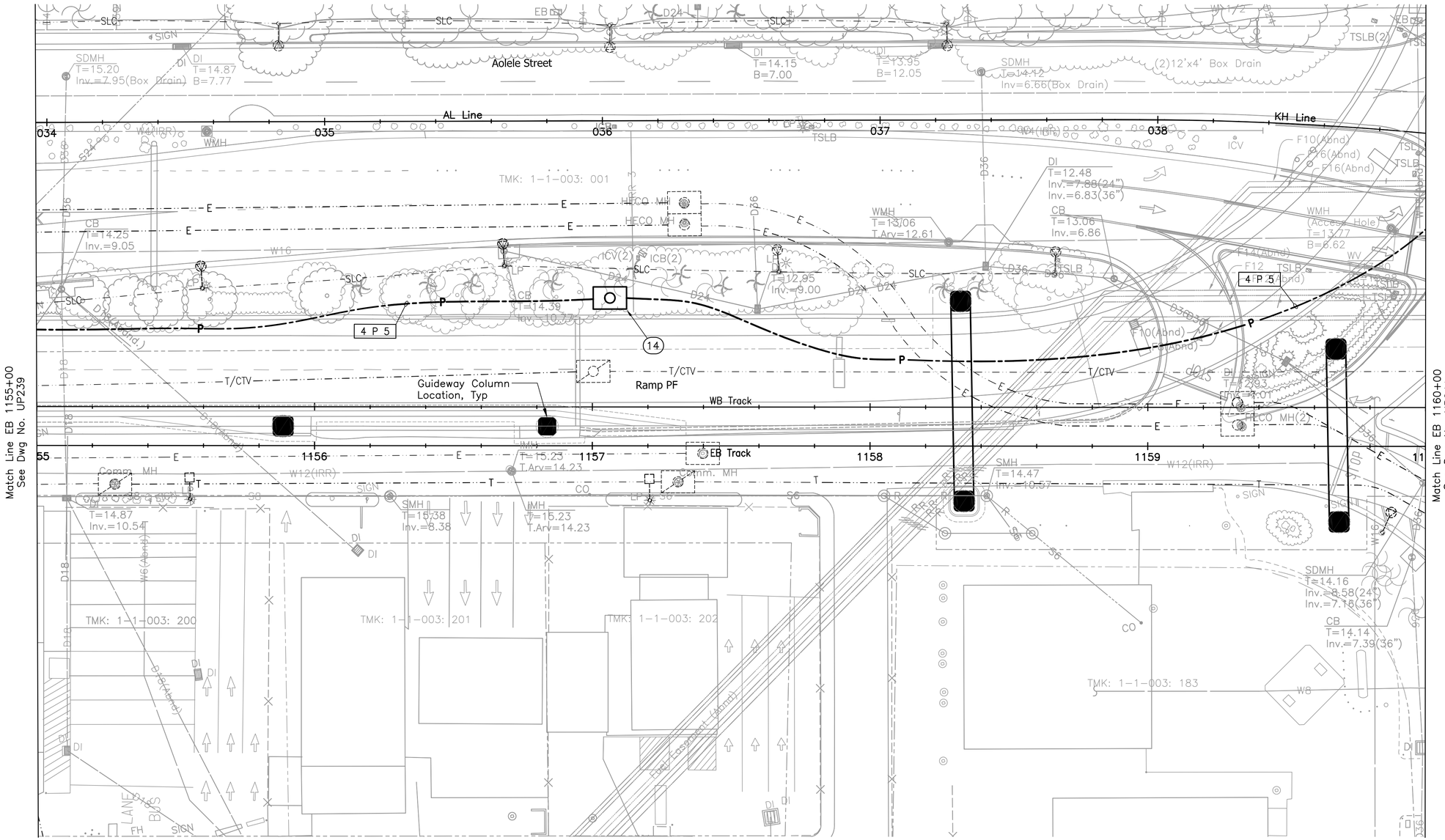

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant:
ECS, INC.
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HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1155+00 TO EB 1160+00

Contract No.: SV-430
CADD File: AP-D03-UP240
Drawing No.: UP240 Rev.:
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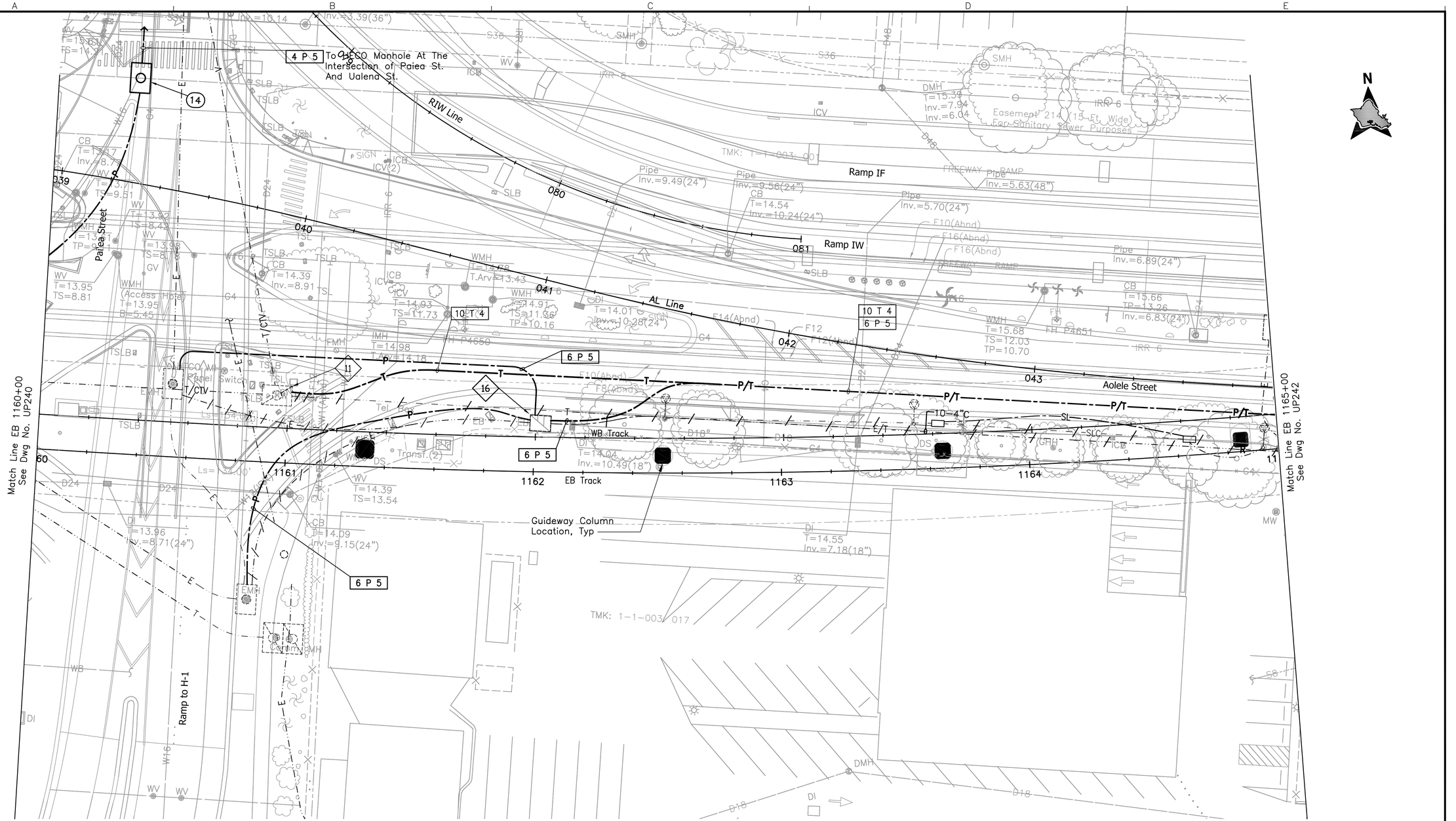
Page No.: 157 of 222



NOTES:

11 Penetrate and patch existing HT manhole.

16 Penetrate and patch existing DOT Airports HECO manhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
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Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1160+00 TO EB 1165+00

Contract No.: SV-430
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Page No. 158 of 222

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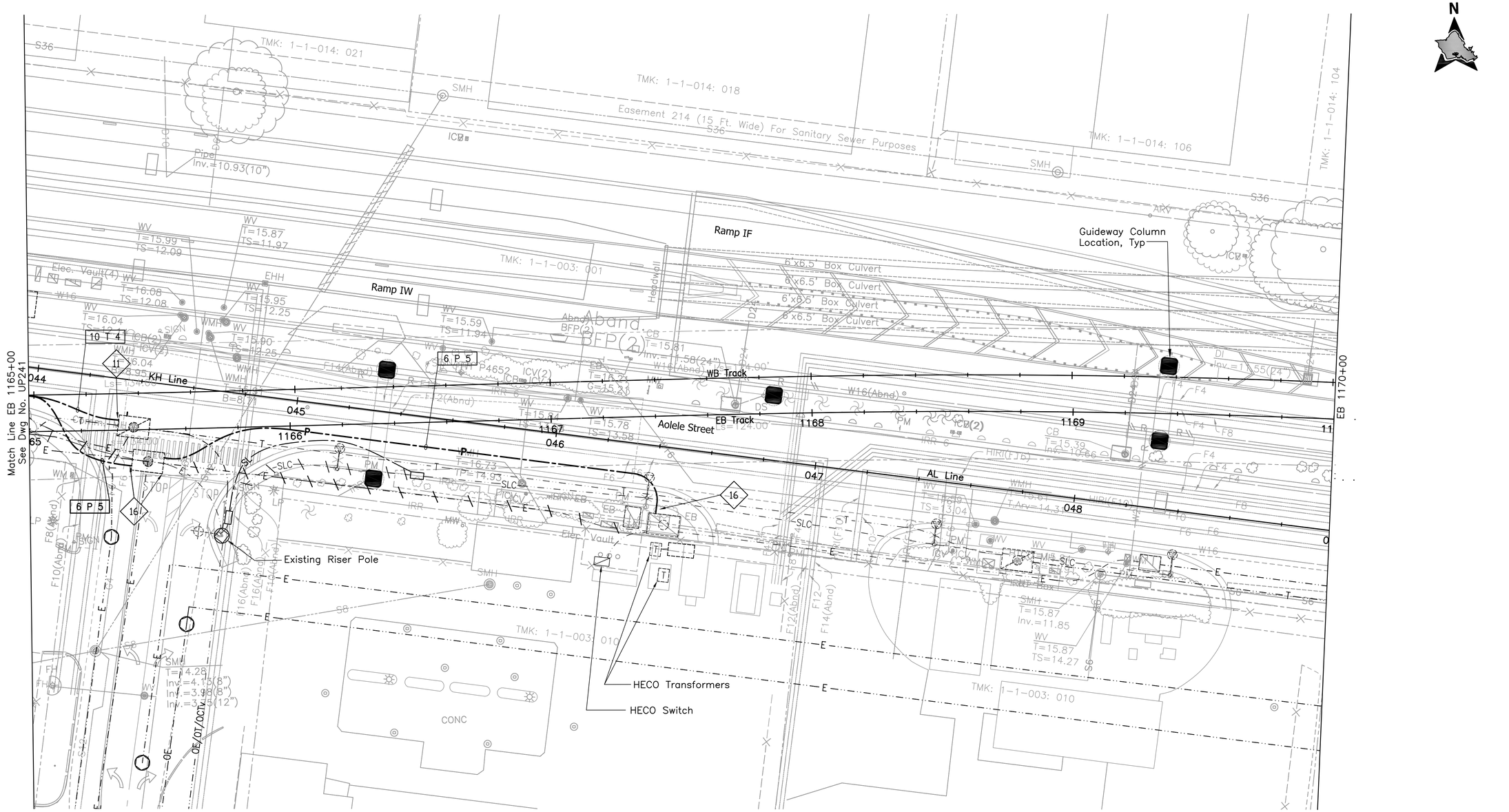

NOTES:

11 Penetrate and patch existing HT manhole.

16 Penetrate and patch existing DOT Airports HECO manhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

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Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1165+00 TO EB 1170+00

Contract No.: SV-430
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Page No. 159 of 222

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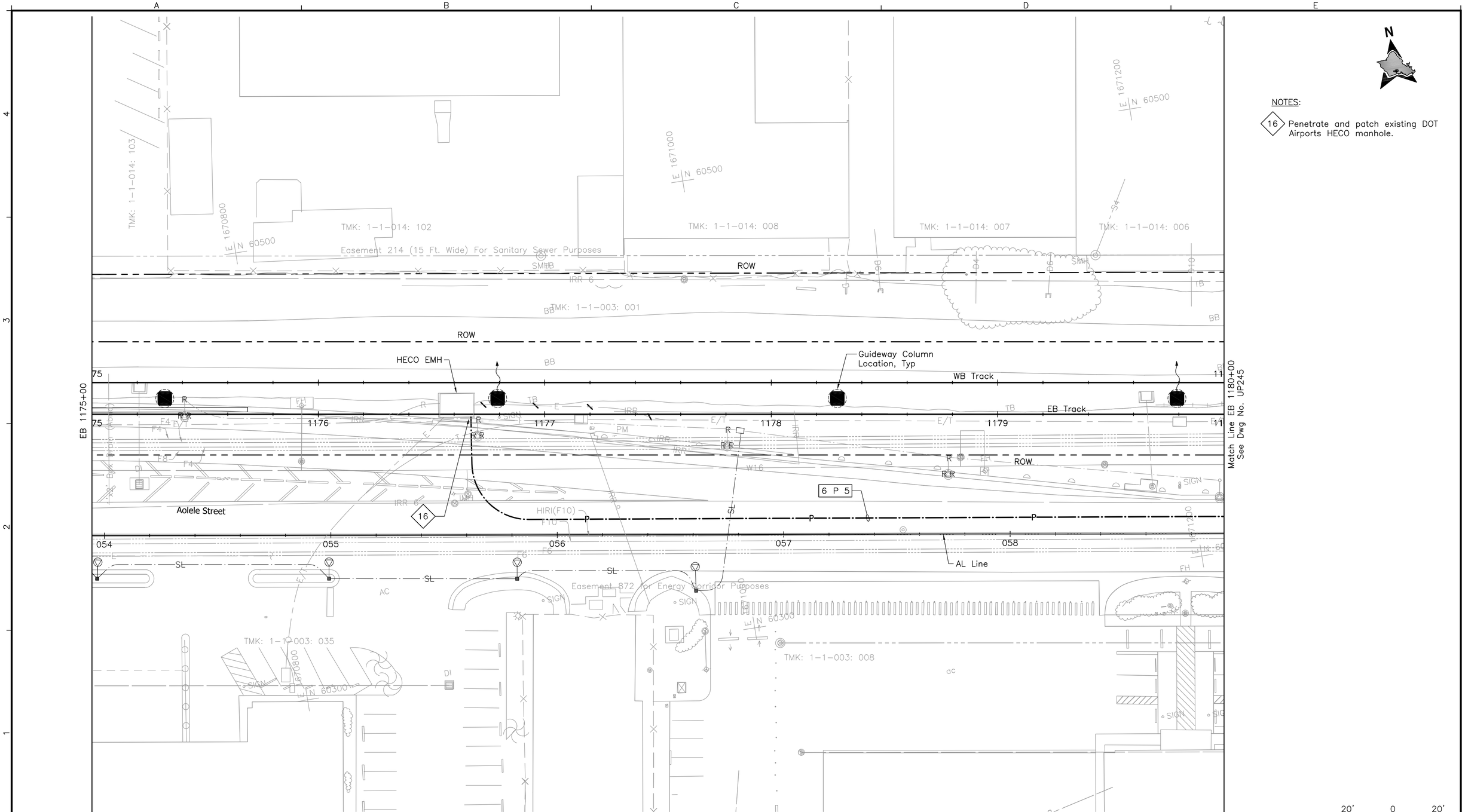

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: MKengineers
286 Kalihi Street
Honolulu, Hawaii 96819
Phone: (808) 848-8622
Fax: (808) 848-5574
E-Mail: info@mkhawaii.com

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

AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1175+00 TO EB 1180+00

Contract No.: SV-430
CADD File: AP-D03-UP244
Drawing No: UP244 Rev.
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Page No. 160 of 222

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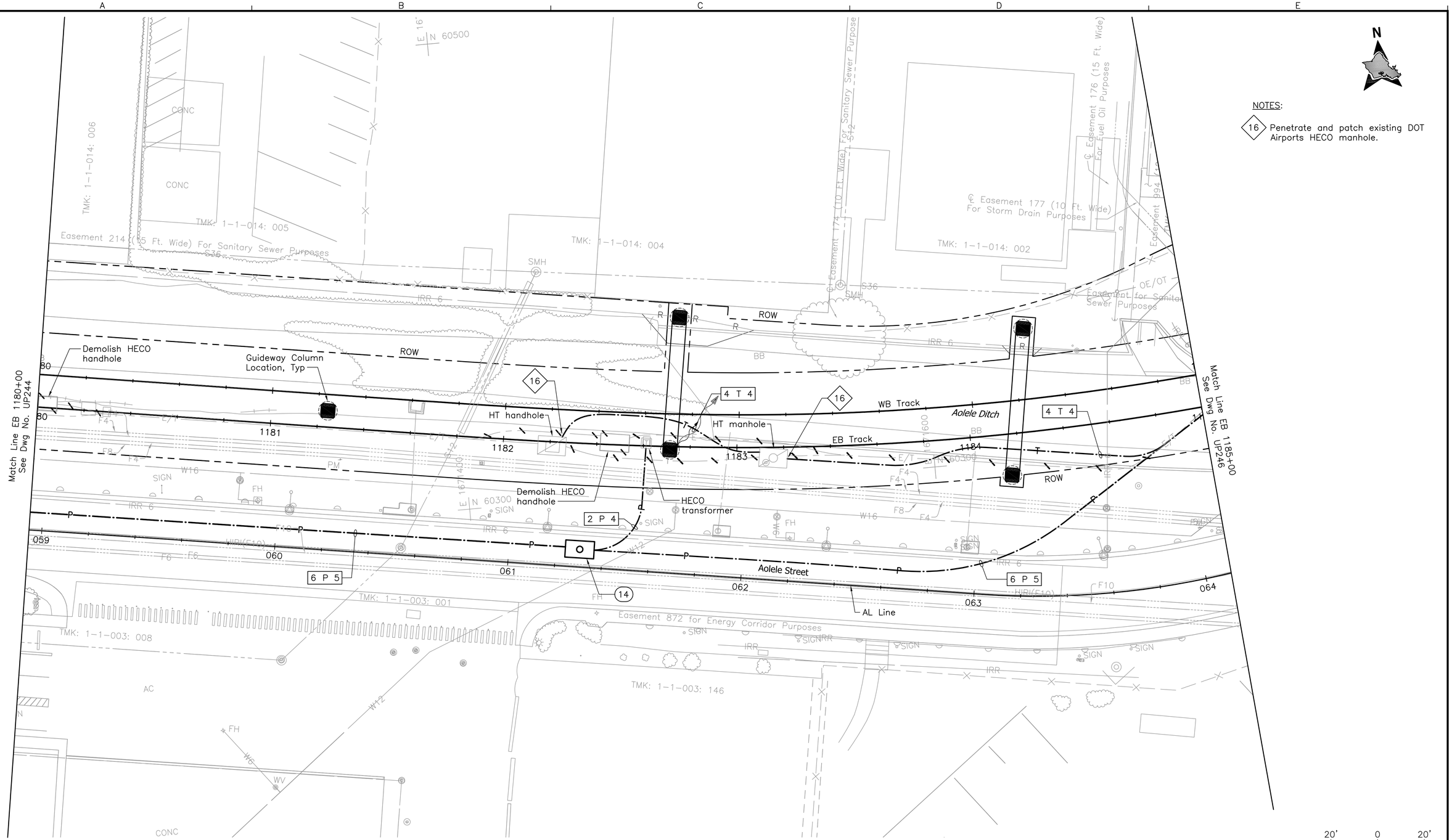

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

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

AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1180+00 TO EB 1185+00

Contract No.: SV-430
CADD File: AP-D03-UP245
Drawing No.: UP245 Rev.:
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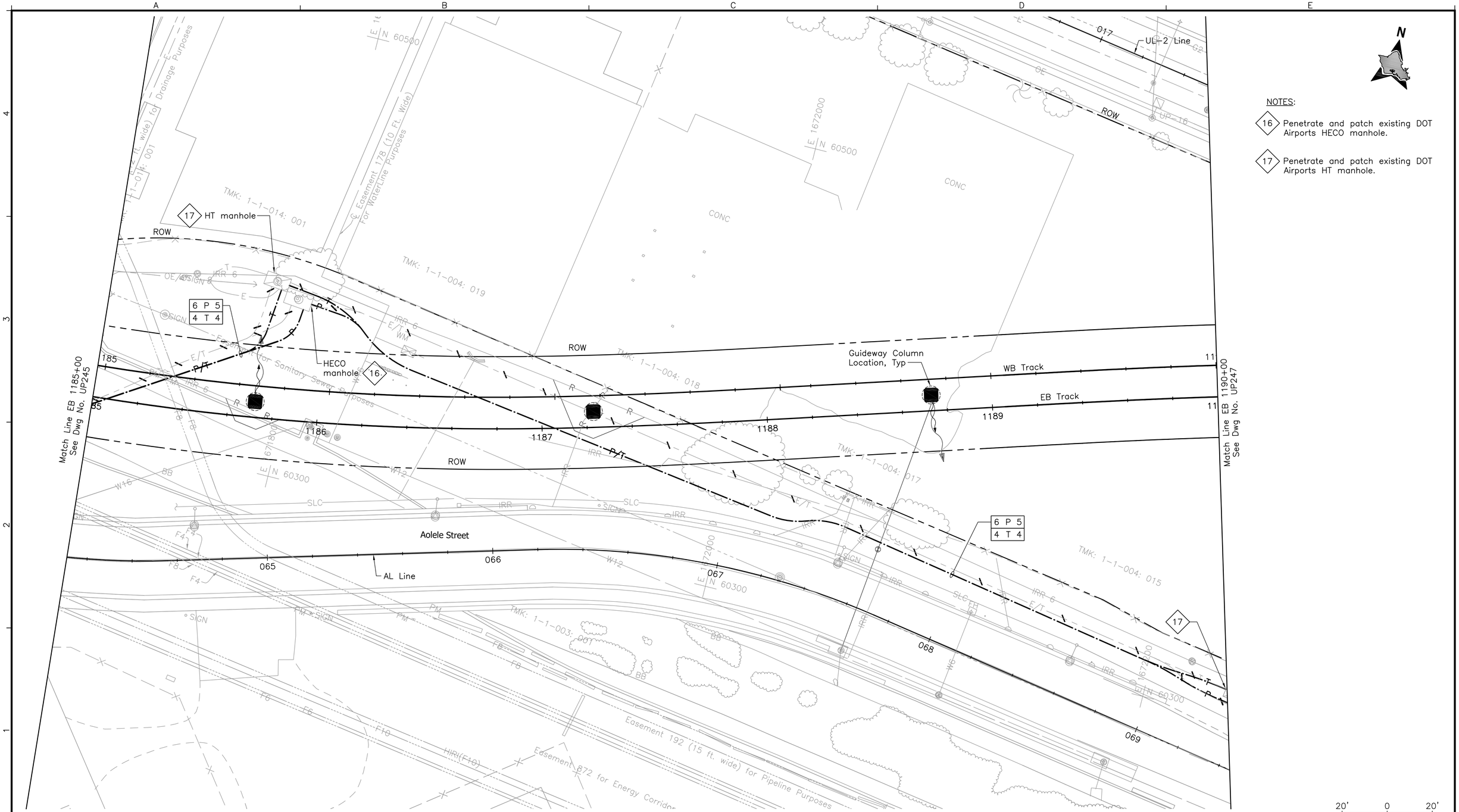

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1185+00 TO EB 1190+00

Contract No.: SV-430
CADD File: AP-D03-UP246
Drawing No: UP246 Rev.
Scale: 1"=20'
Page No. 162 of 222

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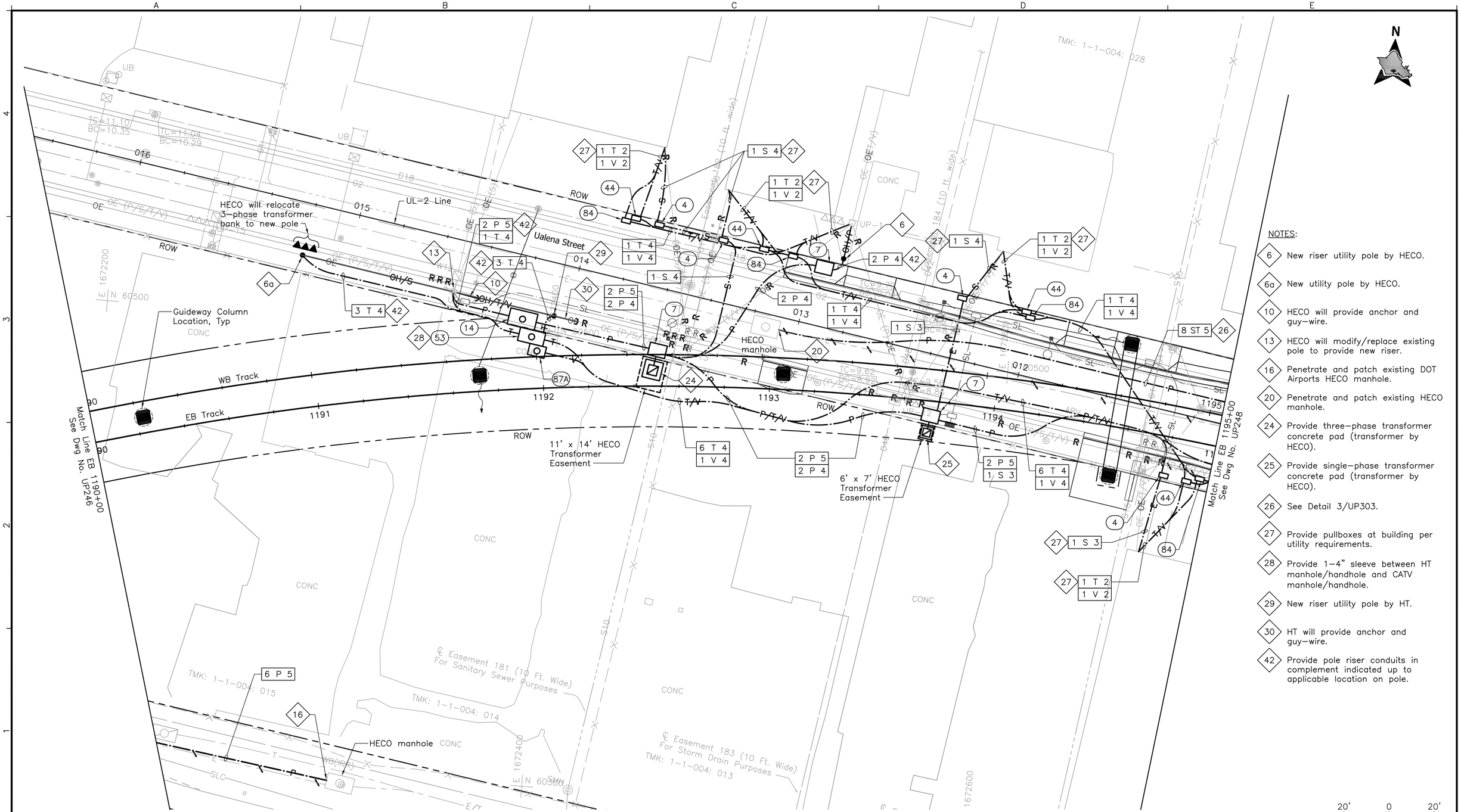

NOTES:

- 6 — New riser utility pole by HECO.
- 6a — New utility pole by HECO.
- 10 — HECO will provide anchor and guy-wire.
- 13 — HECO will modify/replace existing pole to provide new riser.
- 16 — Penetrate and patch existing DOT Airports HECO manhole.
- 20 — Penetrate and patch existing HECO manhole.
- 24 — Provide three-phase transformer concrete pad (transformer by HECO).
- 25 — Provide single-phase transformer concrete pad (transformer by HECO).
- 26 — See Detail 3/UP303.
- 27 — Provide pullboxes at building per utility requirements.
- 28 — Provide 1-4" sleeve between HT manhole/handhole and CATV manhole/handhole.
- 29 — New riser utility pole by HT.
- 30 — HT will provide anchor and guy-wire.
- 42 — Provide pole riser conduits in complement indicated up to applicable location on pole.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1190+00 TO EB 1195+00

Contract No.: SV-430
CADD File: AP-D03-UP247
Drawing No.: UP247
Rev.:
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Page No.: 163 of 222

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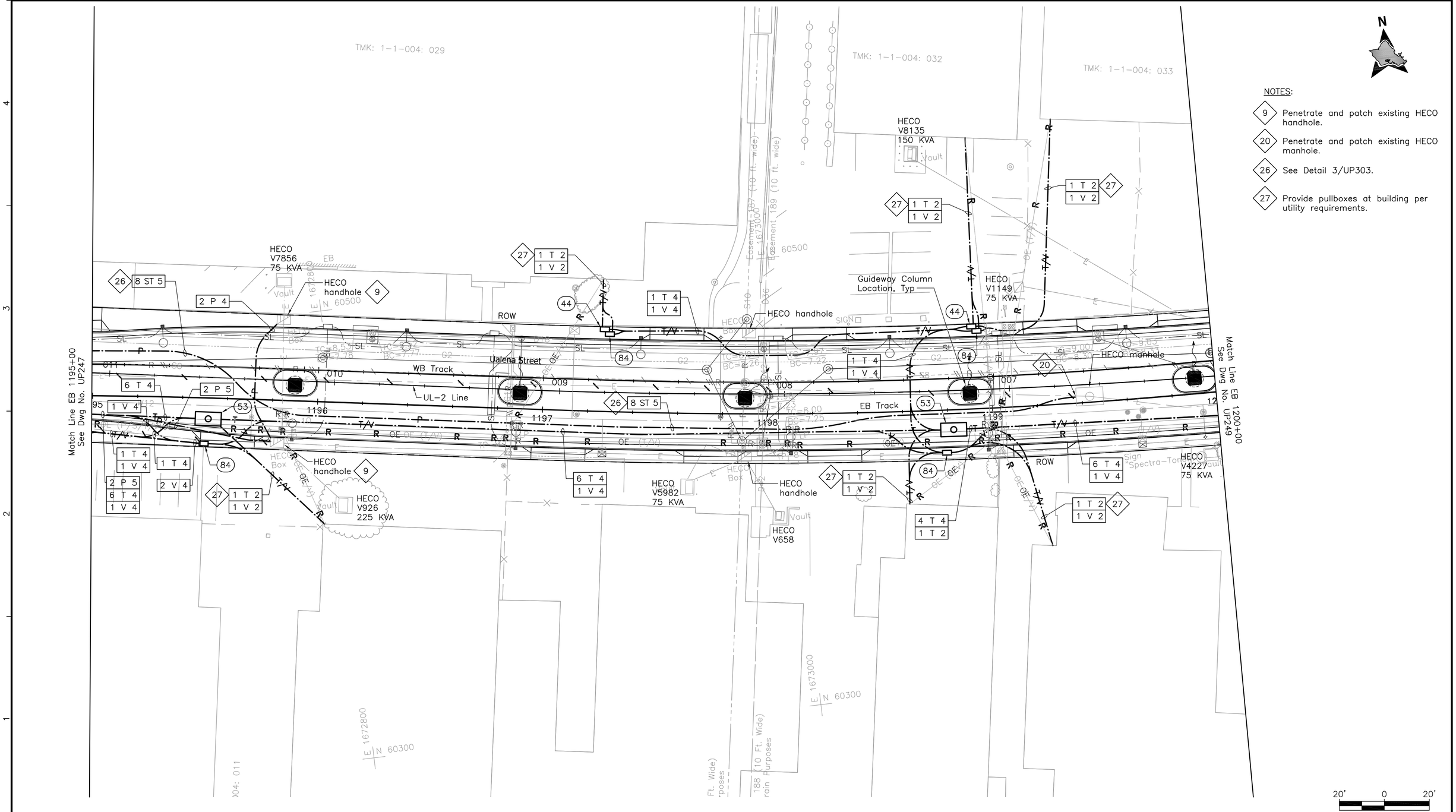

NOTES:

- 9 — Penetrate and patch existing HECO handhole.
- 20 — Penetrate and patch existing HECO manhole.
- 26 — See Detail 3/UP303.
- 27 — Provide pullboxes at building per utility requirements.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

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Drawn: D Saito
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Approved: P Uyeda
Date: 10-01-10

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1195+00 TO EB 1200+00

Contract No.: SV-430
CADD File: AP-D03-UP248
Drawing No.: UP248 Rev.:
Scale: 1"=20'
Page No.: 164 of 222

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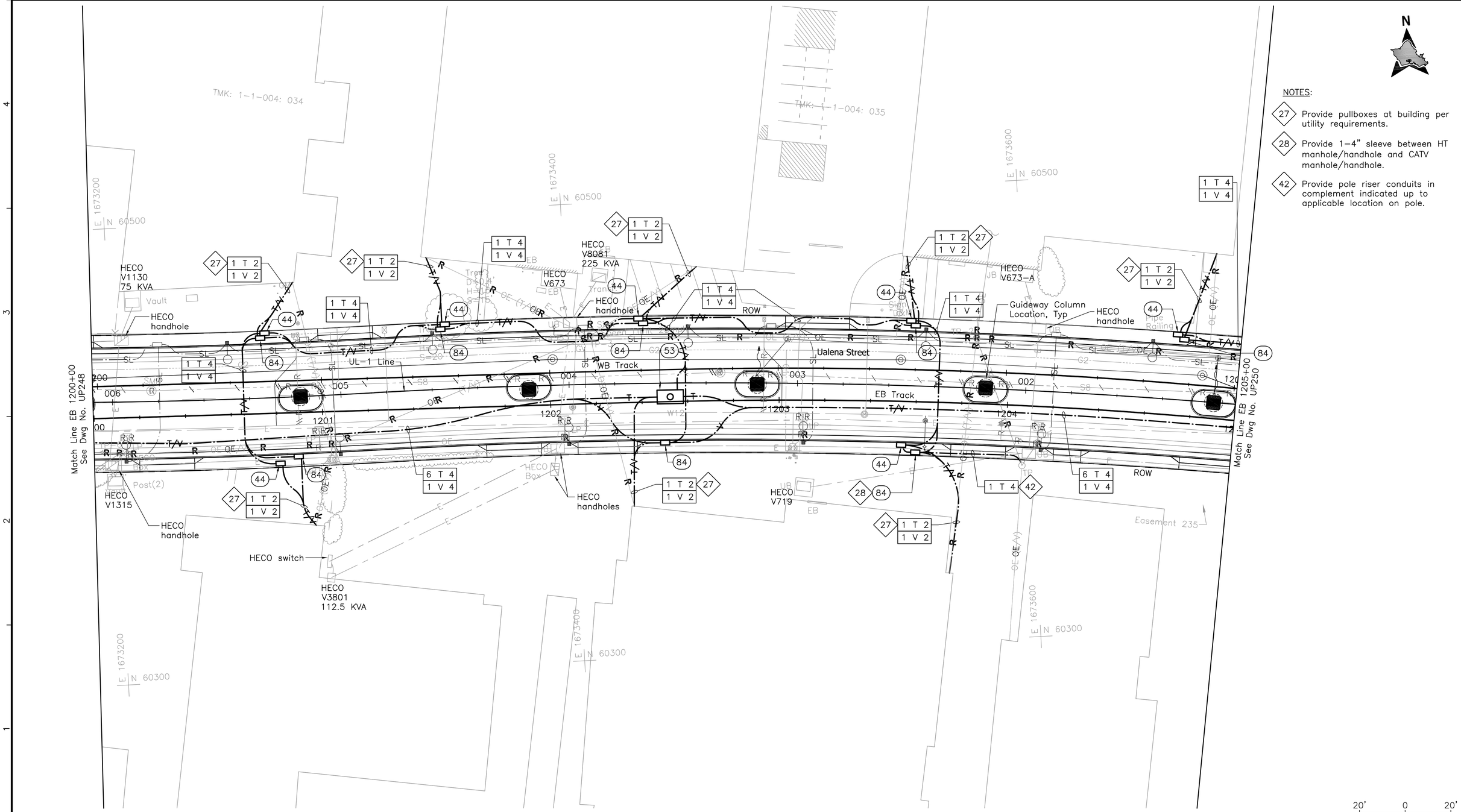

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Rev	By	Date	Description

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10–01–10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: MKengineers
286 Kalihi Street
Honolulu, Hawaii 96819
Phone: (808) 848-8622
Fax: (808) 848-5574
E-Mail: info@mkhawaii.com

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1200+00 TO EB 1205+00

Contract No.: SV–430
CADD File: AP–D03–UP249
Drawing No: UP249 Rev.
Scale: 1"=20'
Page No. 165 of 222

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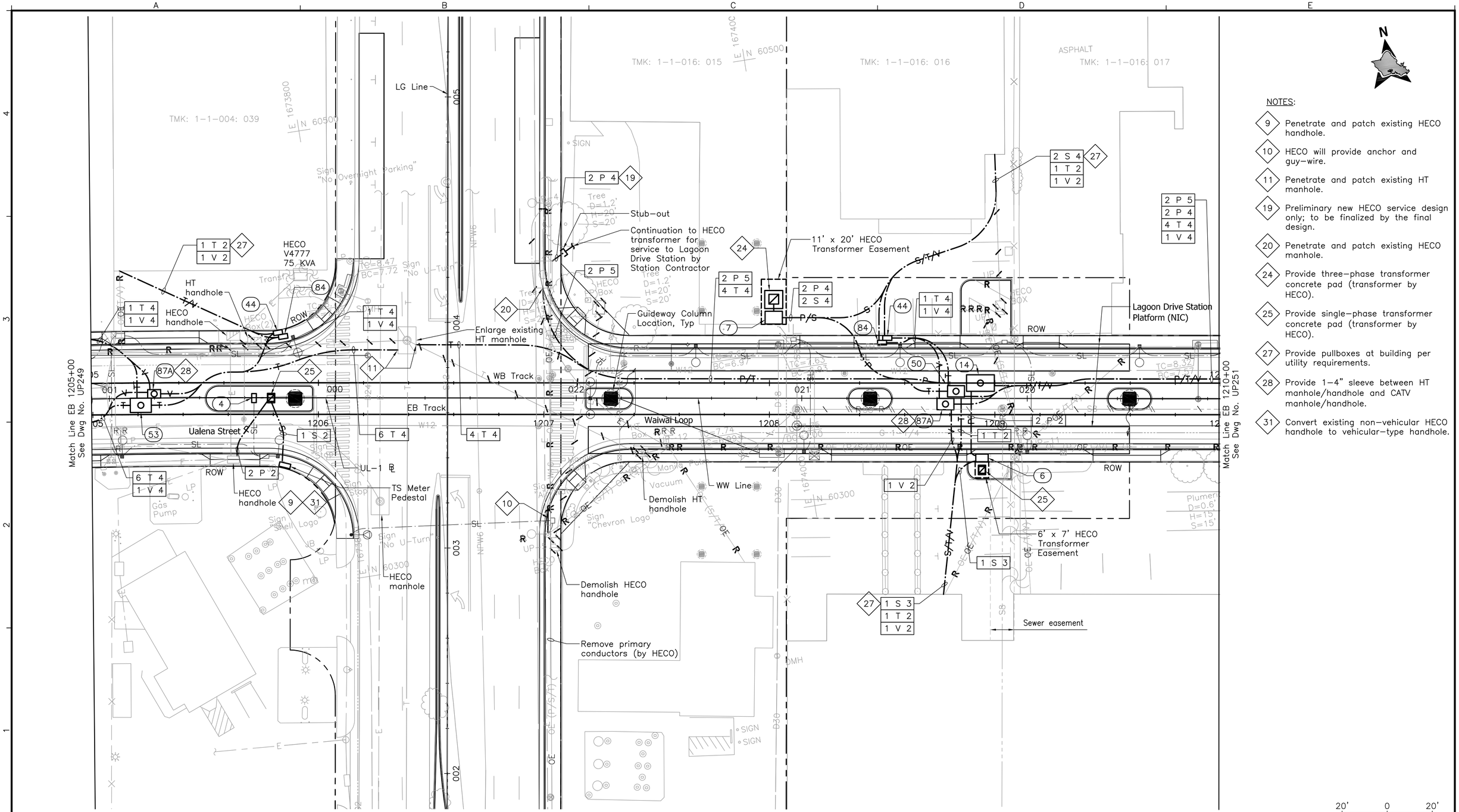

NOTES:

- 9 Penetrate and patch existing HECO handhole.
- 10 HECO will provide anchor and guy-wire.
- 11 Penetrate and patch existing HT manhole.
- 19 Preliminary new HECO service design only; to be finalized by the final design.
- 20 Penetrate and patch existing HECO manhole.
- 24 Provide three-phase transformer concrete pad (transformer by HECO).
- 25 Provide single-phase transformer concrete pad (transformer by HECO).
- 27 Provide pullboxes at building per utility requirements.
- 28 Provide 1-4" sleeve between HT manhole/handhole and CATV manhole/handhole.
- 31 Convert existing non-vehicular HECO handhole to vehicular-type handhole.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1205+00 TO EB 1210+00

Contract No.: SV-430
CADD File: AP-D03-UP250
Drawing No: UP250 Rev.
Scale: 1"=20'
Page No. 166 of 222

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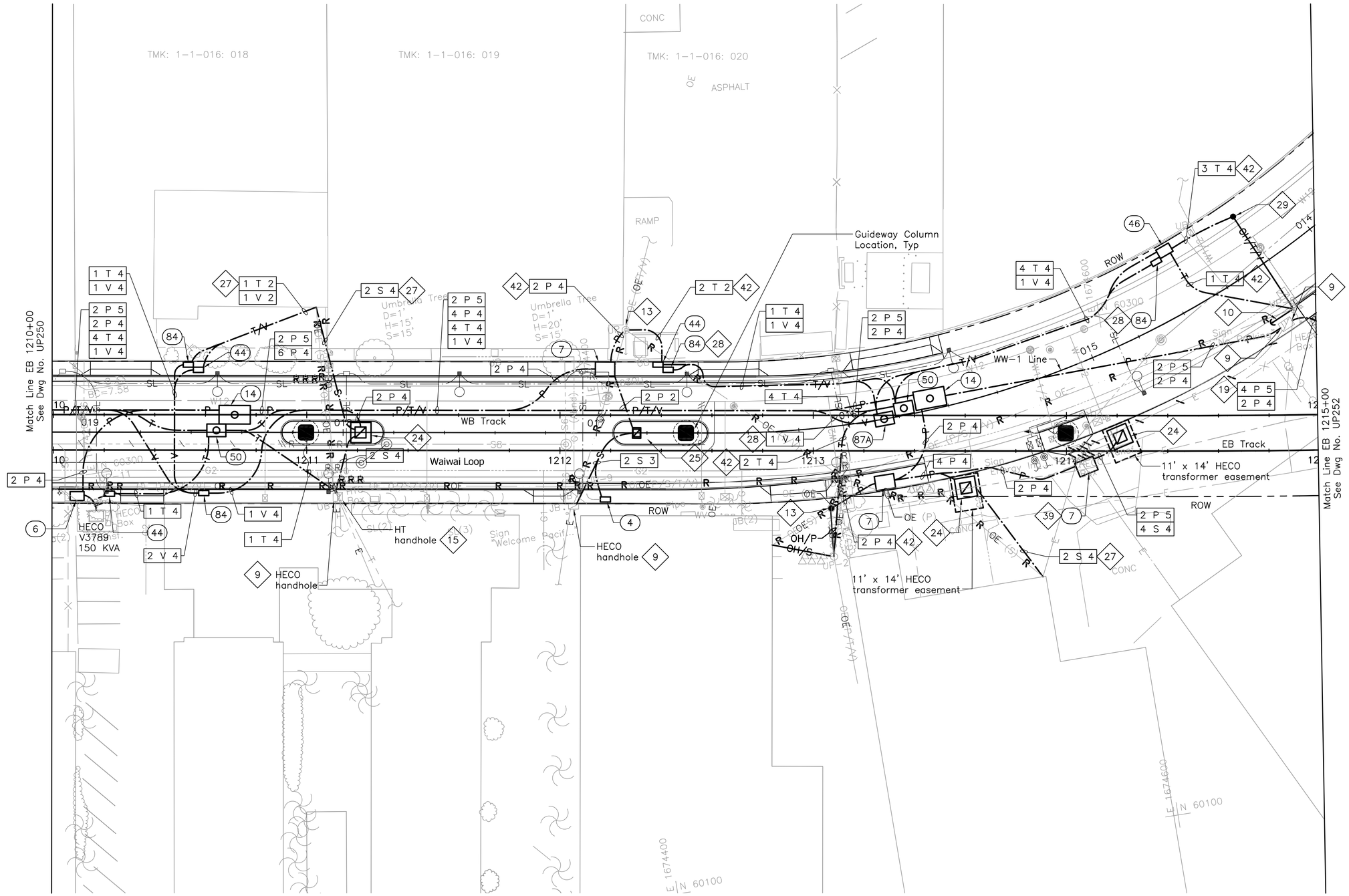

NOTES:

- 9 Penetrate and patch existing HECO handhole.
- 10 HECO will provide anchor and guy-wire.
- 13 HECO will modify/replace existing pole to provide new riser.
- 15 Penetrate and patch existing HT handhole.
- 19 Preliminary new HECO service design only; to be finalized by the final design.
- 24 Provide three-phase transformer concrete pad (transformer by HECO).
- 25 Provide single-phase transformer concrete pad (transformer by HECO).
- 27 Provide pullboxes at building per utility requirements.
- 28 Provide 1-4" sleeve between HT manhole/handhole and CATV manhole/handhole.
- 29 New riser utility pole by HT.
- 39 Intercept existing HECO ductline with new manhole.
- 42 Provide pole riser conduits in complement indicated up to applicable location on pole.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1210+00 TO EB 1215+00

Contract No.: SV-430
CADD File: AP-D03-UP251
Drawing No: UP251 Rev.
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Page No. 167 of 222

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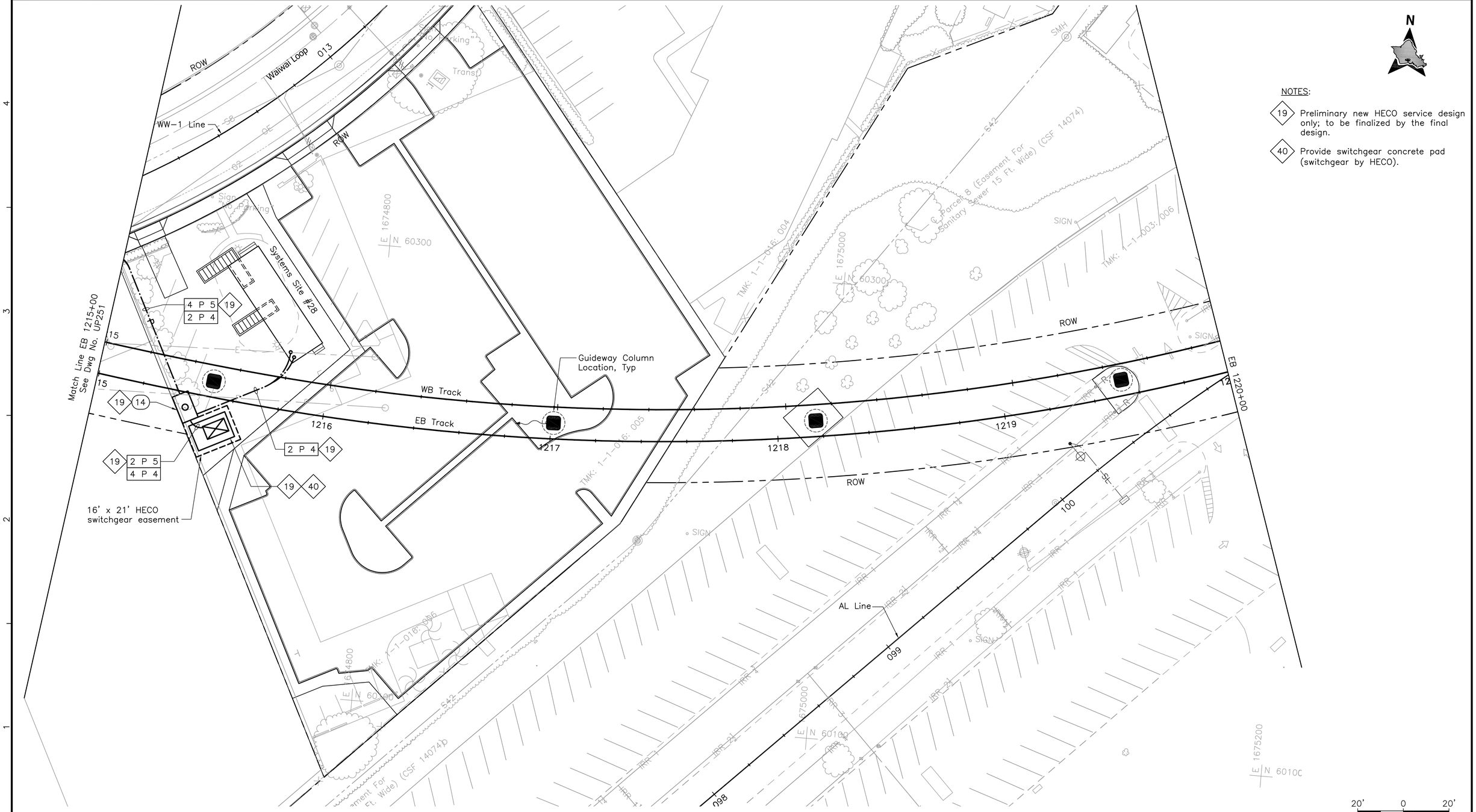

NOTES:

19 Preliminary new HECO service design only; to be finalized by the final design.

40 Provide switchgear concrete pad (switchgear by HECO).

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
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Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1215+00 TO EB 1220+00

Contract No.: SV-430
CADD File: AP-D03-UP252
Drawing No: UP252 Rev.
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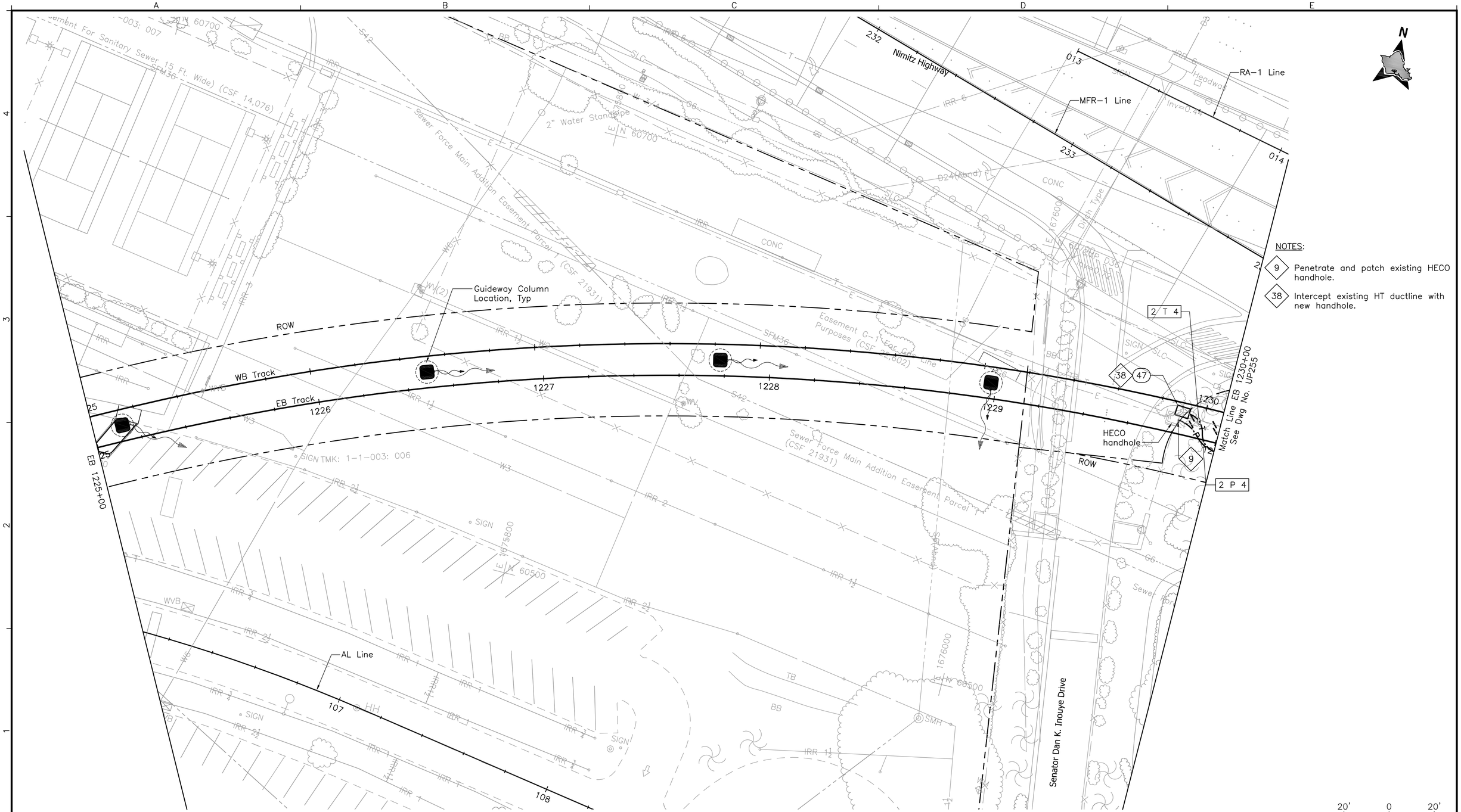

NOTES:

9 Penetrate and patch existing HECO handhole.

38 Intercept existing HT ductline with new handhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10–01–10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1225+00 TO EB 1230+00

Contract No.: SV–430
CADD File: AP–D03–UP254
Drawing No: UP254
Rev.
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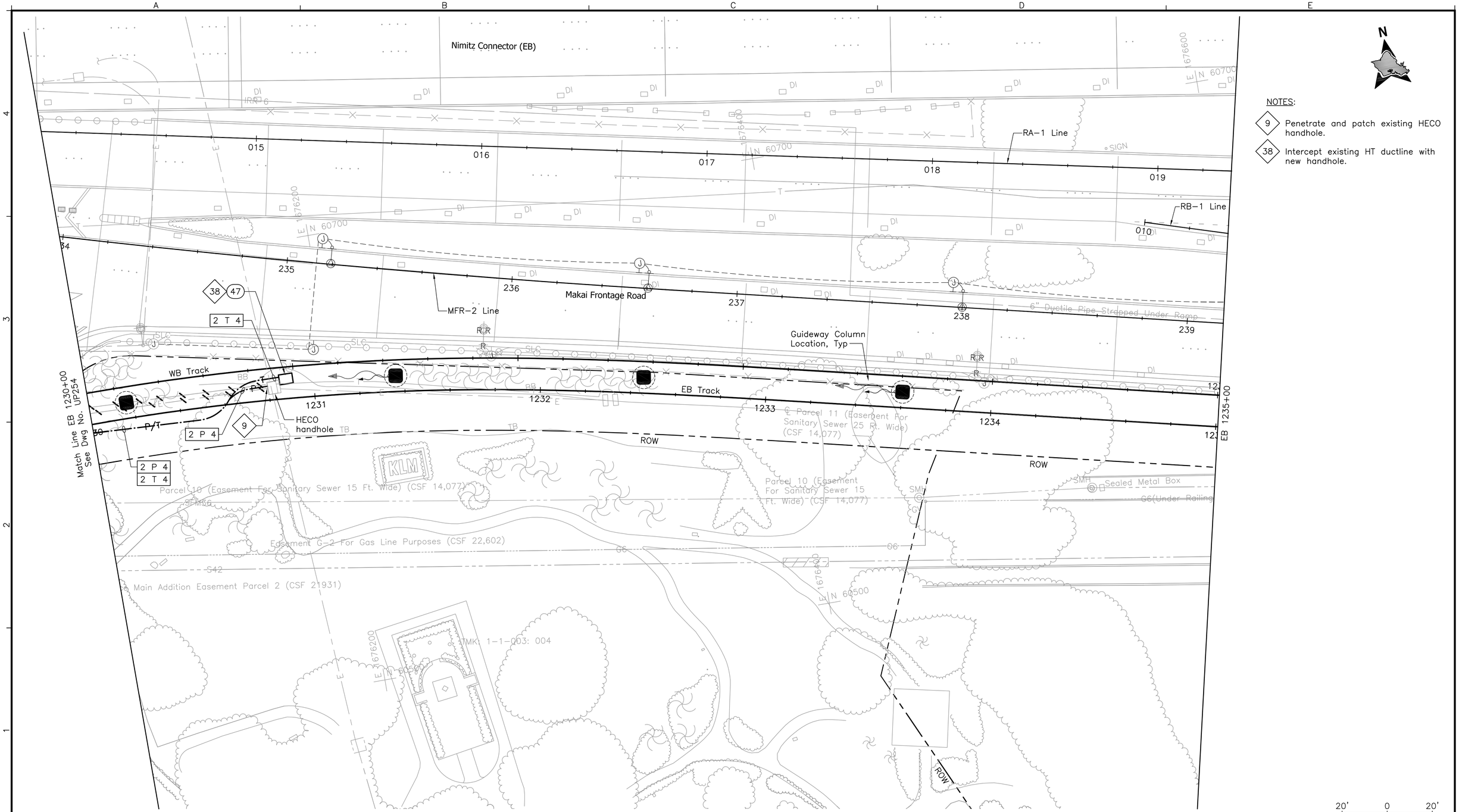

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10–01–10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1230+00 TO EB 1235+00

Contract No.: SV–430
CADD File: AP–D03–UP255
Drawing No: UP255 Rev.
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Page No. 170 of 222

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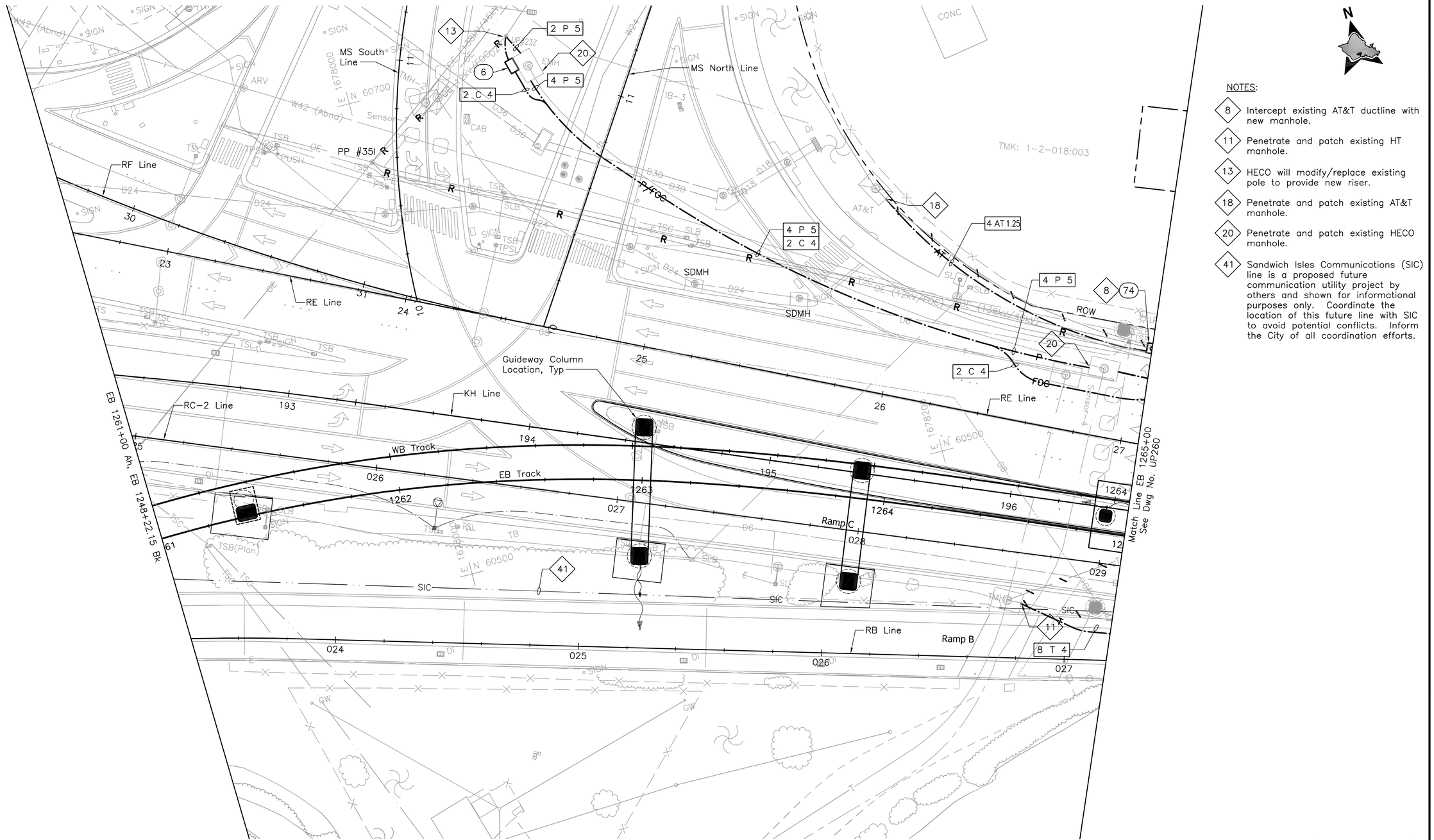

NOTES:

- 8 Intercept existing AT&T ductline with new manhole.
- 11 Penetrate and patch existing HT manhole.
- 13 HECO will modify/replace existing pole to provide new riser.
- 18 Penetrate and patch existing AT&T manhole.
- 20 Penetrate and patch existing HECO manhole.
- 41 Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1261+00 TO EB 1265+00

Contract No.: SV-430
CADD File: AP-D03-UP259
Drawing No: UP259 Rev.
Scale: 1"=20'
Page No. 171 of 222

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NOTES:

- ⟨8⟩ Intercept existing AT&T ductline with new manhole.
- ⟨11⟩ Penetrate and patch existing HT manhole.
- ⟨39⟩ Intercept existing HECO ductline with new manhole.
- ⟨41⟩ Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

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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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1265+00 TO EB 1270+50

Contract No.: SV-430
CADD File: AP-D03-UP260
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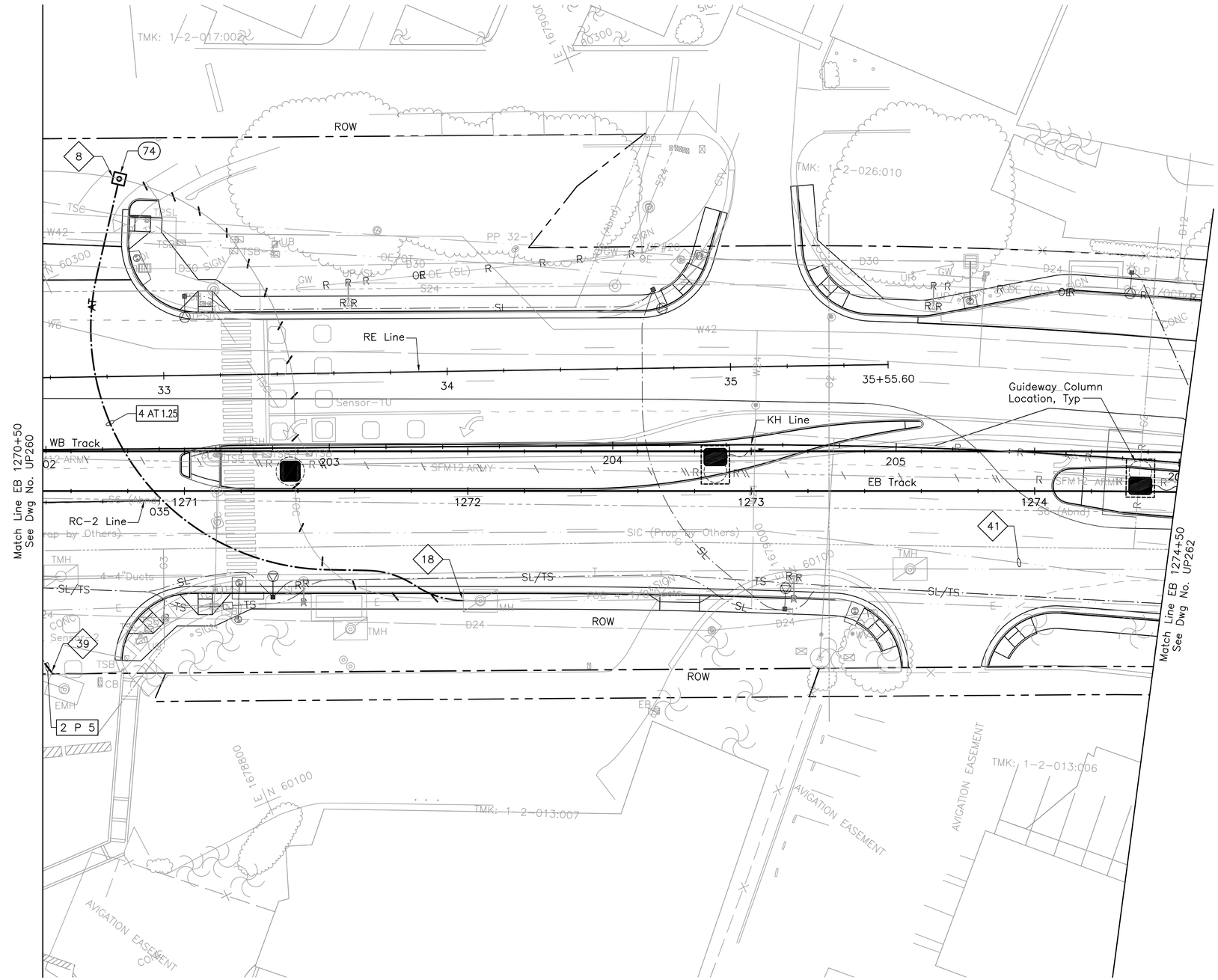
Page No. 172 of 222



NOTES:

8 Intercept existing AT&T ductline with new manhole.

18 Penetrate and patch existing AT&T manhole.

39 Intercept existing HECO ductline with new manhole.

41 Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1270+50 TO EB 1274+50

Contract No.: SV-430
CADD File: AP-D03-UP261
Drawing No: UP261 Rev.
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Page No. 173 of 222

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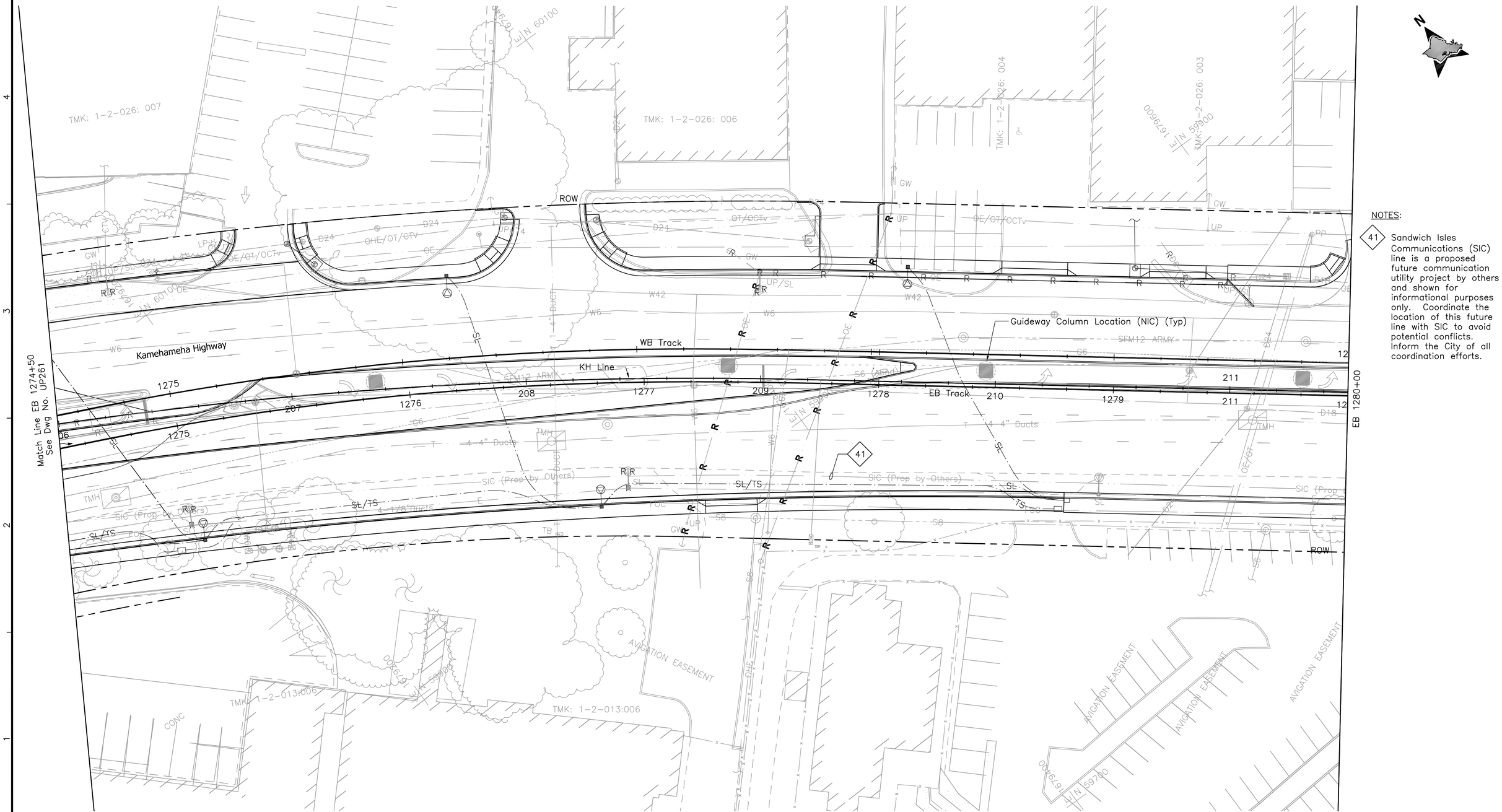

NOTES:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

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AIRPORT GUIDEWAY & UTILITIES

UTILITY RELOCATION PLAN ELECTRICAL & COMMUNICATIONS

EB 1274+50 TO END

Contract No.: SV-430
CADD File: AP-D03-UP262
Drawing No: UP262 Rev.
Scale: 1"=20'
Page No. 174 of 222

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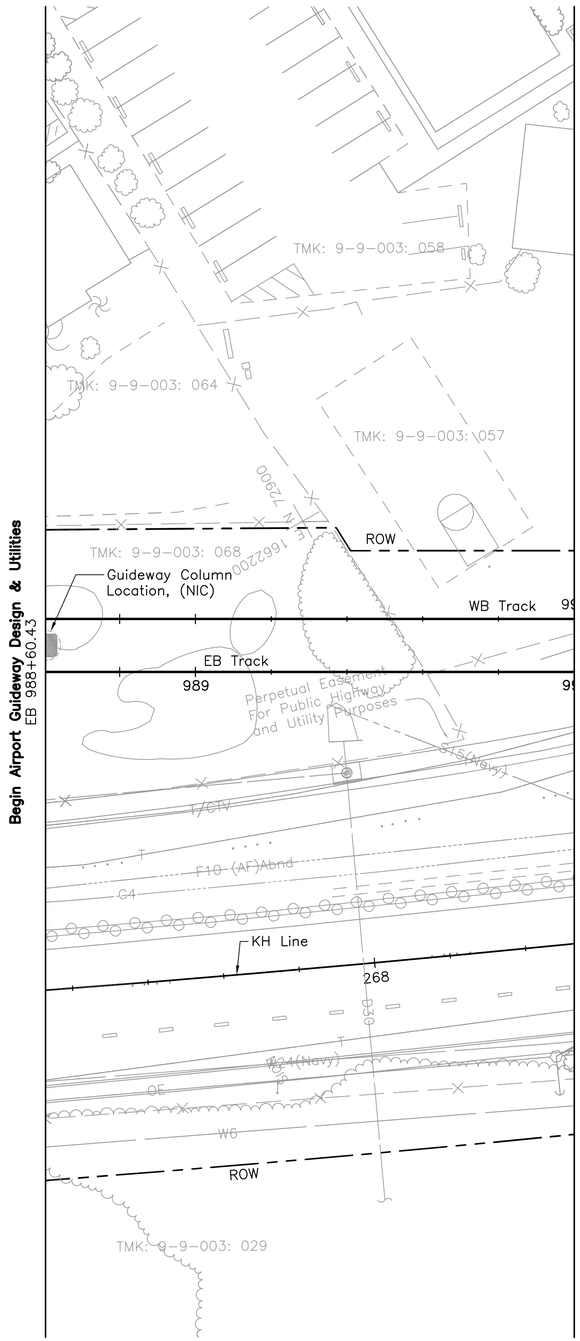

N

20' 0 20'

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Rev	By	Date	Description

Designed: R Katahara
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 988+60.43 TO EB 990+00

Contract No.: SV-430
CADD File: AP-D04-SL006
Drawing No: SL006 Rev.
Scale: 1"=20'
Page No. 178 of 222

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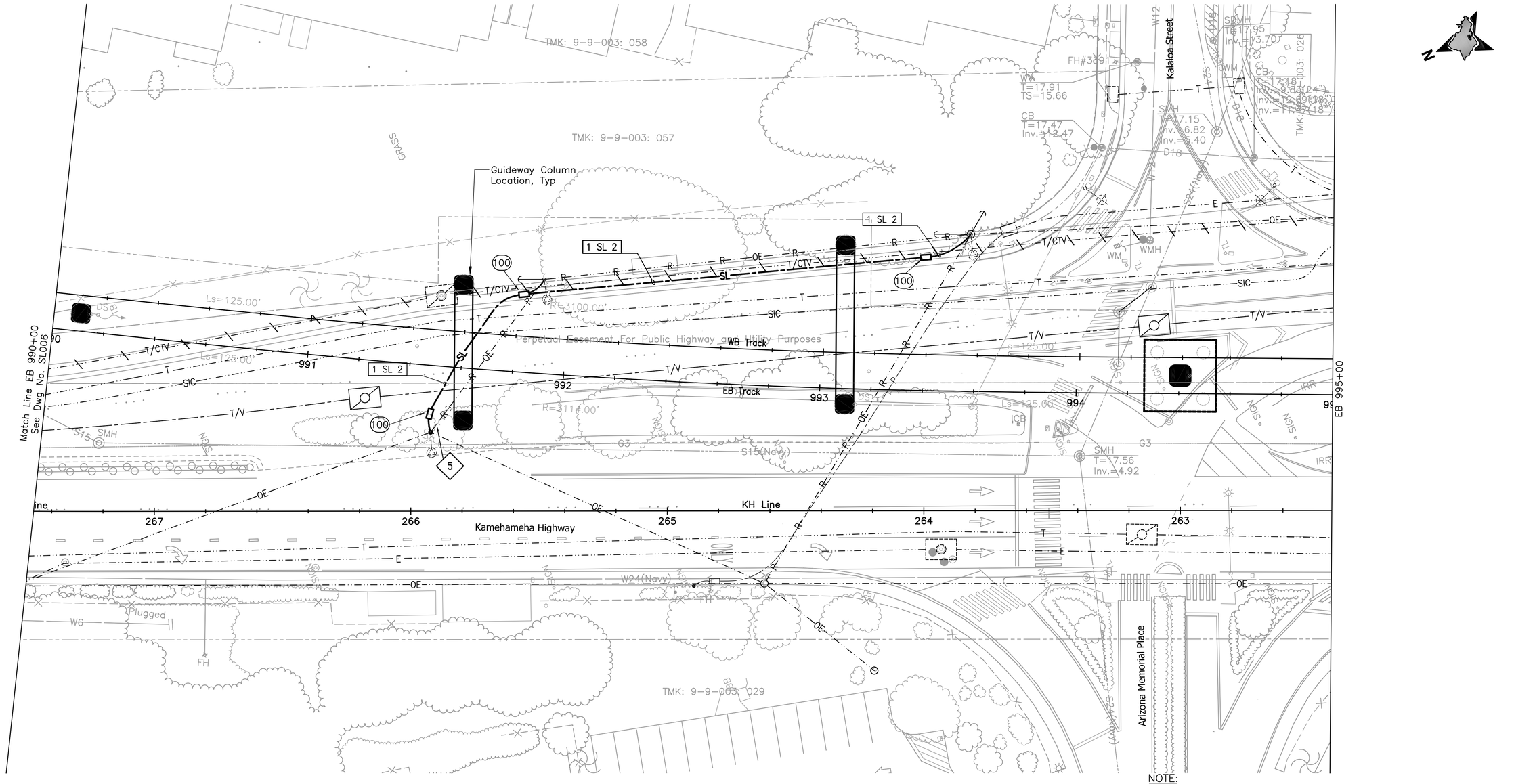

NOTES:

5 HECO will provide anchor and guy-wire.

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 990+00 TO EB 995+00

Contract No.: SV-430
CADD File: AP-D04-SL007
Drawing No: SL007 Rev.
Scale: 1"=20'
Page No. 179 of 222

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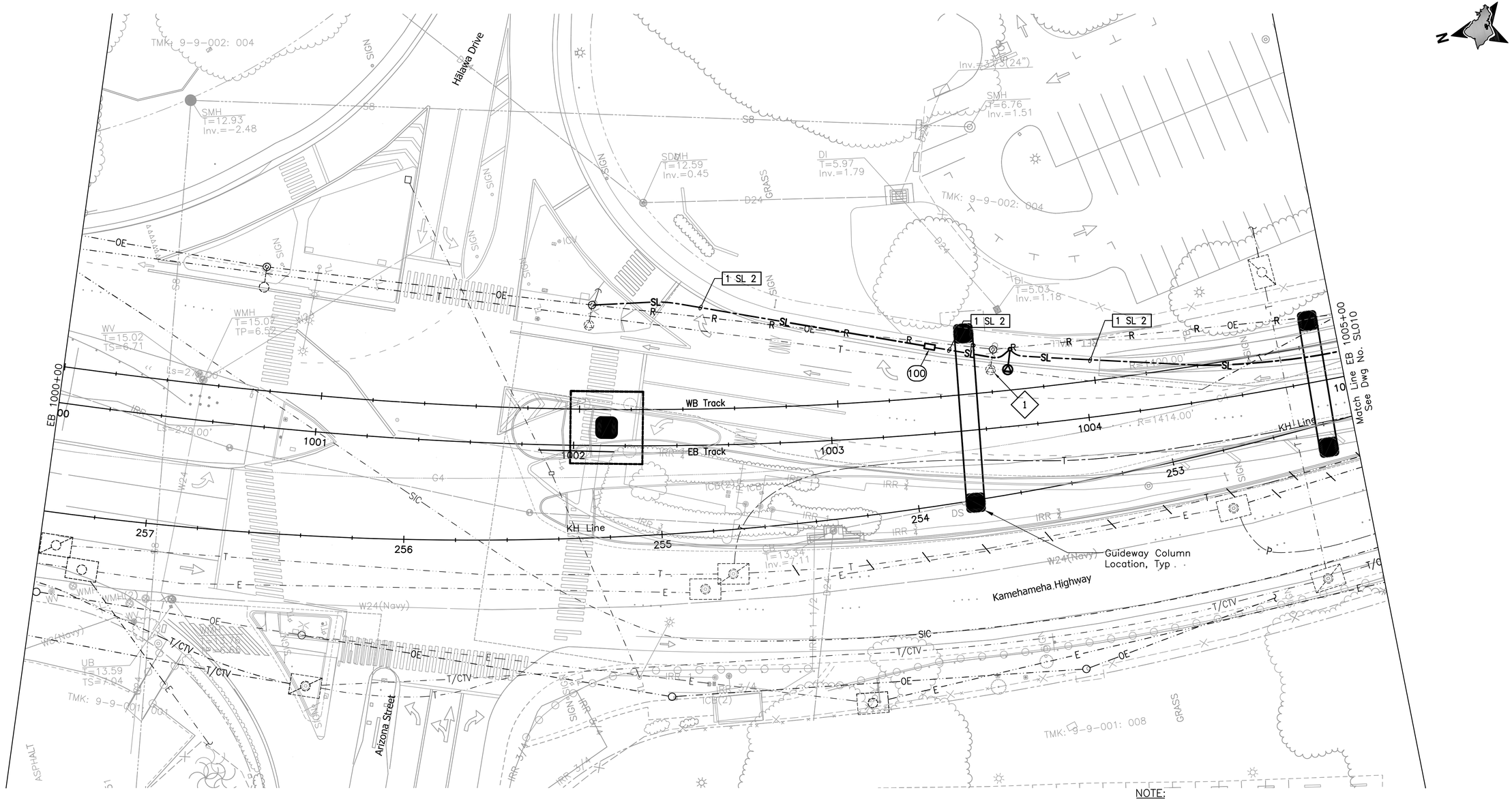

NOTES:

1. Remove existing pole light.

NOTE:

Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the city of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1000+00 TO EB 1005+00

Contract No.: SV-430
CADD File: AP-D04-SL009
Drawing No.: SL009 Rev.:
Scale: 1"=20'
Page No.: 180 of 222

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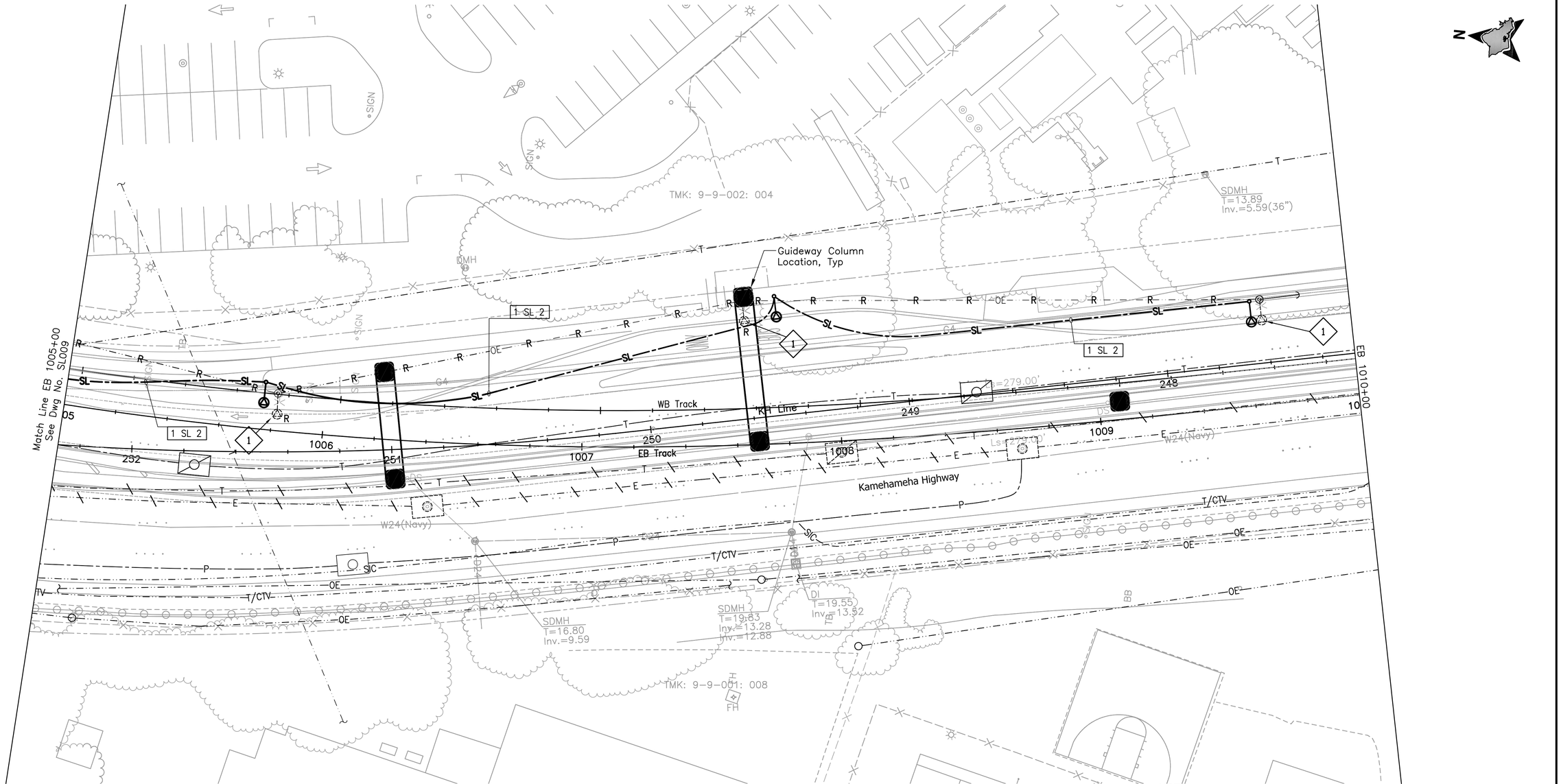

NOTES:

1. Remove existing pole light.

NOTE:

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20' 0 20'

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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HONOLULU, HI 96814

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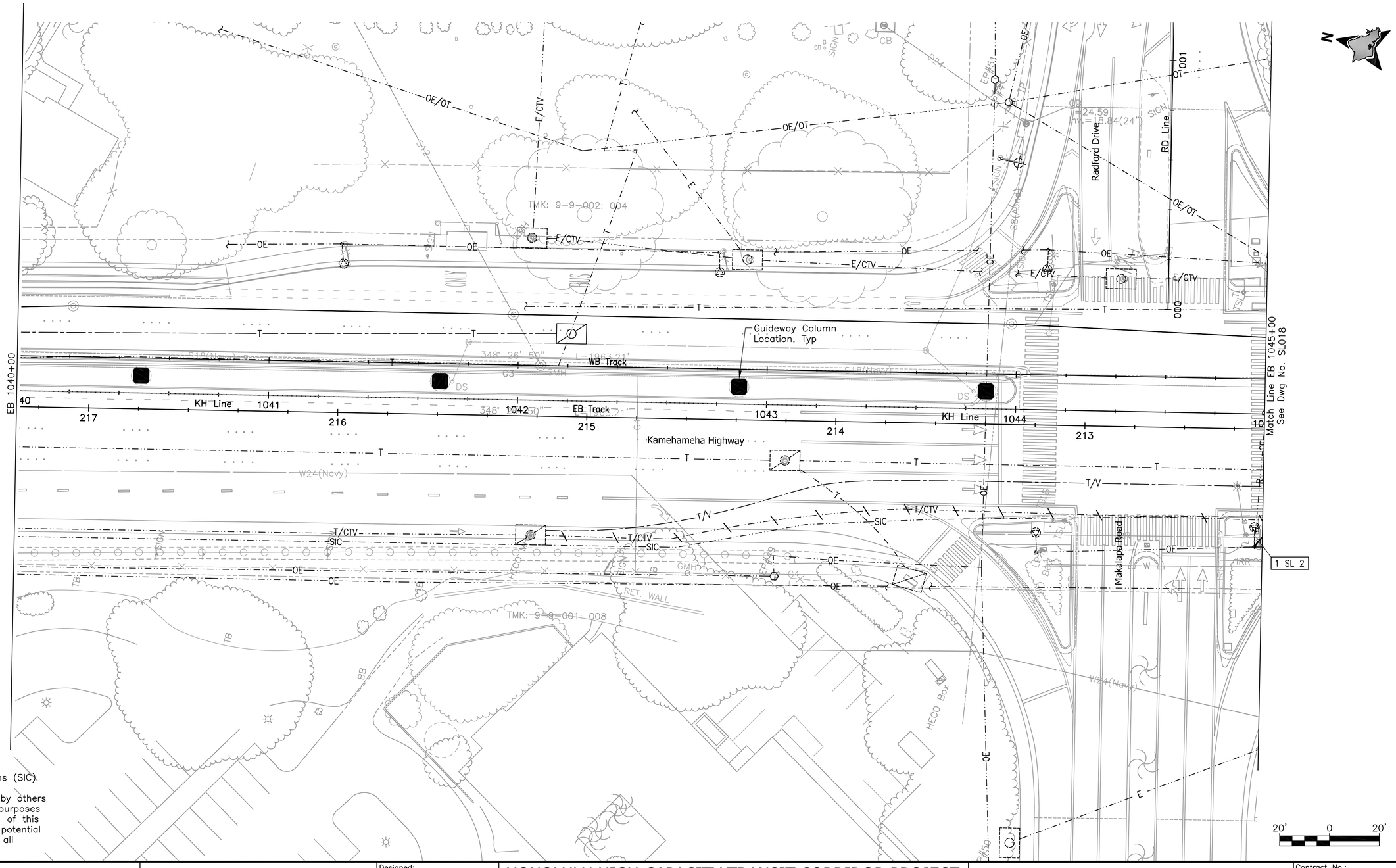
AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1005+00 TO EB 1010+00

Contract No.: SV-430
CADD File: AP-D04-SL010
Drawing No.: SL010 Rev.
Scale: 1"=20'
Page No. 181 of 222

1/19/10-12:12 Y:\060\060.164\60-164 AP-D04-SL001-SL022.S01.dwg



NOTE:

Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the city of all coordination efforts.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB AECOM PARSONS BRINCKERHOFF
1003 Bishop Street, Suite 2250 – Honolulu, HI 96813

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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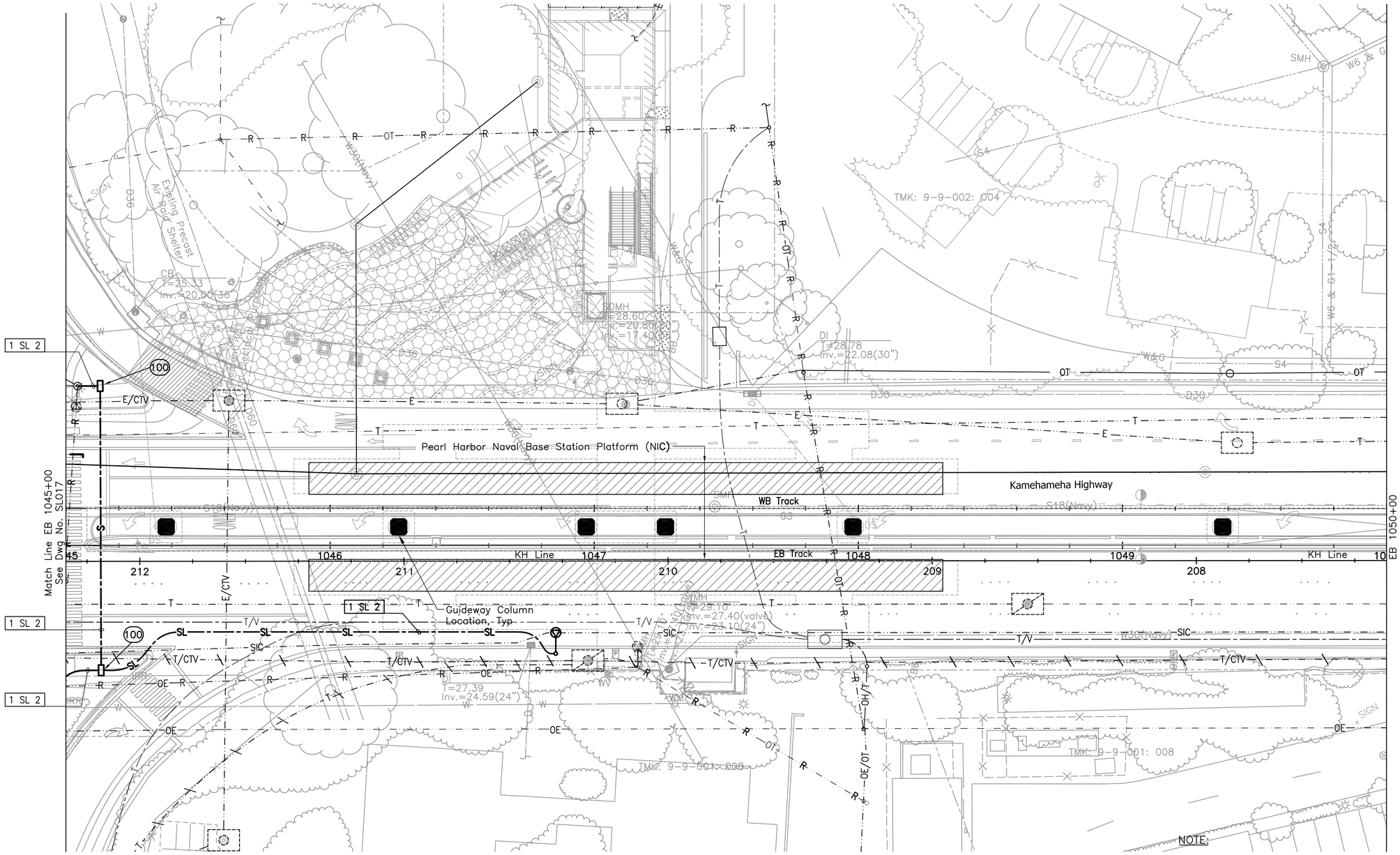
AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1040+00 TO EB 1045+00

Contract No.: SV-430
CADD File: AP-D04-SL017
Drawing No: SL017 Rev.
Scale: 1"=20'
Page No. 182 of 222

1/19/10-12:12 Y:\060\060.164\60-164 AP-D04-SL001-SL022.S01.dwg



NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1045+00 TO EB 1050+00

Contract No.: SV-430
CADD File: AP-D04-SL018
Drawing No: SL018 Rev.
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Page No. 183 of 222

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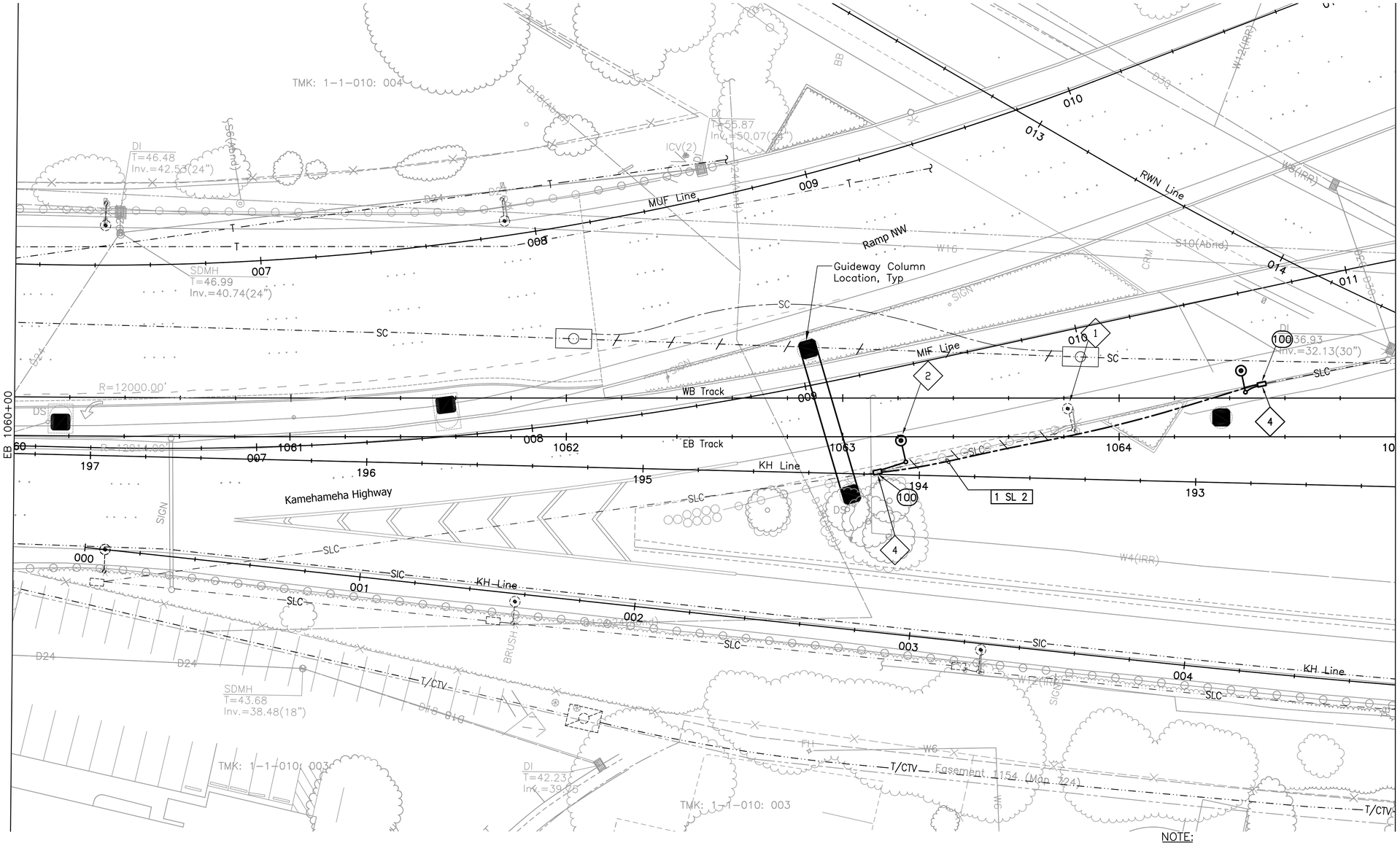

NOTES:

1. Remove existing pole light.
2. Reduced height, shielded pole light.
4. Intercept existing street light duct and cables with new handhole.

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1060+00 TO EB 1065+00

Contract No.: SV-430
CADD File: AP-D04-SL021
Drawing No: SL021 Rev.
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Page No. 184 of 222

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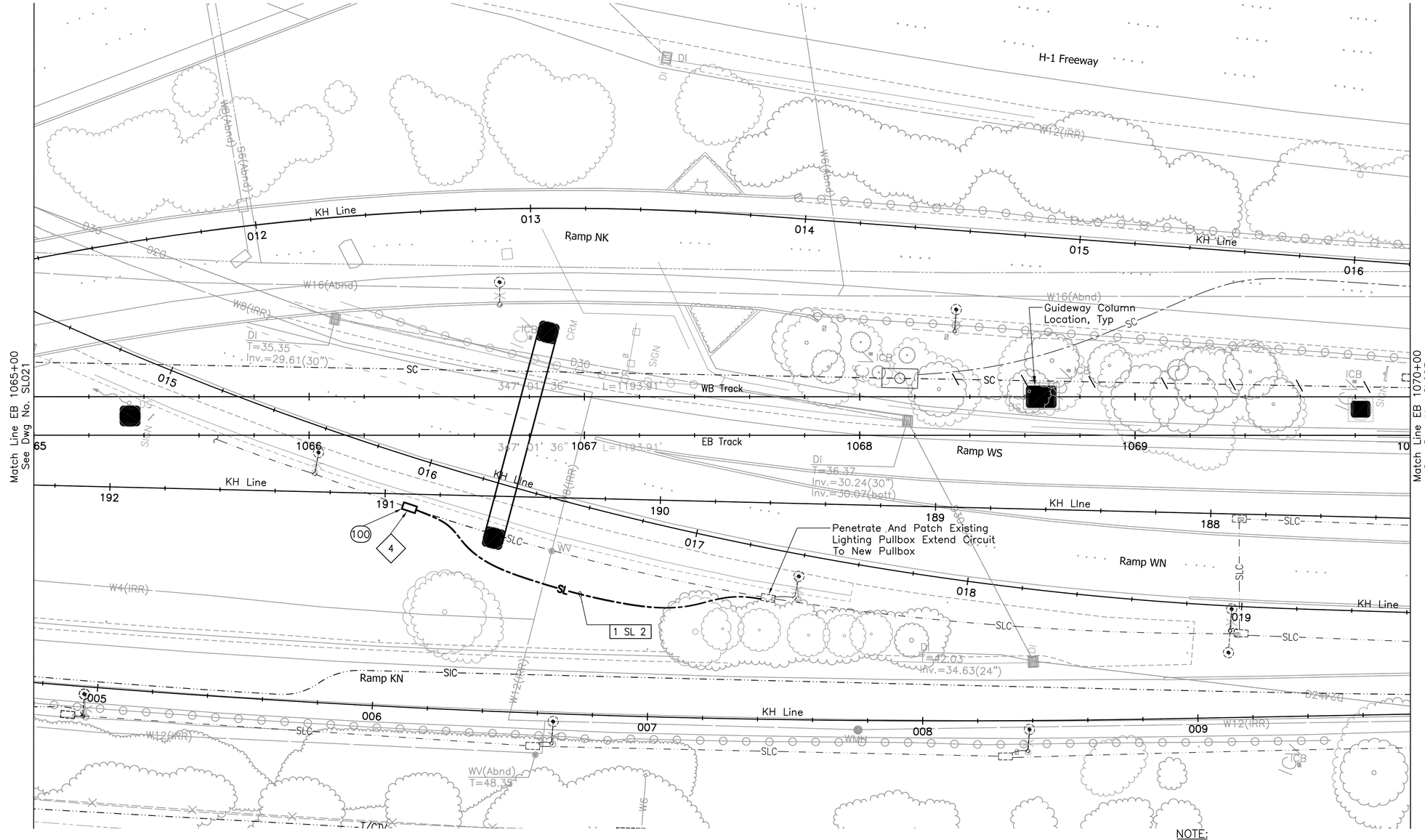

NOTES:

4 Intercept existing street light duct and cables with new handhole.

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1065+00 TO EB 1070+00

Contract No.: SV-430
CADD File: AP-D04-SL022
Drawing No: SL022 Rev.
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Page No. 185 of 222

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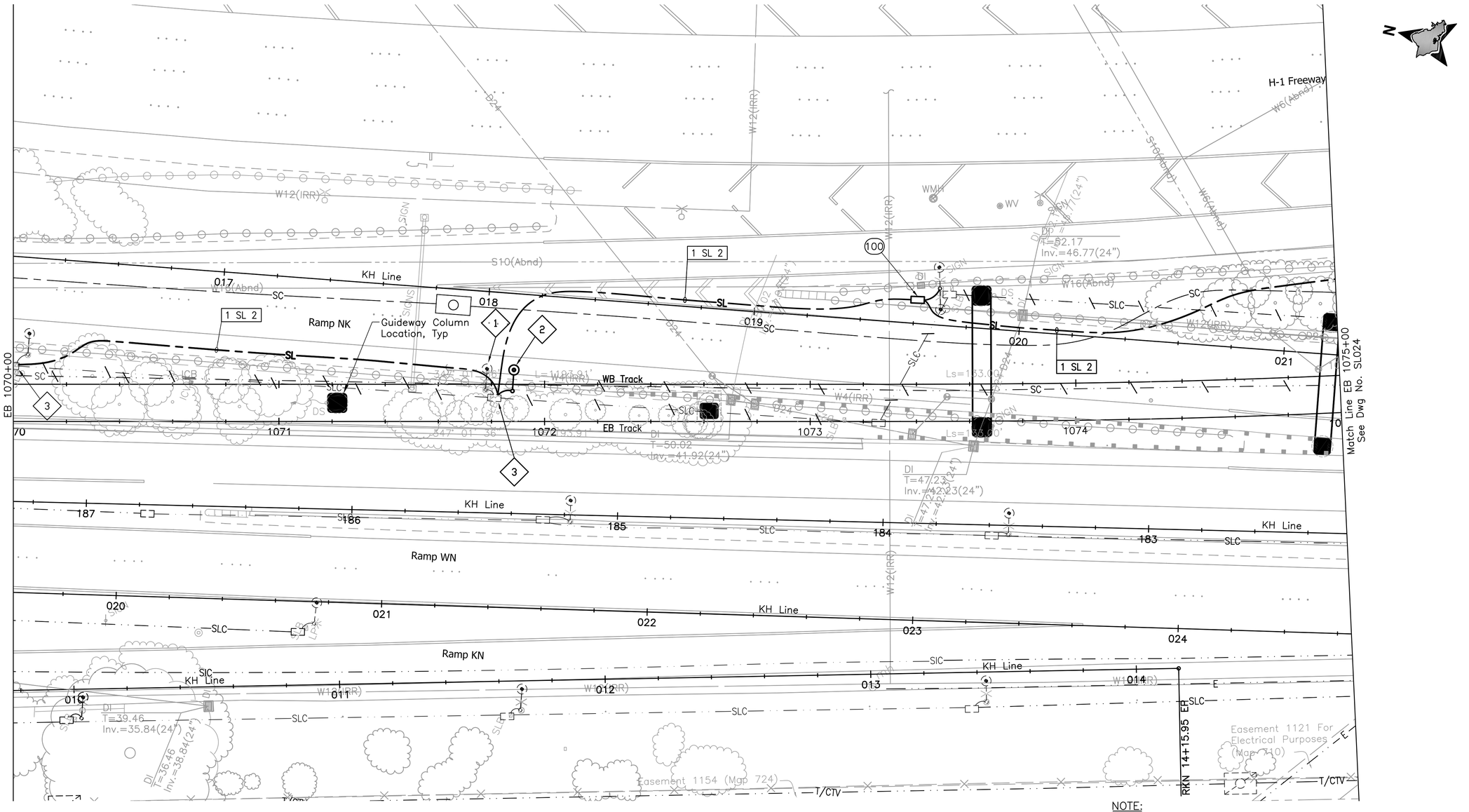

NOTES:

1. Remove existing pole light.
2. Reduced height pole, full cutoff luminaire.
3. Penetrate and patch existing lighting pullbox and extend circuit to new pole light.

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1070+00 TO EB 1075+00

Contract No.: SV-430
CADD File: AP-D04-SL023
Drawing No: SL023 Rev.
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Page No. 186 of 222

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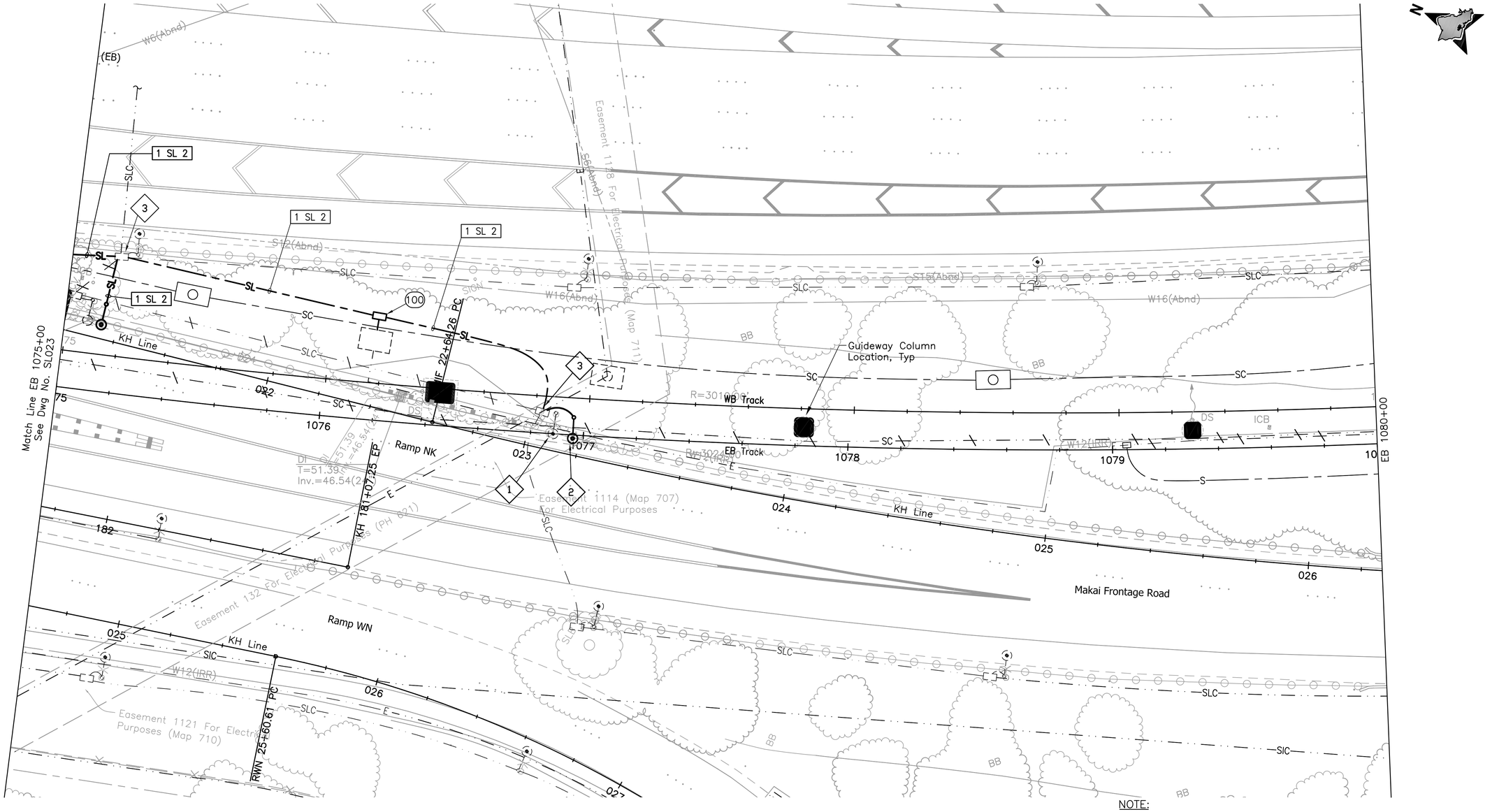

NOTES:

1. Remove existing pole light.
2. Reduced height pole, full cutoff luminaire.
3. Penetrate and patch existing lighting pullbox and extend circuit to new pole light.

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1075+00 TO EB 1080+00

Contract No.: SV-430
CADD File: AP-D04-SL024
Drawing No.: SL024 Rev.:
Scale: 1"=20'
Page No.: 187 of 222

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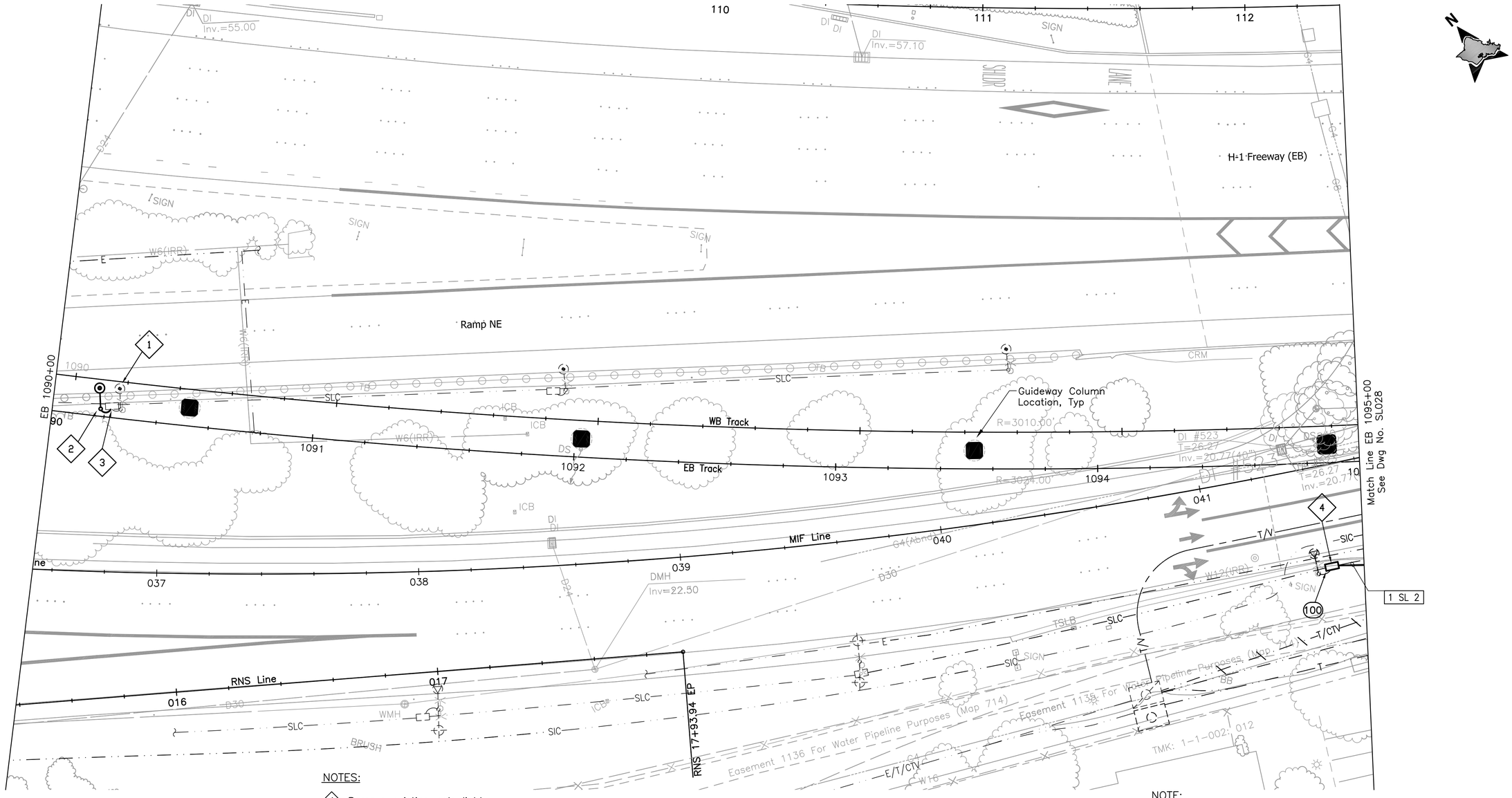

NOTES:

1. Remove existing pole light.
2. Reduced height, shielded pole light.
3. Penetrate and patch existing lighting pullbox and extend circuit to new pole light.
4. Intercept existing street light duct and cables with new handhole.

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1090+00 TO EB 1095+00

Contract No.: SV-430
CADD File: AP-D04-SL027
Drawing No: SL027 Rev.
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Page No. 188 of 222

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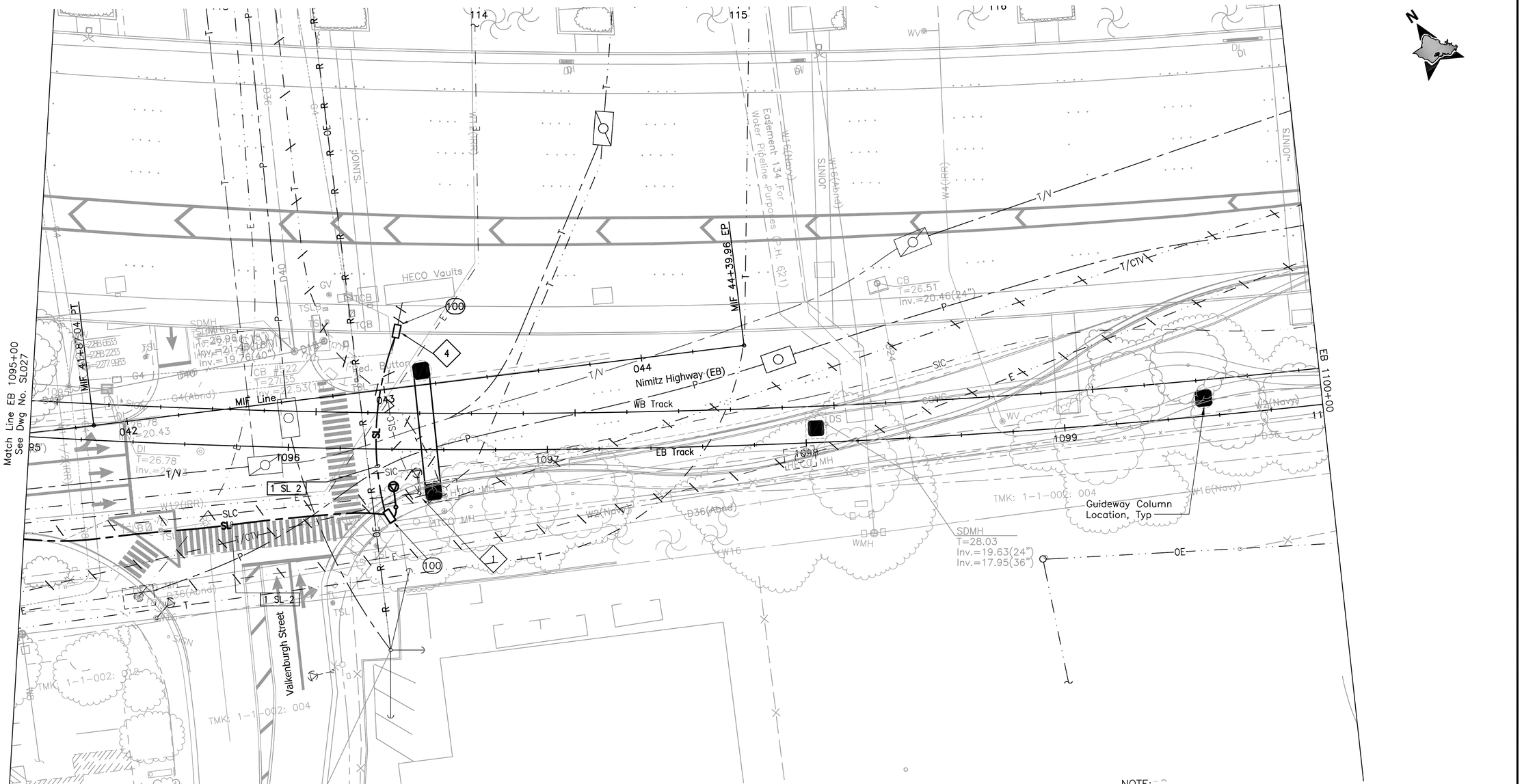

NOTES:

1. Remove existing pole light.
4. Intercept existing street light duct and cables with new handhole.

NOTE:

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Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

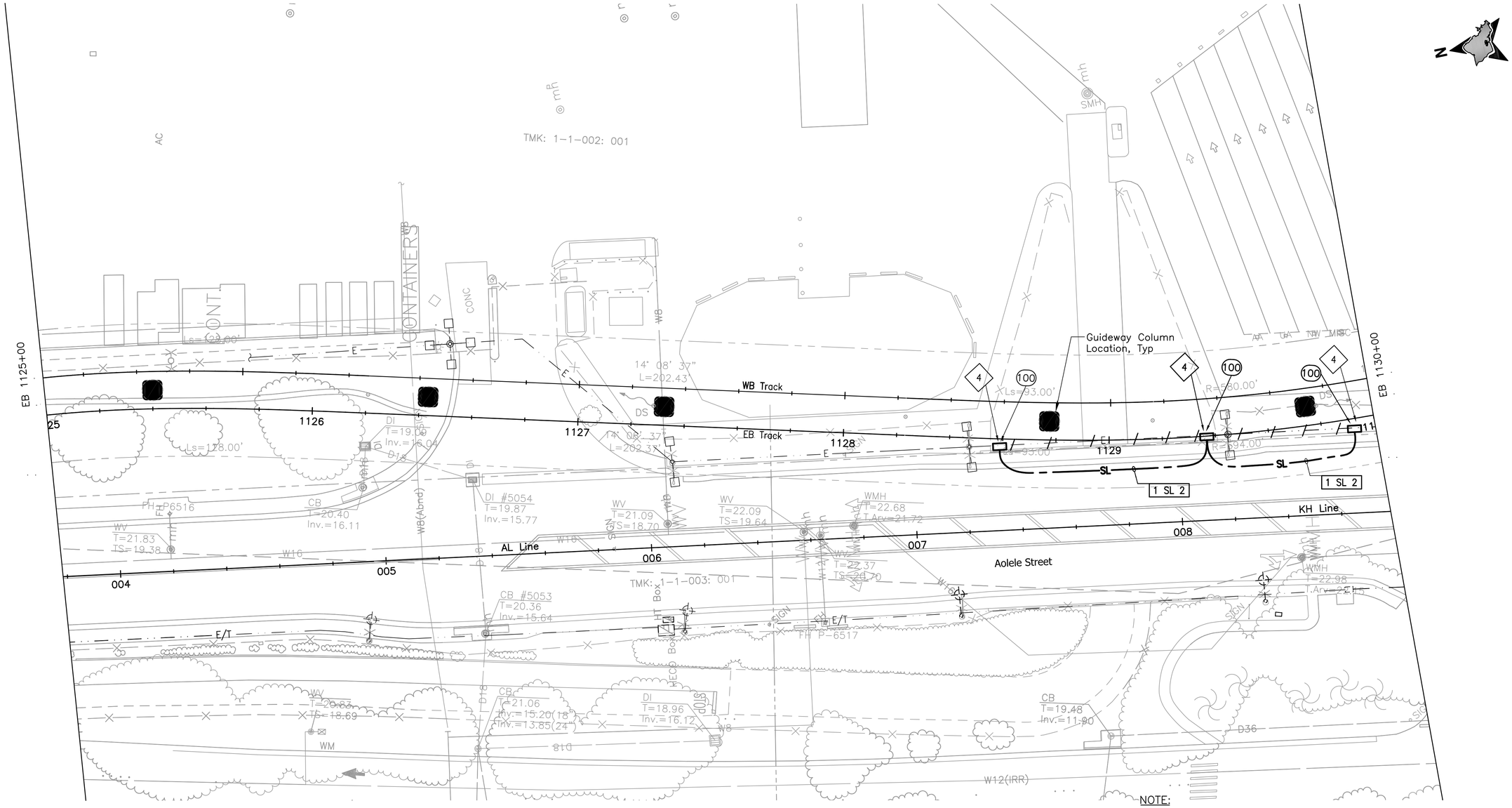
For reduced prints, original page size in inches: 0 1 2 3 4

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1095+00 TO EB 1100+00

Contract No.: SV-430
CADD File: AP-D04-SL028
Drawing No.: SL028
Rev.:
Scale: 1"=20'
Page No.: 189 of 222



NOTES:

4 Intercept existing street light duct and cables with new handhole.

NOTE:

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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1125+00 TO EB 1130+00

Contract No.: SV-430
CADD File: AP-D04-SL034
Drawing No: SL034 Rev.
Scale: 1"=20'
Page No. 190 of 222

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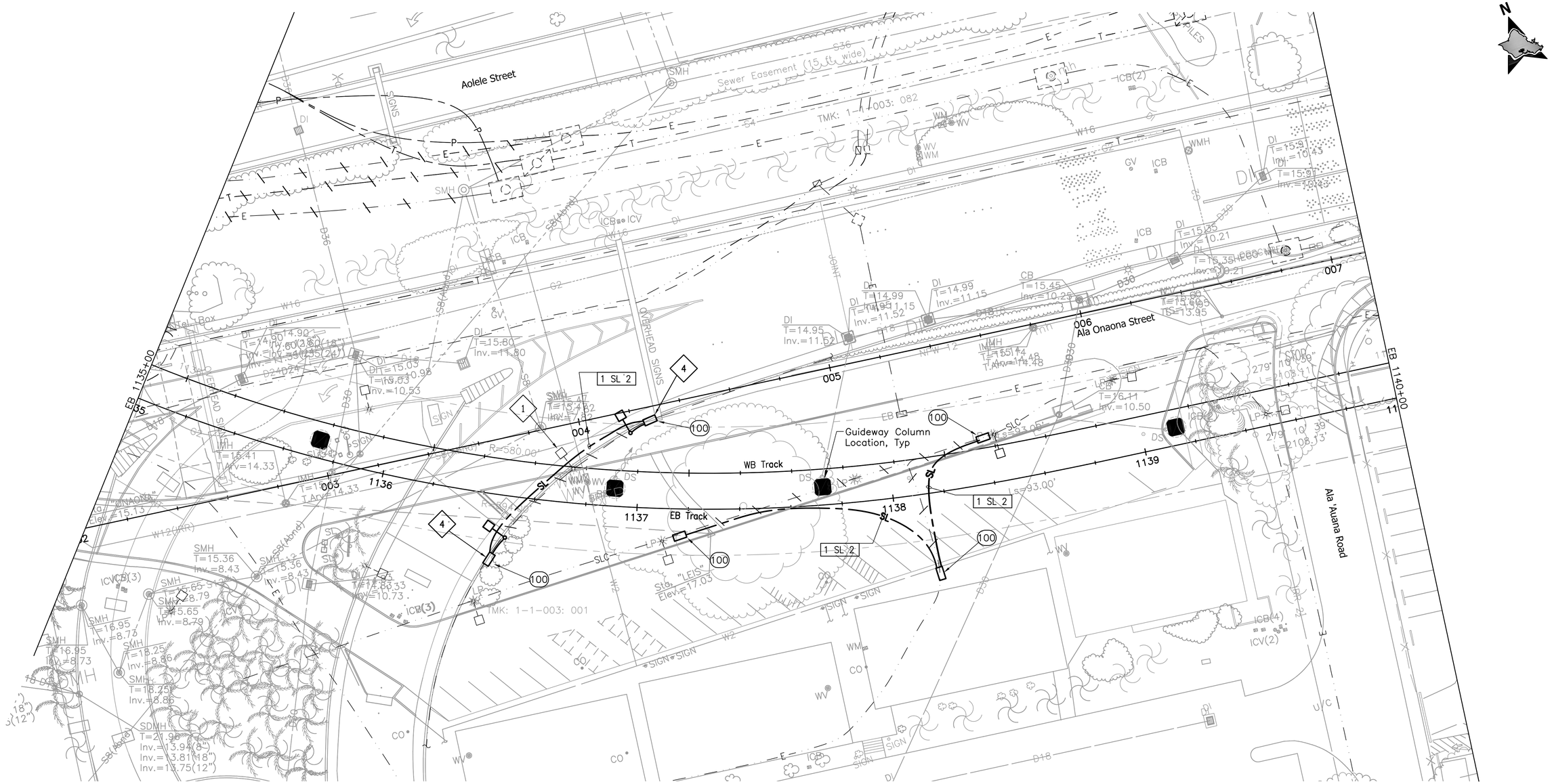

NOTES:

1. Remove existing pole light.
4. Intercept existing street light duct and cables with new handhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1135+00 TO EB 1140+00

Contract No.: SV-430
CADD File: AP-D04-SL036
Drawing No.: SL036 Rev.
Scale: 1"=20'
Page No.: 191 of 222

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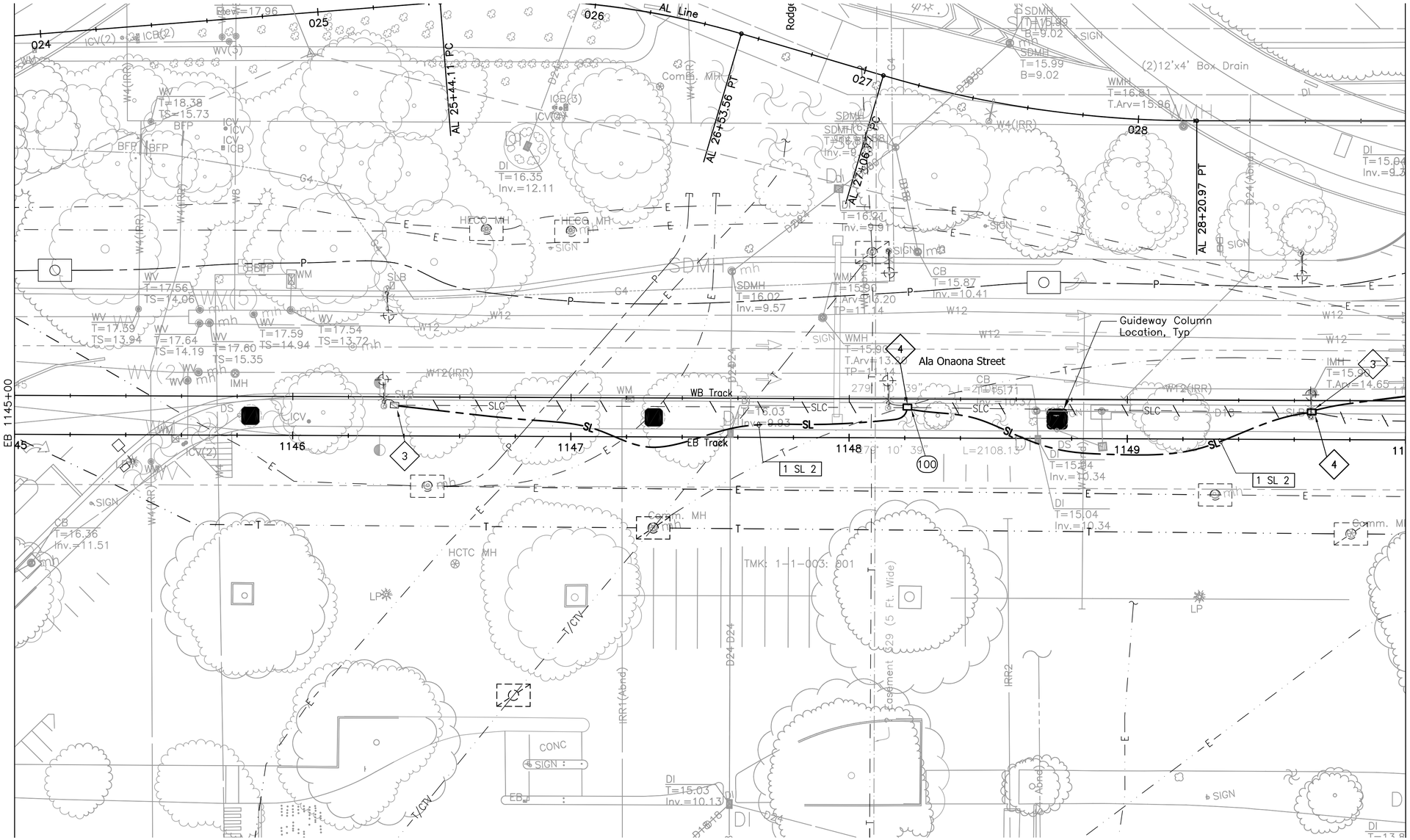

NOTES:

3. Penetrate and patch existing lighting pullbox and extend circuit to new pole light.

4. Intercept existing street light duct and cables with new handhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed:	T Higa
Drawn:	I Pascua
Checked:	L Nishimura
Approved:	L Nishimura
Date:	10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF

1003 Bishop Street, Suite 2250 – Honolulu, HI 96813

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1145+00 TO EB 1150+00

Contract No.:	SV-430
CADD File:	AP-D04-SL038
Drawing No:	SL038
Rev.	
Scale:	1"=20'
Page No.	192 of 222

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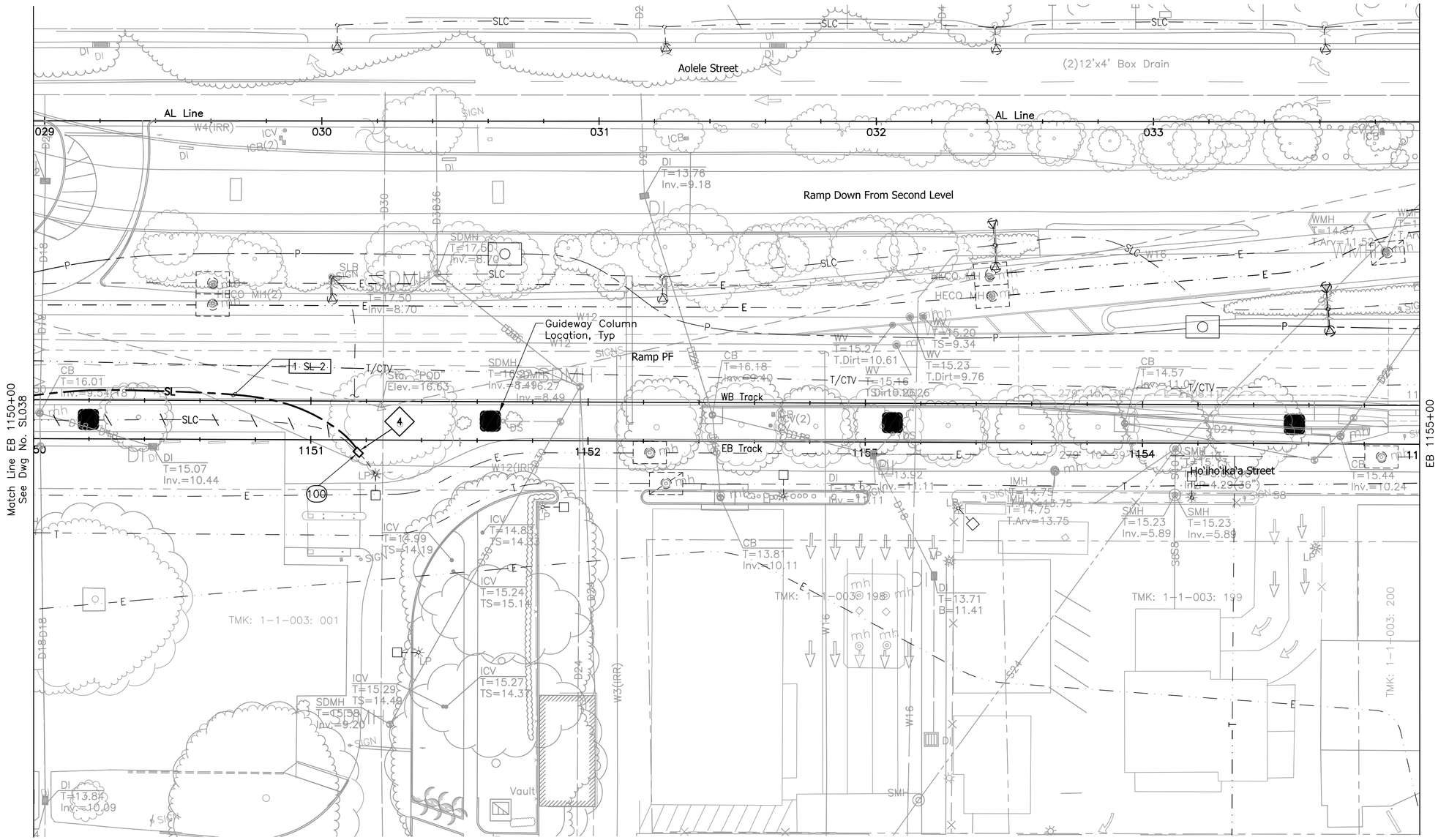

NOTES:

4 Intercept existing street light duct and cables with new handhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1150+00 TO EB 1155+00

Contract No.: SV-430
CADD File: AP-D04-SL039
Drawing No: SL039 Rev.
Scale: 1"=20'
Page No. 193 of 222

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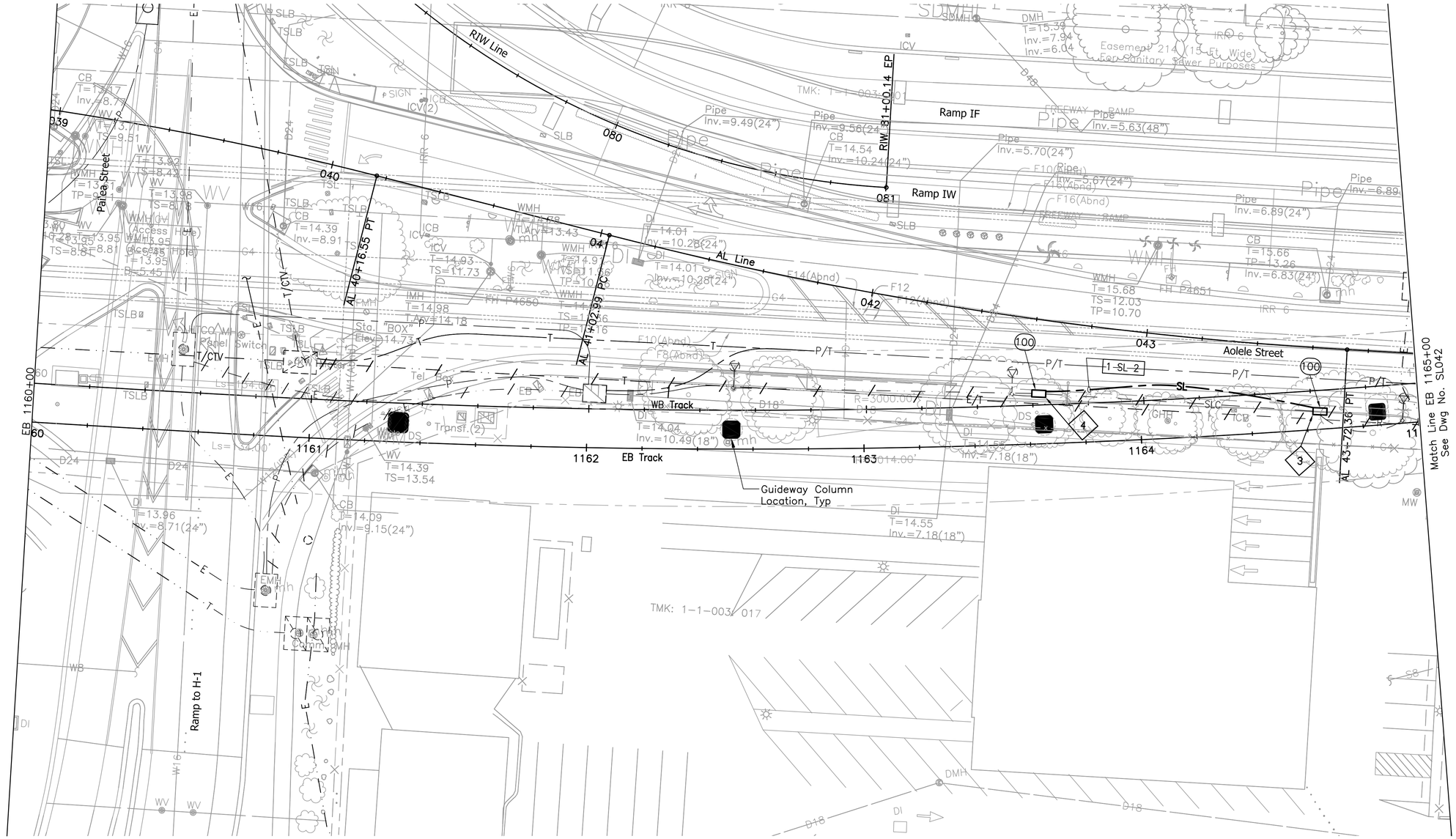

N

NOTES:

3 Penetrate and patch existing lighting pullbox and extend circuit to new pole light.

4 Intercept existing street light duct and cables with new handhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC. 615 PIIKOI ST., SUITE 207 HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1160+00 TO EB 1165+00

Contract No.: SV-430
CADD File: AP-D04-SL041
Drawing No: SL041 Rev.
Scale: 1"=20'
Page No. 194 of 222

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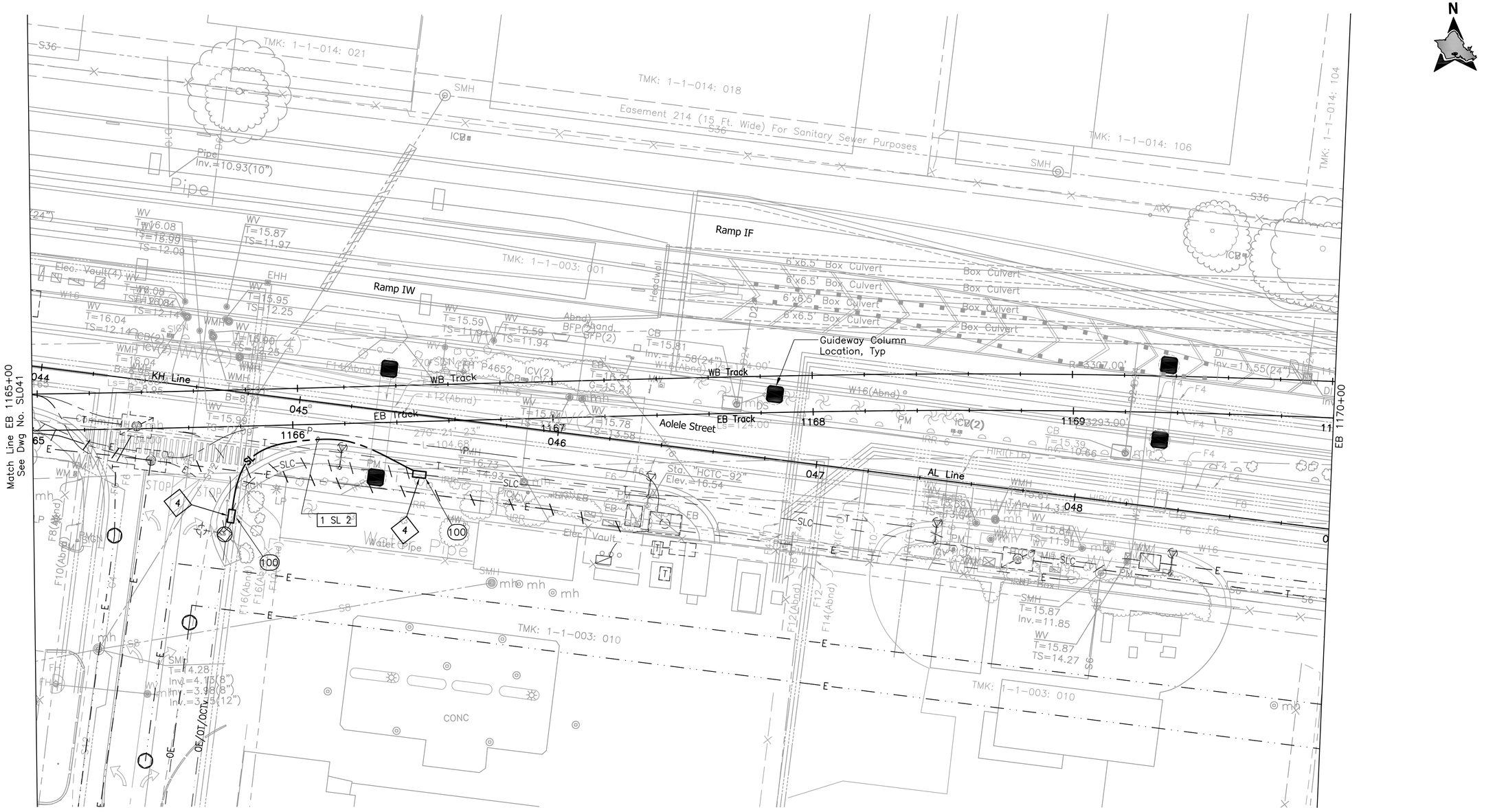

NOTES:

4 Intercept existing street light duct and cables with new handhole.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: T Higa
Drawn: I Pascua
Checked: L Nishimura
Approved: L Nishimura
Date: 10-01-10

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

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

Subconsultant: ECS, INC.
615 PIIKOI ST., SUITE 207
HONOLULU, HI 96814

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1165+00 TO EB 1170+00

Contract No.: SV-430
CADD File: AP-D04-SL042
Drawing No: SL042 Rev.
Scale: 1"=20'
Page No. 195 of 222

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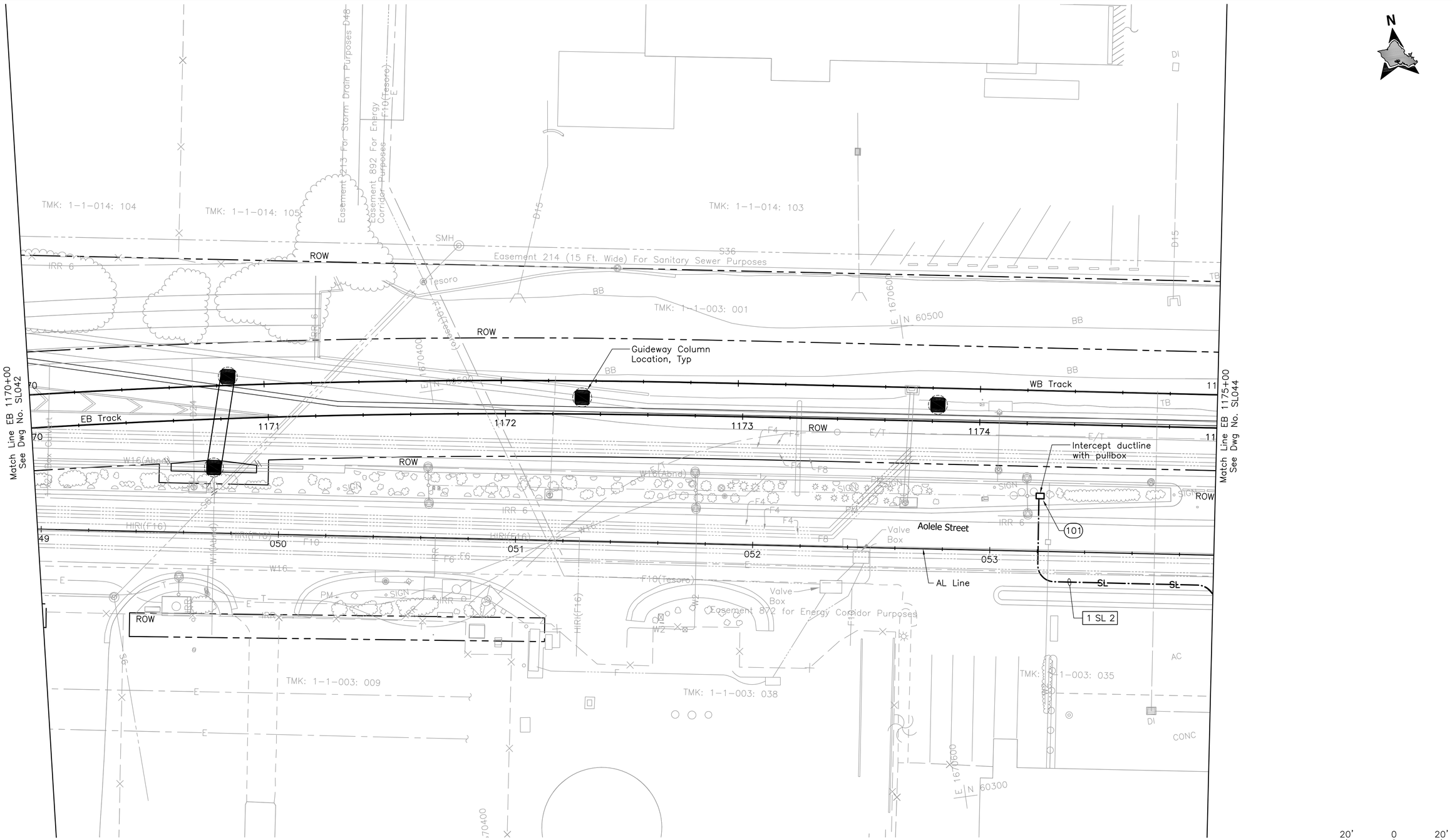

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: R Katahara
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: MKengineers
286 Kalihi Street
Honolulu, Hawaii 96819
Phone: (808) 848-8622
Fax: (808) 848-5574
E-Mail: info@mkhawaii.com

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

AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1170+00 TO EB 1175+00

Contract No.: SV-430
CADD File: AP-D04-SL043
Drawing No: SL043 Rev.
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Page No. 196 of 222

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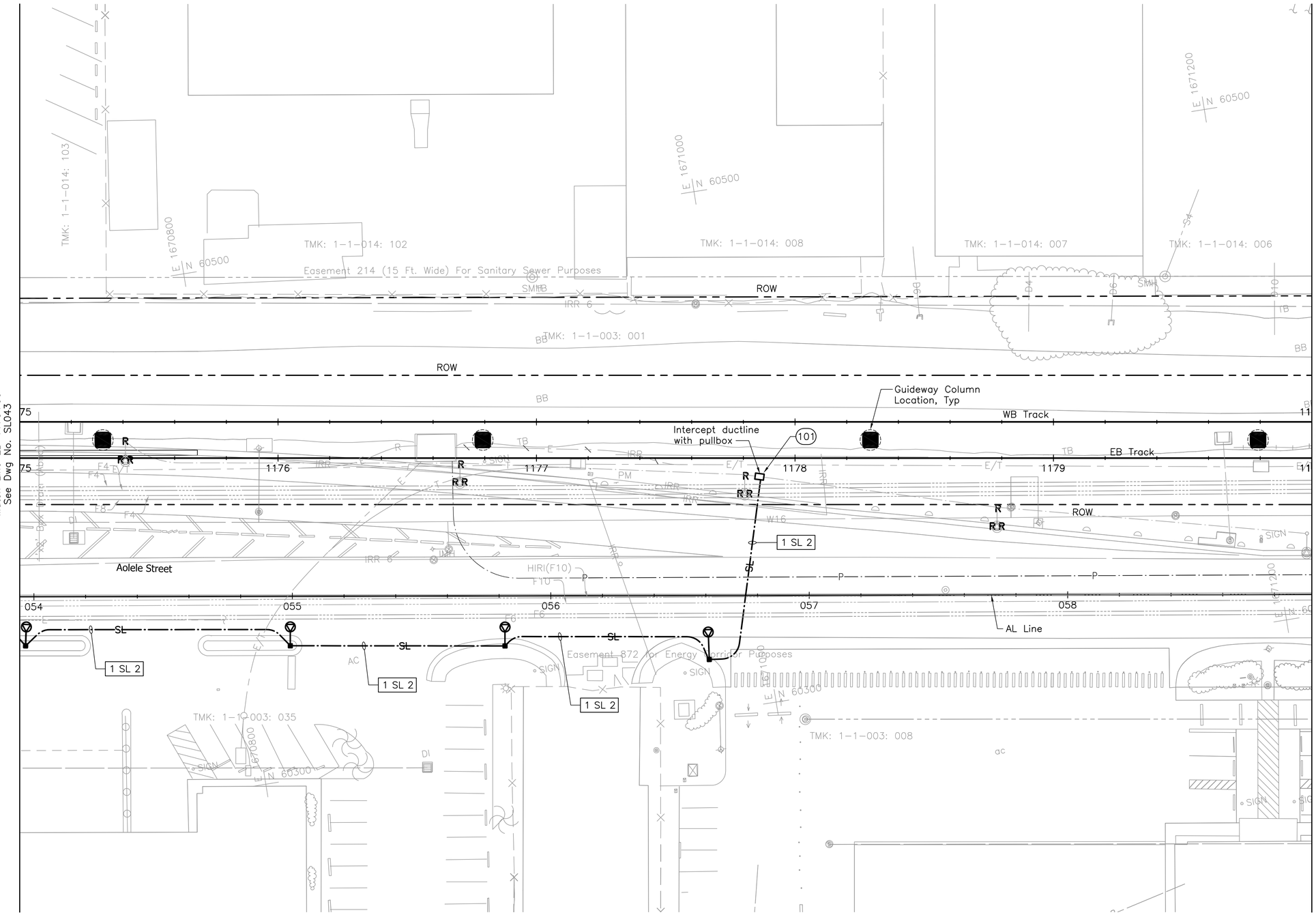

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: R Katahara
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1175+00 TO EB 1180+00

Contract No.: SV-430
CADD File: AP-D04-SL044
Drawing No: SL044 | Rev.
Scale: 1"=20'
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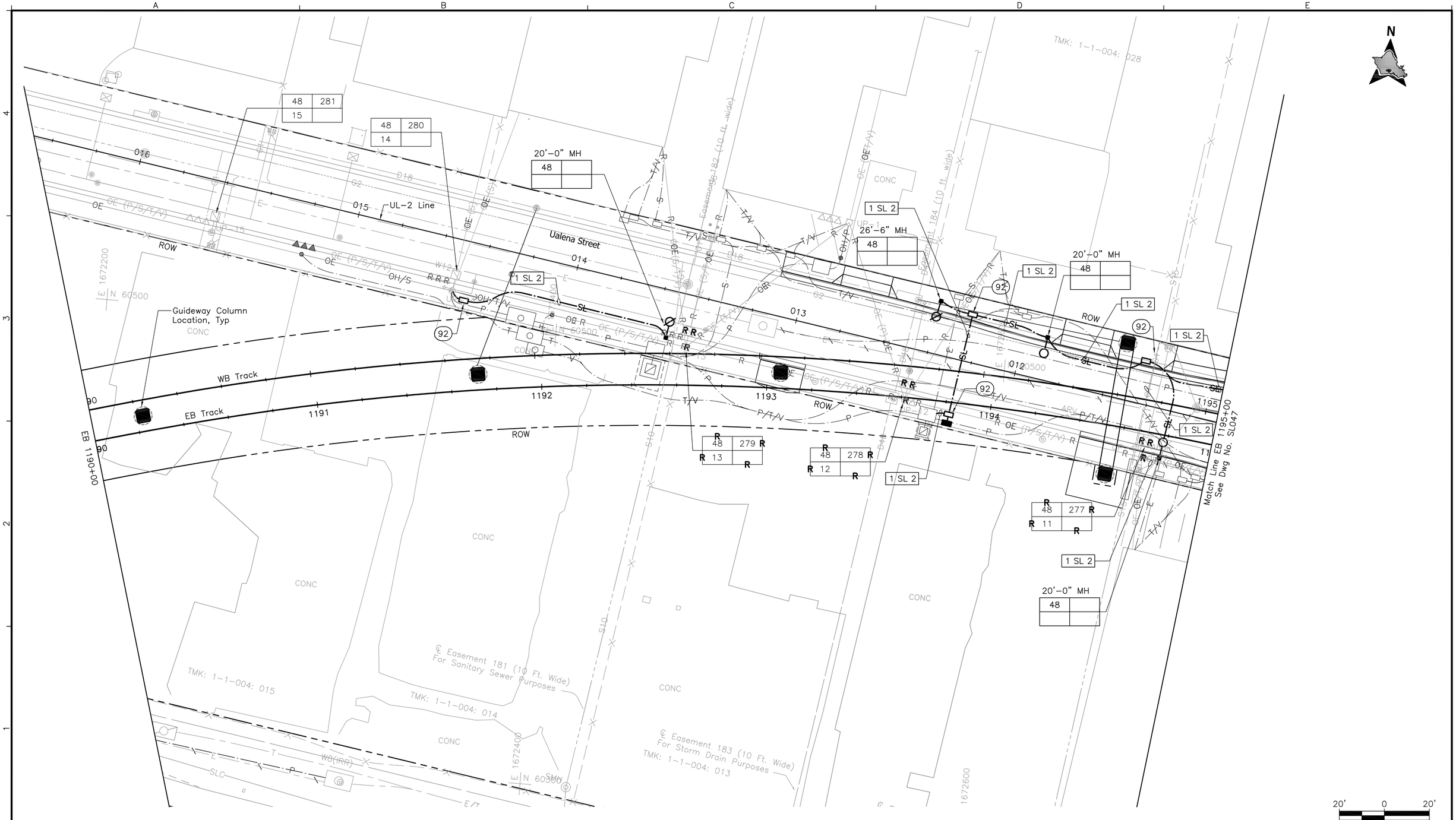

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

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Drawn:	D Saito
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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1190+00 TO EB 1195+00

Contract No.:	SV–430
CADD File:	AP–D04–SL047
Drawing No:	SL047
Rev.	
Scale:	1"=20'
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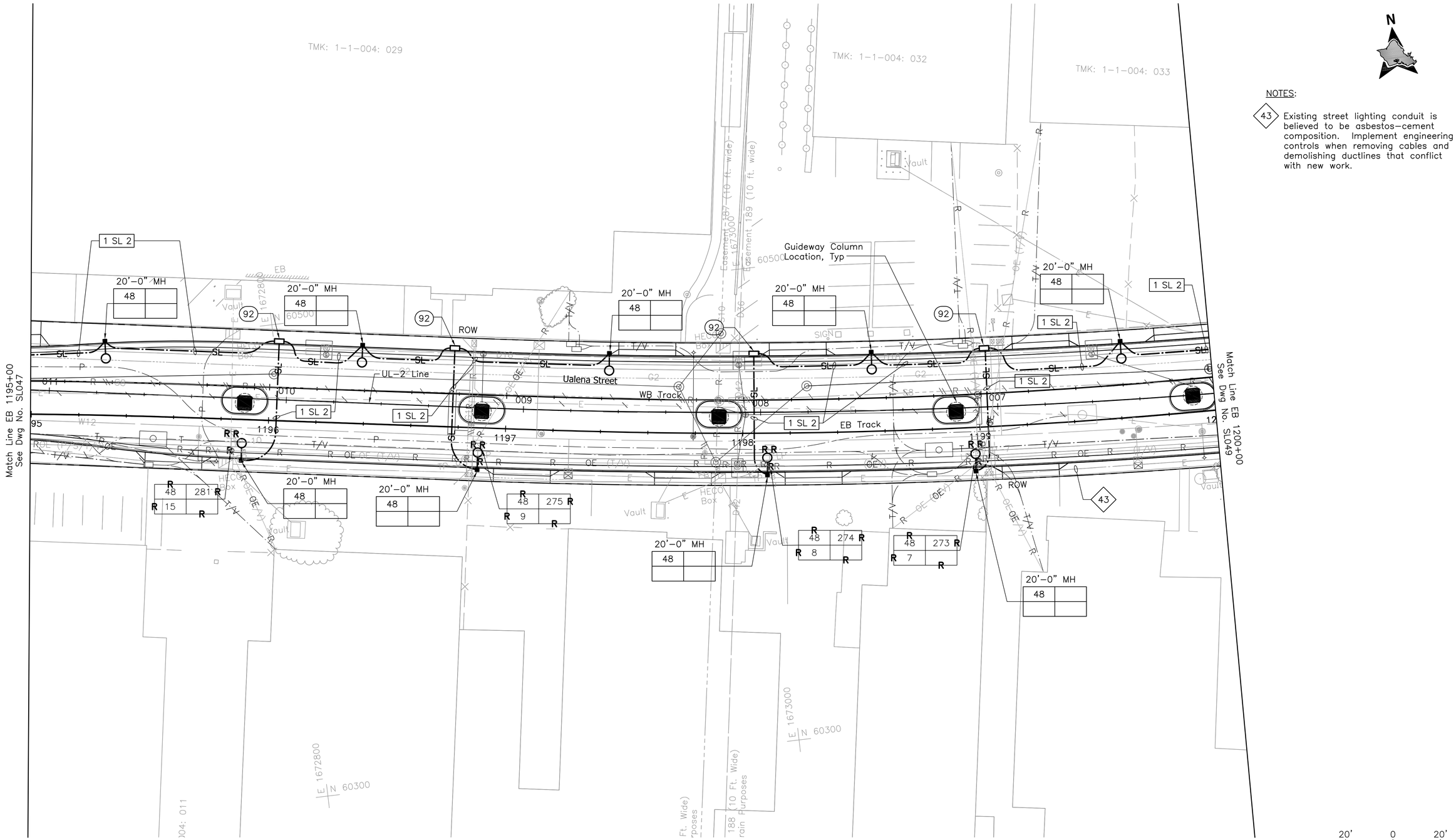

NOTES:

43 Existing street lighting conduit is believed to be asbestos-cement composition. Implement engineering controls when removing cables and demolishing ductlines that conflict with new work.

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1195+00 TO EB 1200+00

Contract No.: SV-430
CADD File: AP-D04-SL048
Drawing No: SL048
Rev.
Scale: 1"=20'
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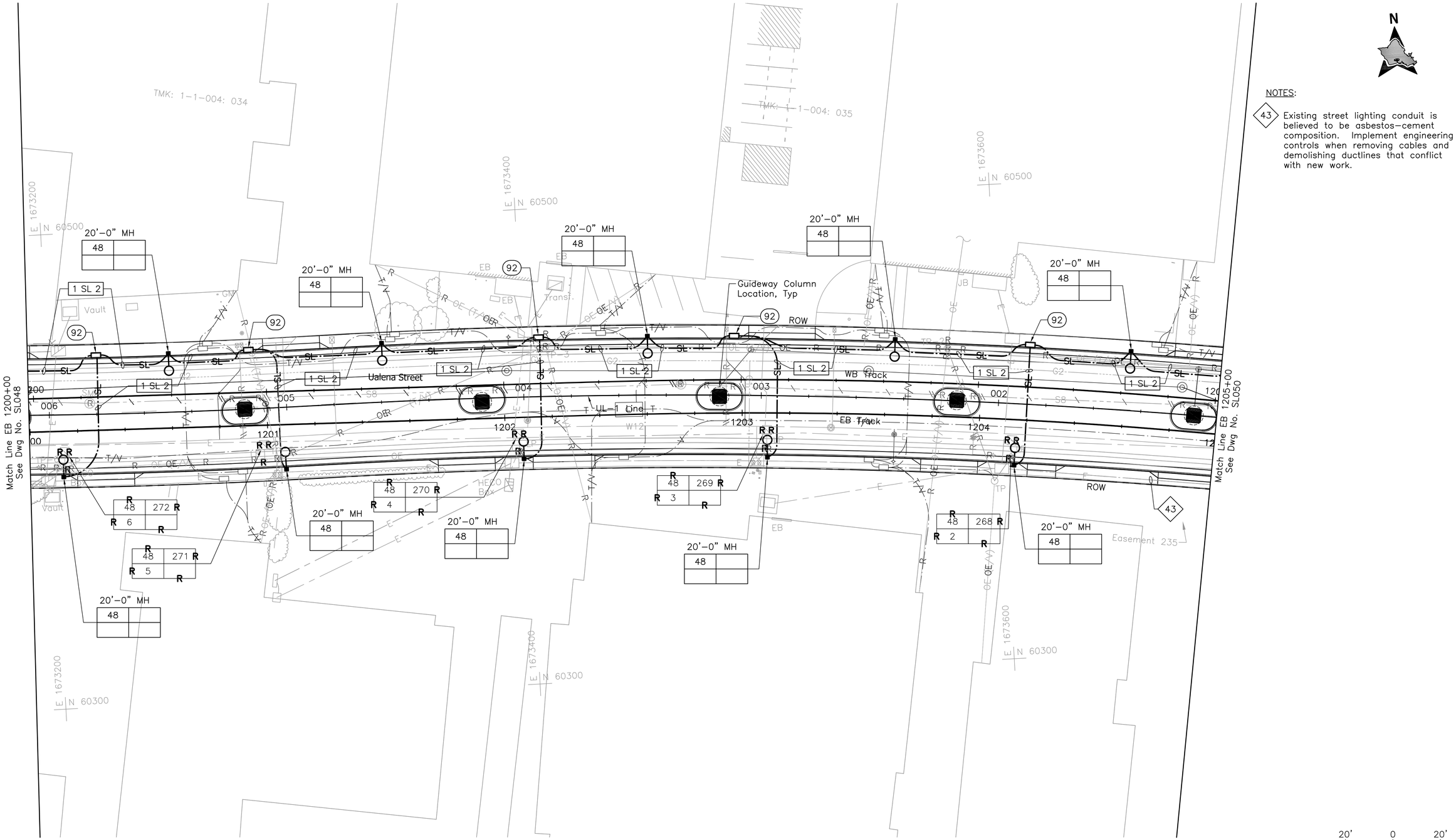

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1200+00 TO EB 1205+00

Contract No.: SV-430
CADD File: AP-D04-SL049
Drawing No: SL049 Rev.
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Page No. 200 of 222

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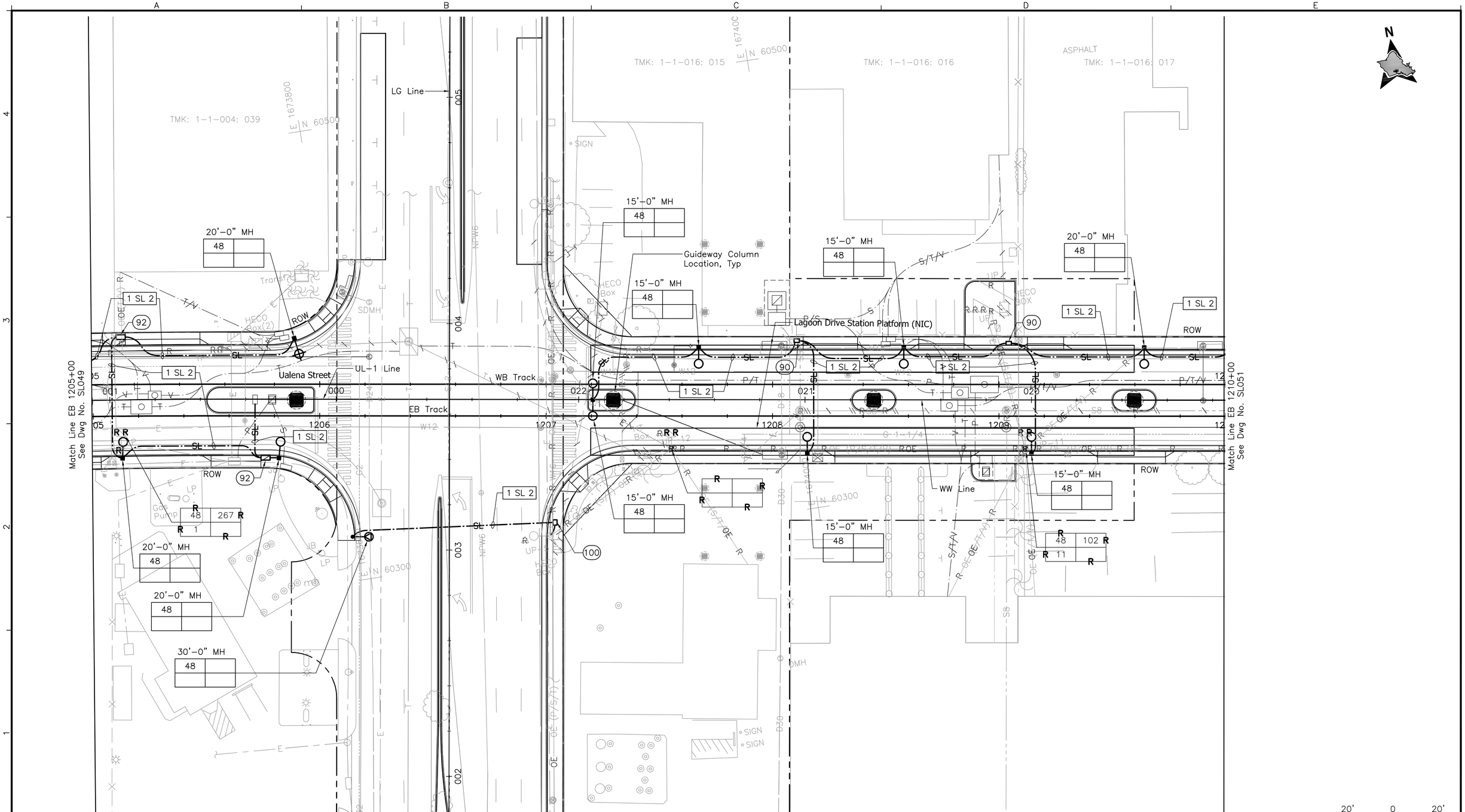

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1205+00 TO EB 1210+00

Contract No.: SV-430
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Drawing No: SL050 Rev.
Scale: 1"=20'
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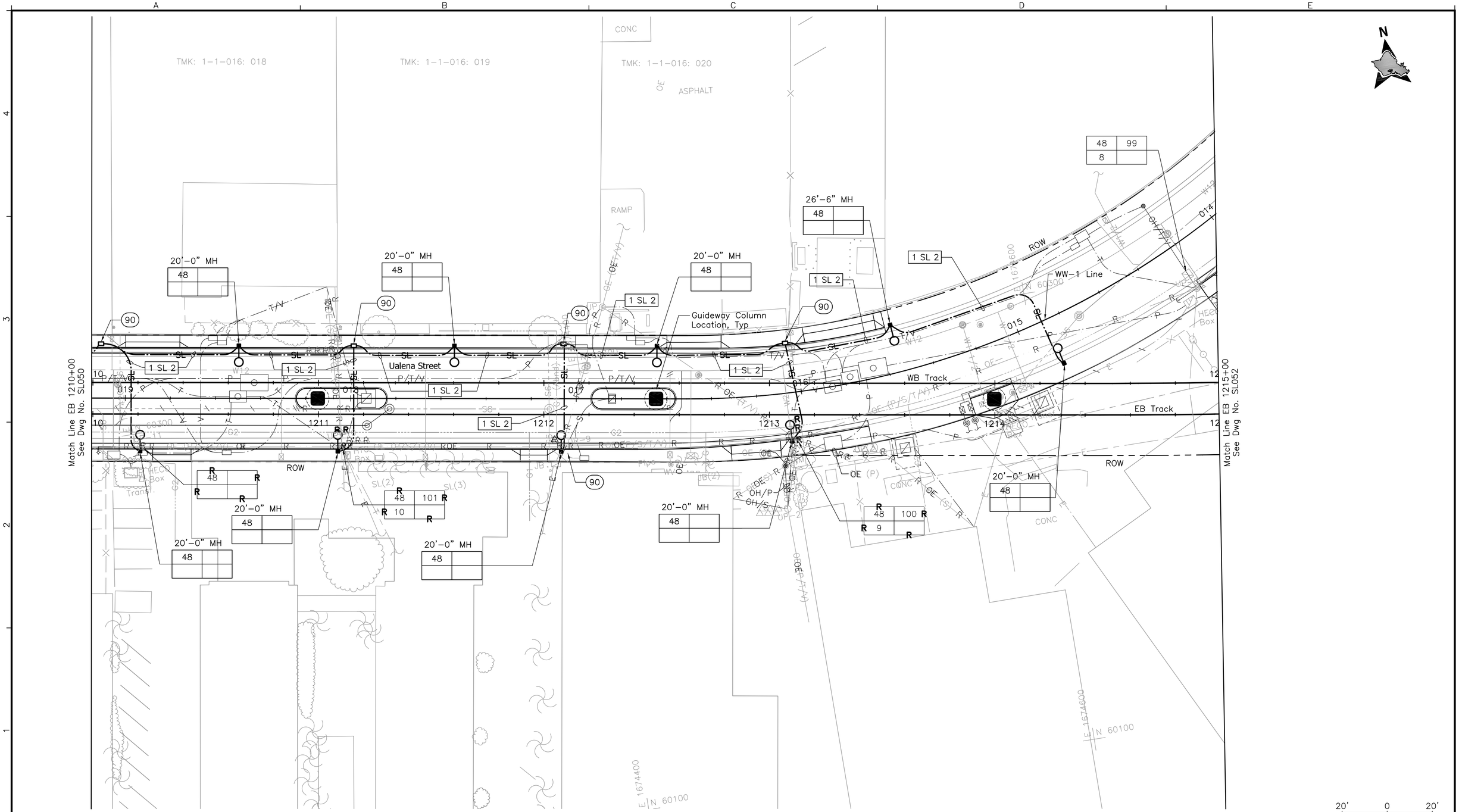

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1210+00 TO EB 1215+00

Contract No.: SV-430
CADD File: AP-D04-SL051
Drawing No: SL051 Rev.
Scale: 1"=20'
Page No. 202 of 222

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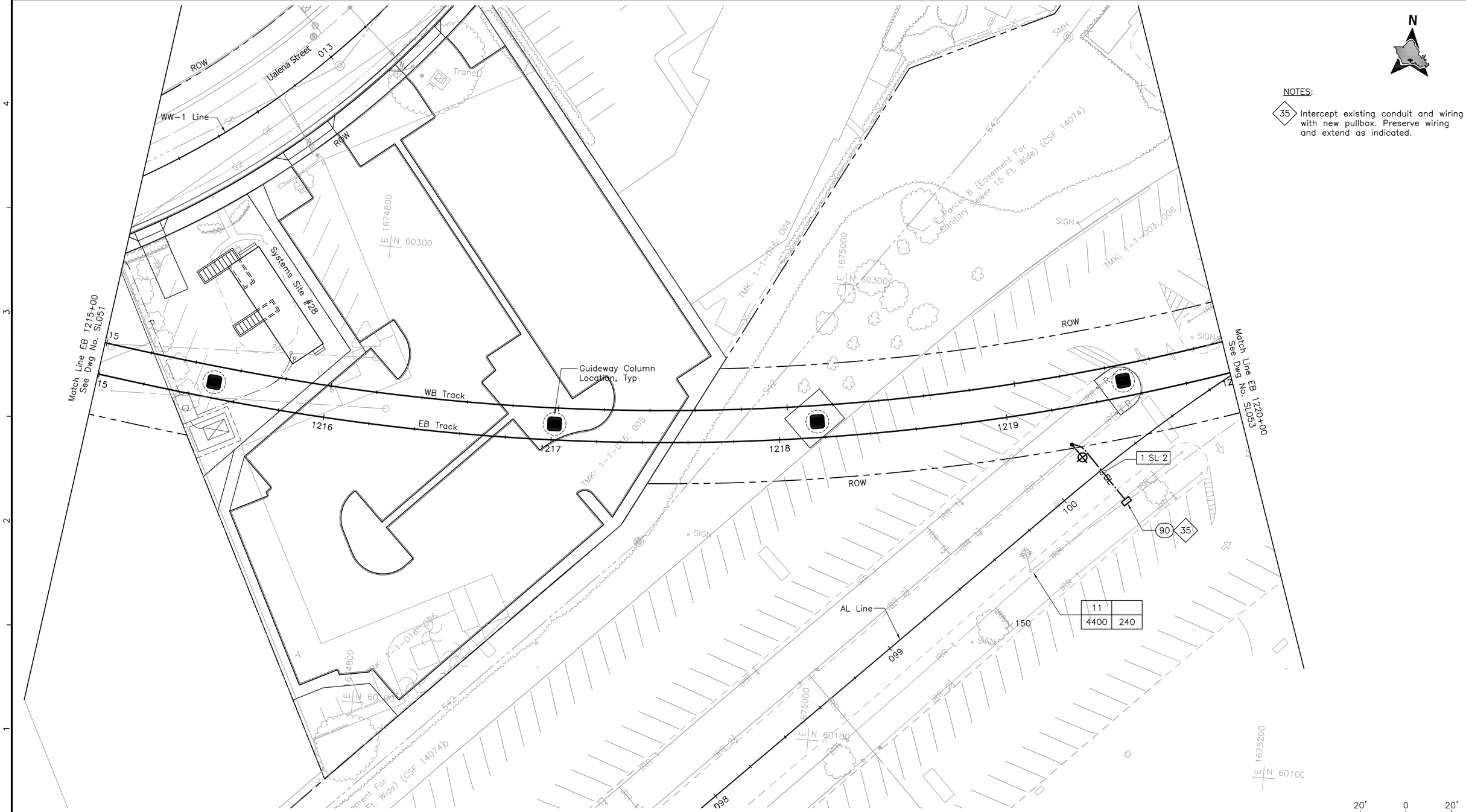

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1215+00 TO EB 1220+00

Contract No.: SV-430
CADD File: AP-D04-SL052
Drawing No: SL052 Rev.
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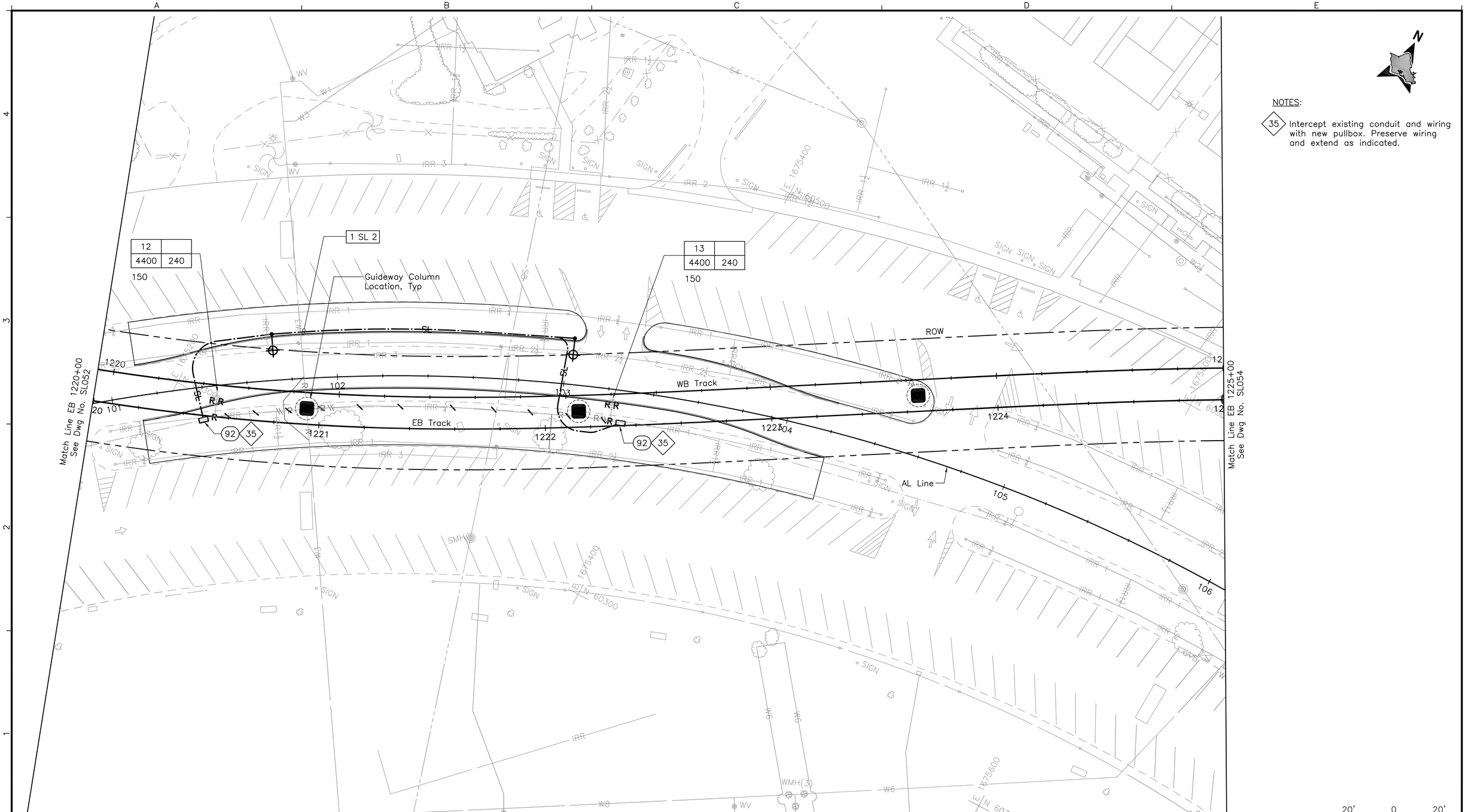

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: R Katahara
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1220+00 TO EB 1225+00

Contract No.: SV-430
CADD File: AP-D04-SL053
Drawing No.: SL053 Rev.:
Scale: 1"=20'
Page No.: 204 of 222

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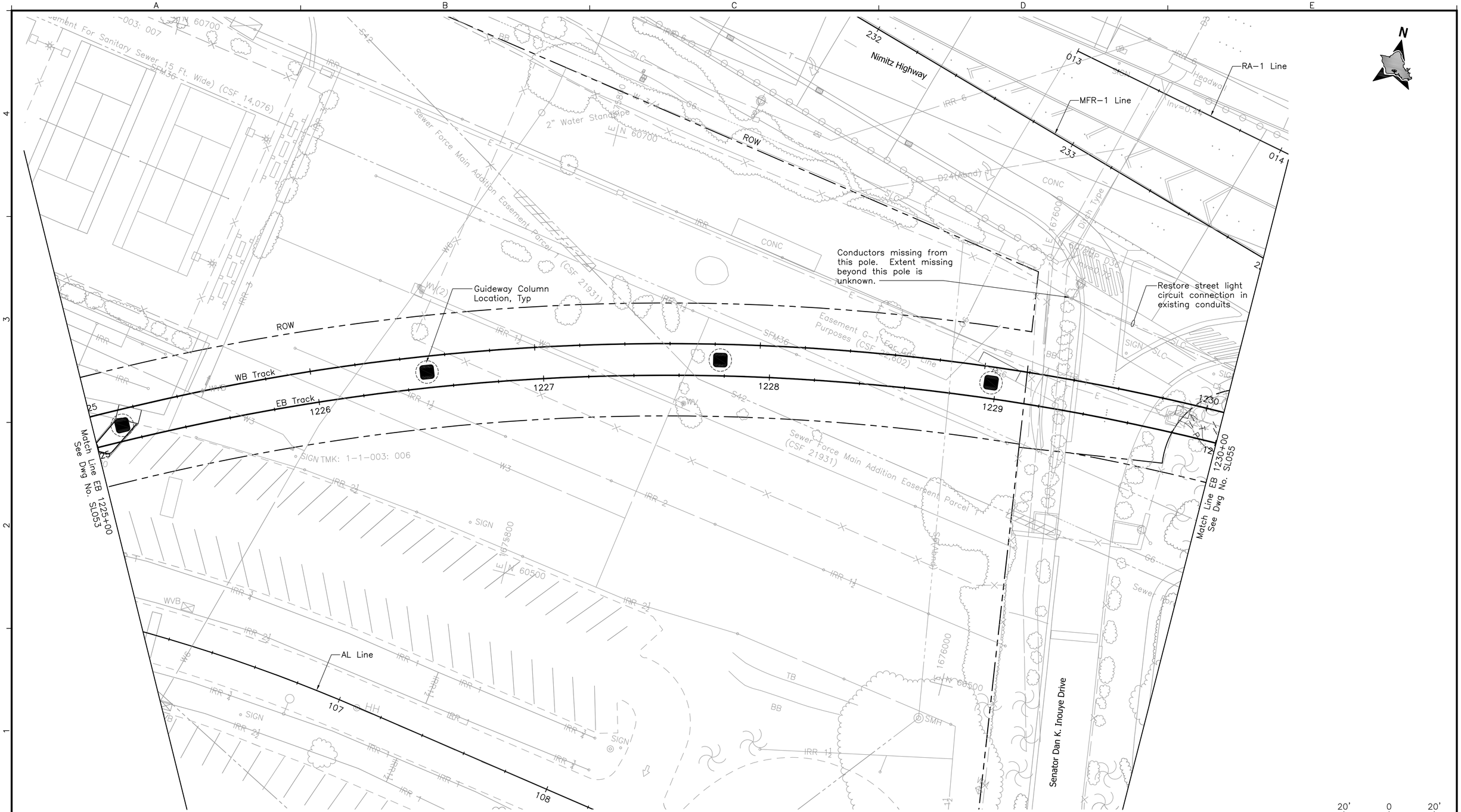

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: R Katahara
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Date: 10–01–10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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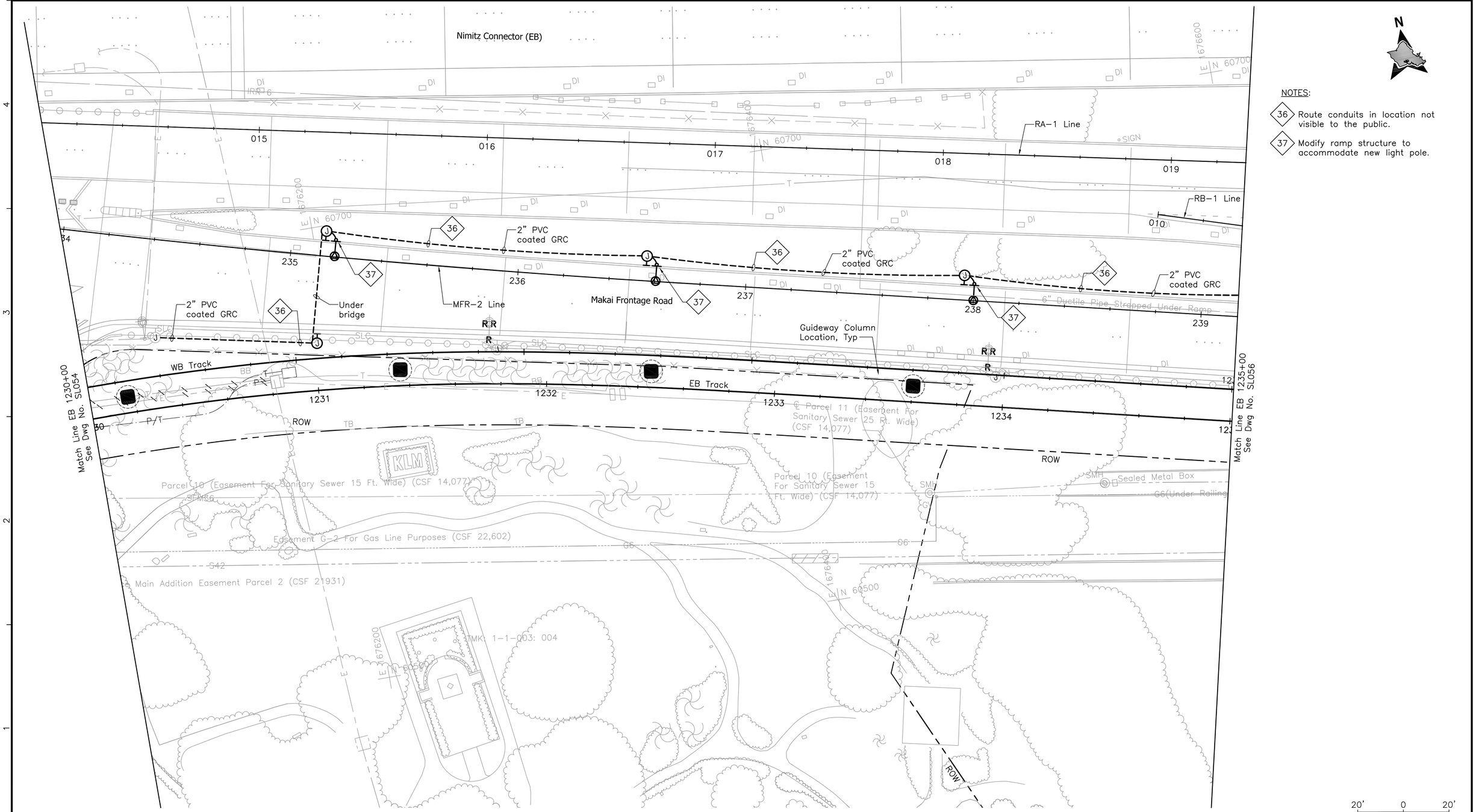
AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1225+00 TO EB 1230+00

Contract No.: SV–430
CADD File: AP–D04–SL054
Drawing No: SL054 Rev.
Scale: 1"=20'
Page No. 205 of 222



NOTES:

36 Route conduits in location not visible to the public.

37 Modify ramp structure to accommodate new light pole.

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Rev	By	Date	Description

Designed: R Katahara
Drawn: D Saito
Checked: P Uyeda
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Date: 10–01–10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1230+00 TO EB 1235+00

Contract No.: SV–430
CADD File: AP–D04–SL055
Drawing No: SL055 Rev.
Scale: 1"=20'
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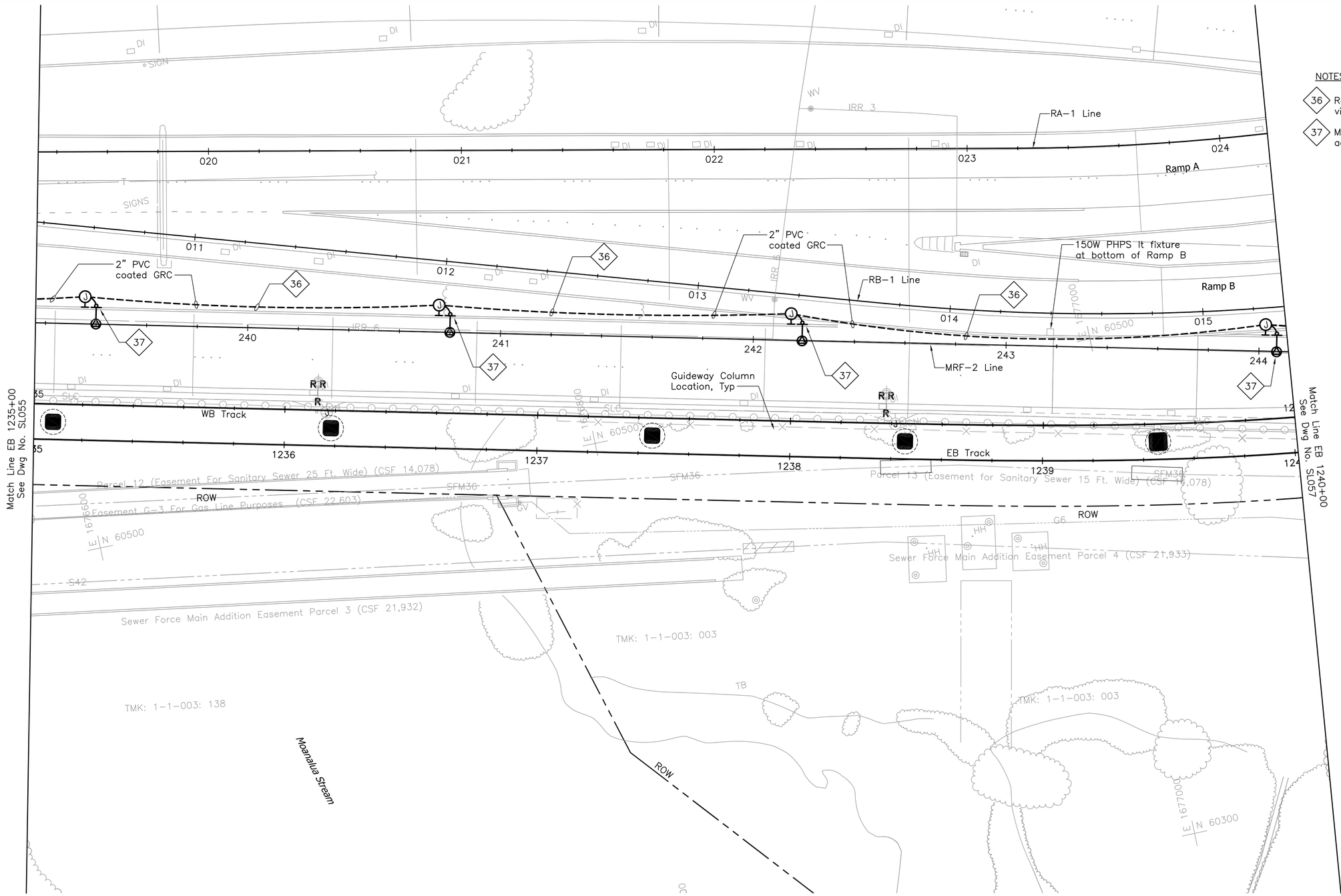
NOTES:

36 Route conduits in location not visible to the public.

37 Modify ramp structure to accommodate new light pole.



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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1235+00 TO EB 1240+00

Contract No.: SV–430
CADD File: AP–D04–SL056
Drawing No: SL056 Rev.
Scale: 1"=20'
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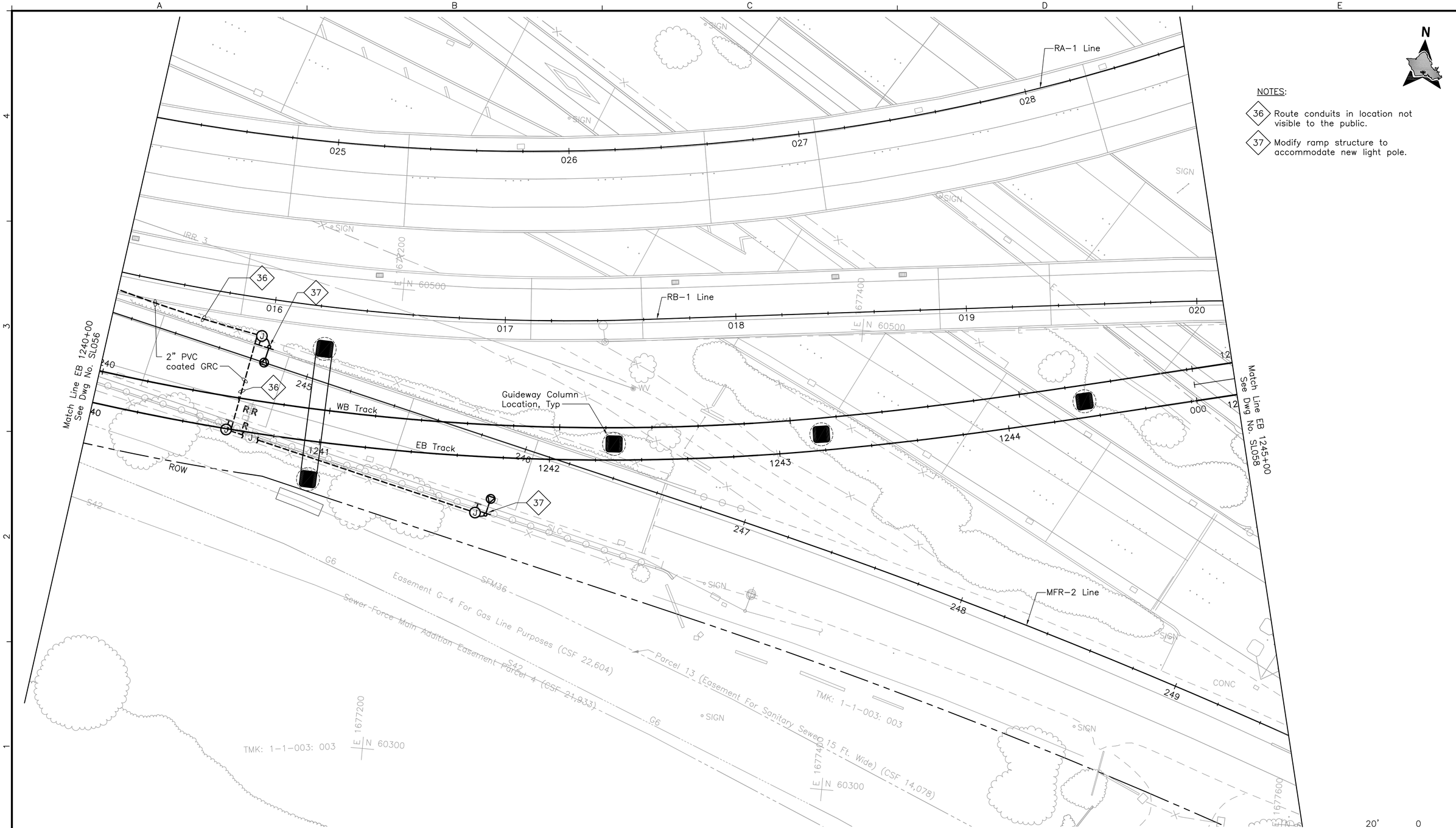

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Date:	10–01–10

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1240+00 TO EB STA 1245+00

Contract No.:	SV–430
CADD File:	AP–D04–SL057
Drawing No:	SL057
Rev.	
Scale:	1"=20'
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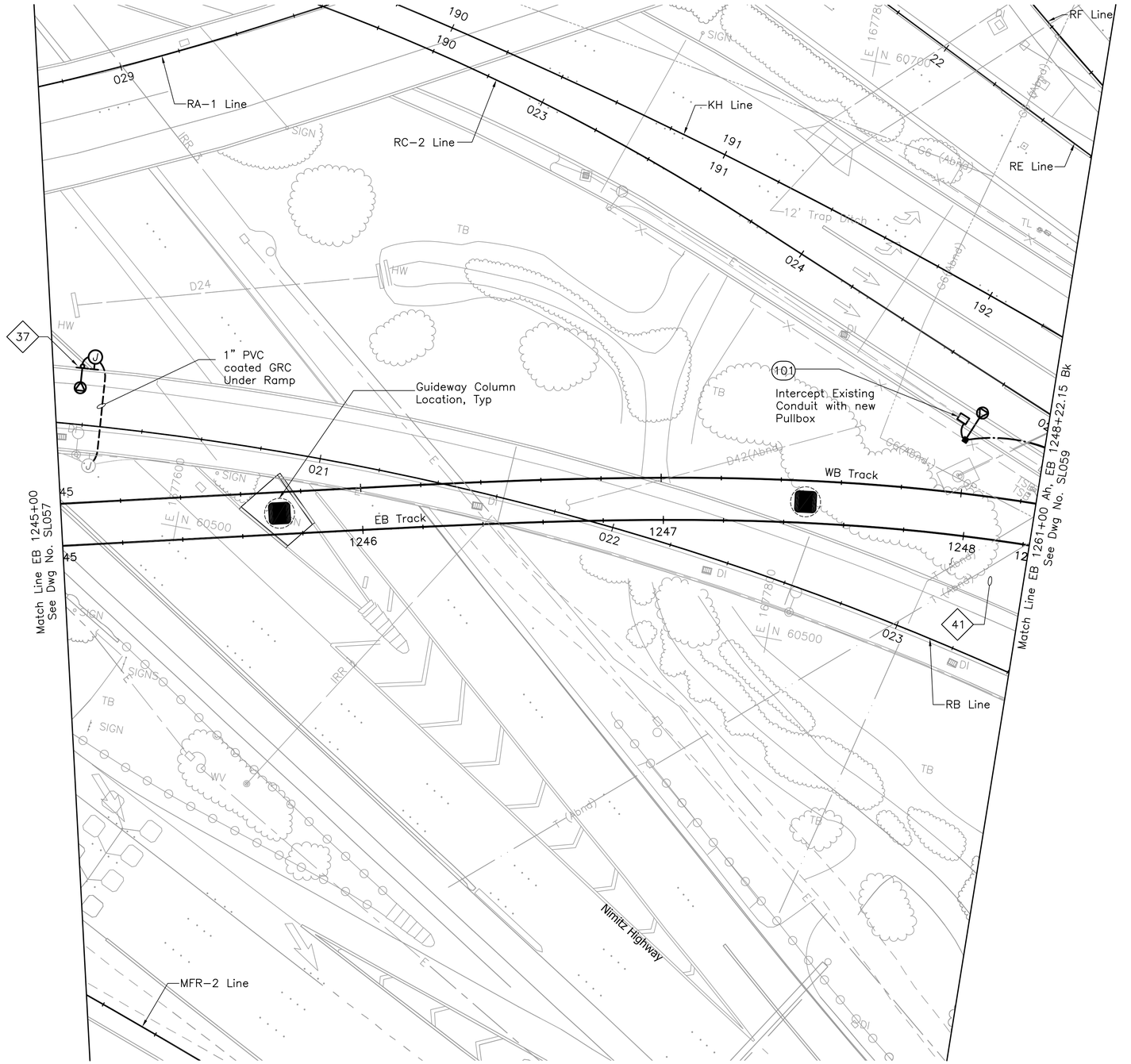

NOTES:

37 Modify ramp structure to accommodate new light pole.

41 Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10–01–10

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

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1245+00 TO EB 1248+22.15

Contract No.: SV–430
CADD File: AP–D04–SL058
Drawing No: SL058 Rev.
Scale: 1"=20'
Page No. 209 of 222

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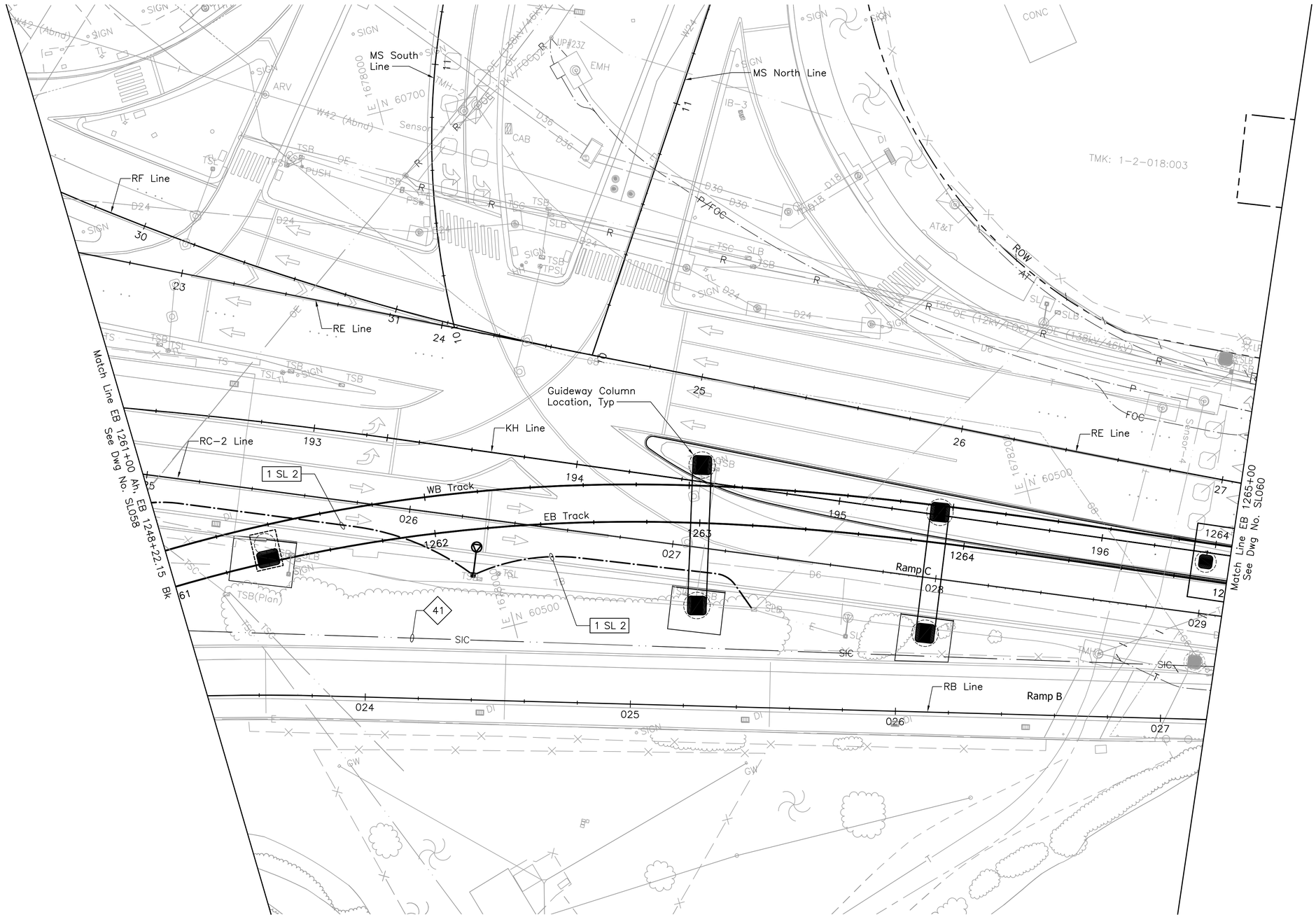

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20' 0 20'

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1261+00 TO EB 1265+00

Contract No.: SV-430
CADD File: AP-D04-SL059
Drawing No: SL059 Rev.
Scale: 1"=20'
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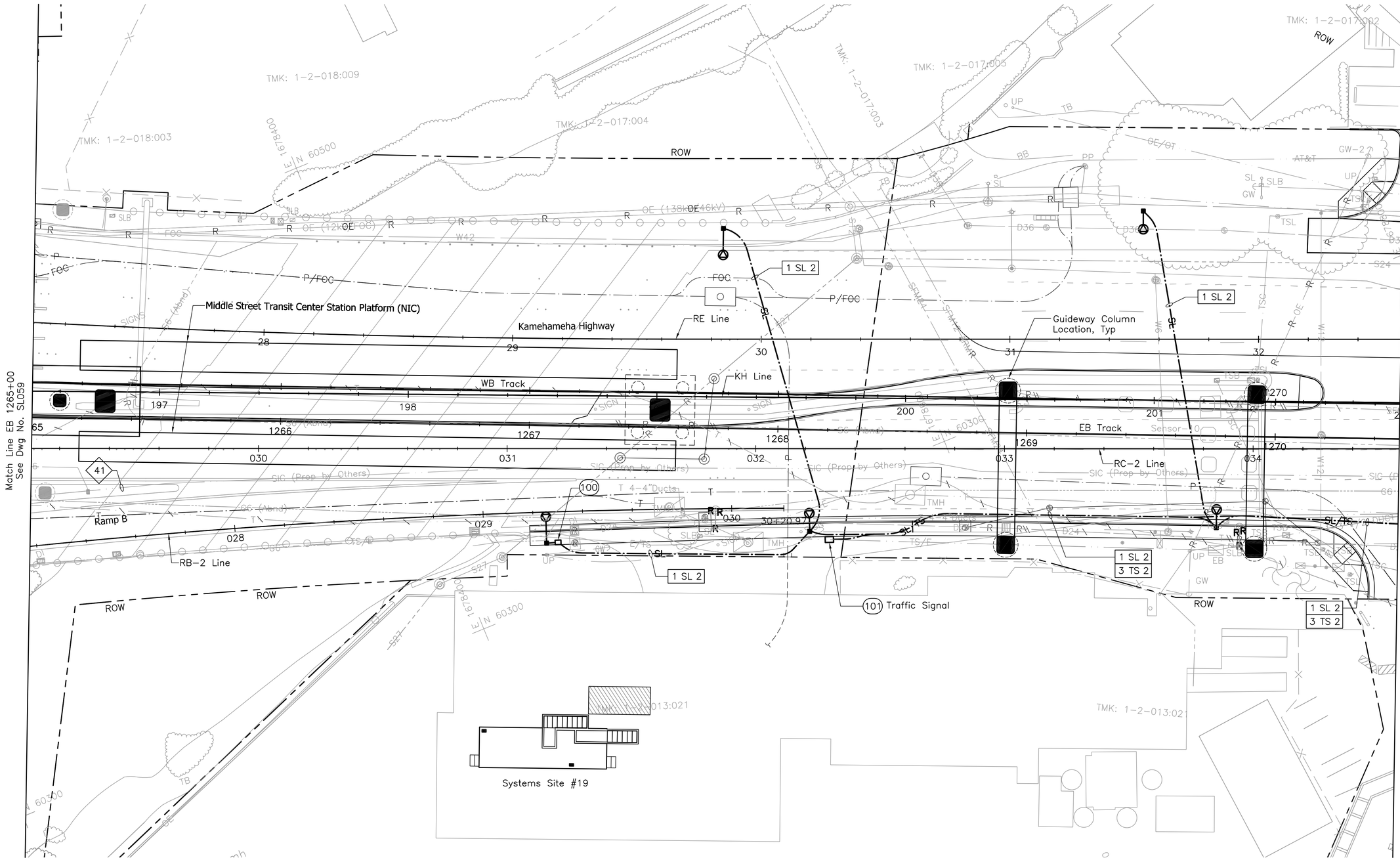

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20' 0 20'

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1265+00 TO EB 1270+50

Contract No.: SV-430
CADD File: AP-D04-SL060
Drawing No: SL060
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Scale: 1"=20'
Page No. 211 of 222

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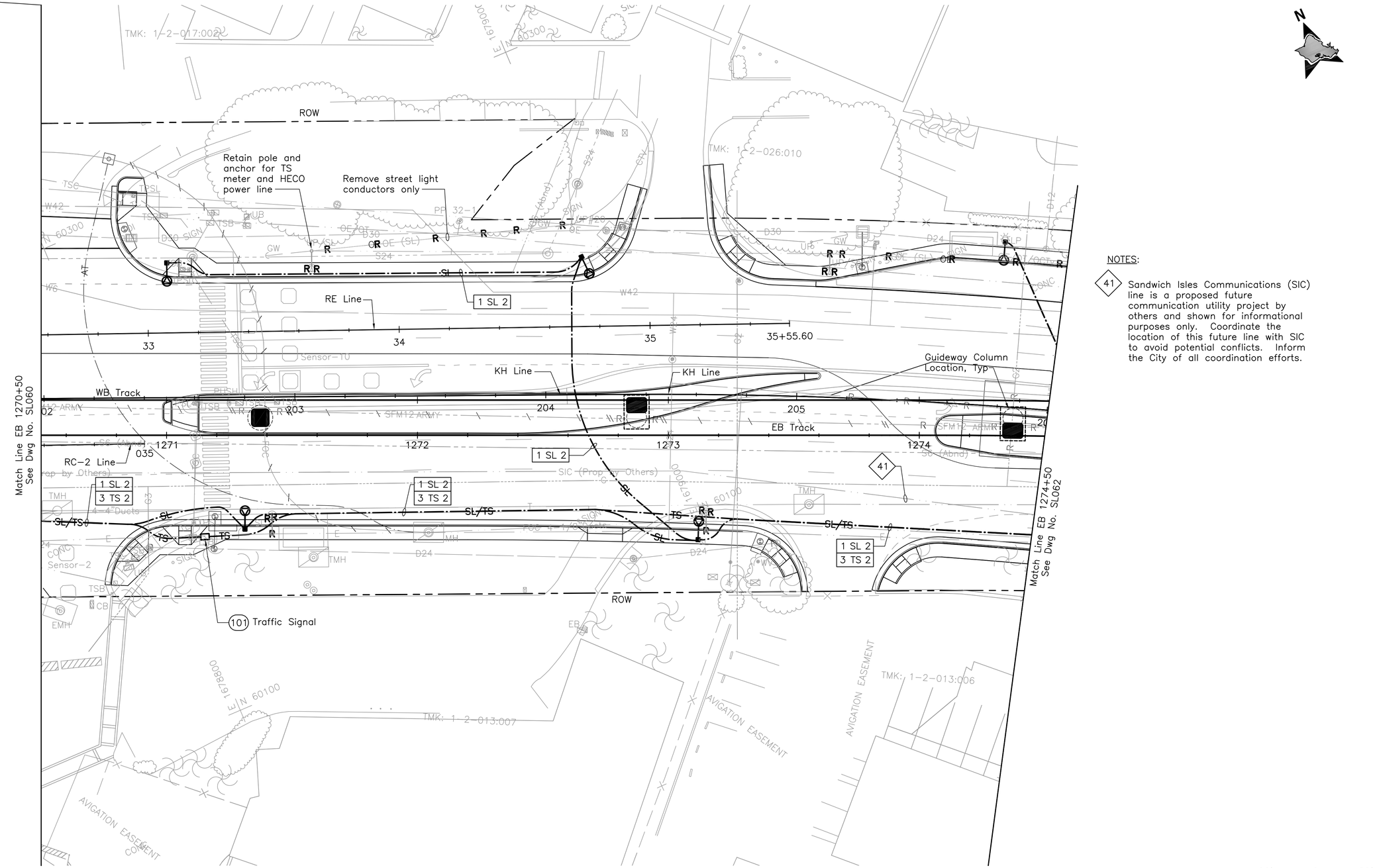


N

NOTES:

41 Sandwich Isles Communications (SIC) line is a proposed future communication utility project by others and shown for informational purposes only. Coordinate the location of this future line with SIC to avoid potential conflicts. Inform the City of all coordination efforts.

20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant: MKengineers
286 Kalihi Street
Honolulu, Hawaii 96819
Phone: (808) 848-8622
Fax: (808) 848-5574
E-Mail: info@mkhawaii.com

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

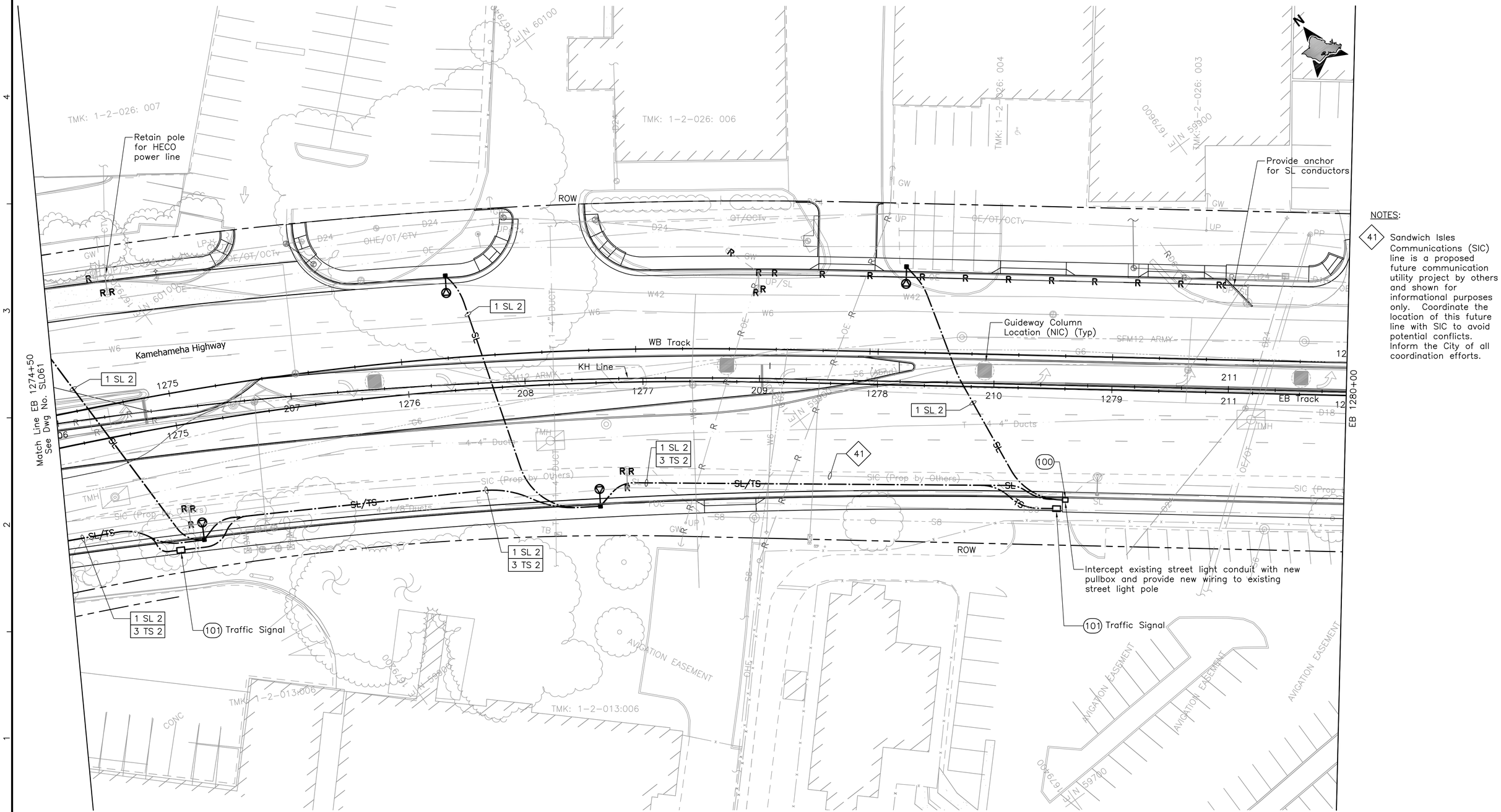
AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

EB 1270+50 TO EB 1274+50

Contract No.: SV-430
CADD File: AP-D04-SL061
Drawing No: SL061 Rev.
Scale: 1"=20'
Page No. 212 of 222

P:\01_PROJECTS\2007\207081.003-HHCTCP_Seg-J_Ualena_Sfdwg\AP-D04-SL006-SL062.dwg, AP-D04-SL061, 9/28/2010 1:10:05 PM, deyn, 1:1



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20' 0 20'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: F Hirakami
Drawn: D Saito
Checked: P Uyeda
Approved: P Uyeda
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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AIRPORT GUIDEWAY & UTILITIES

STREET LIGHTING PLAN

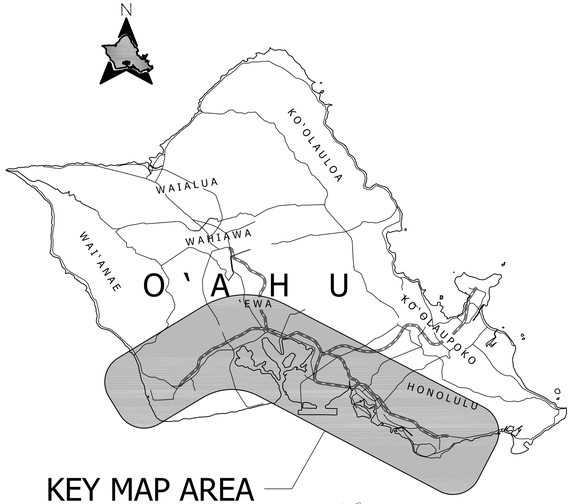
EB 1274+50 TO END

Contract No.: SV-430
CADD File: AP-D04-SL062
Drawing No: SL062 Rev.
Scale: 1"=20'
Page No. 213 of 222

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

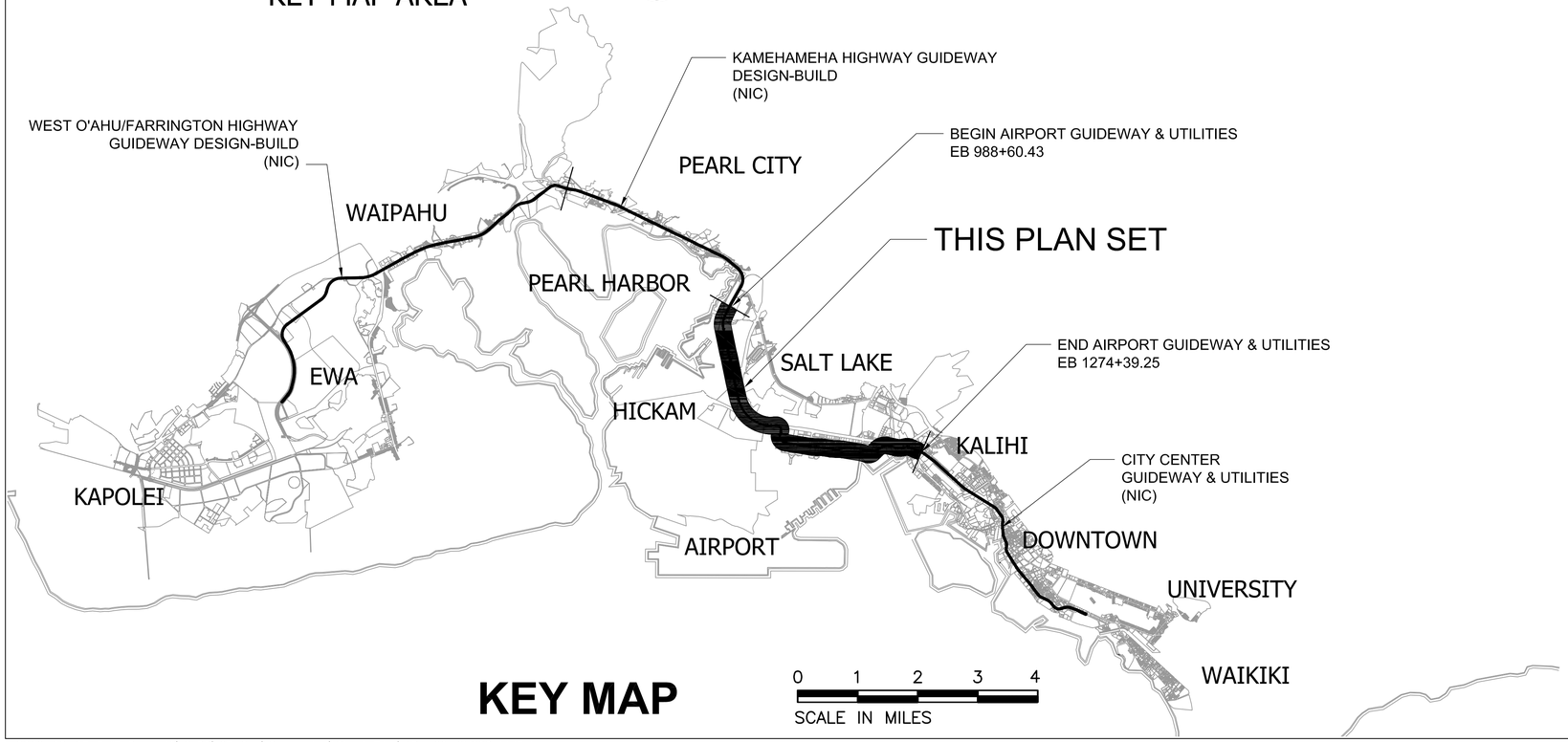
AIRPORT GUIDEWAY & UTILITIES

VOLUME 3 - STRUCTURES, LANDSCAPING & SYSTEMS



City and County of Honolulu
Department of Transportation Services

Rapid Transit Division



KEY MAP

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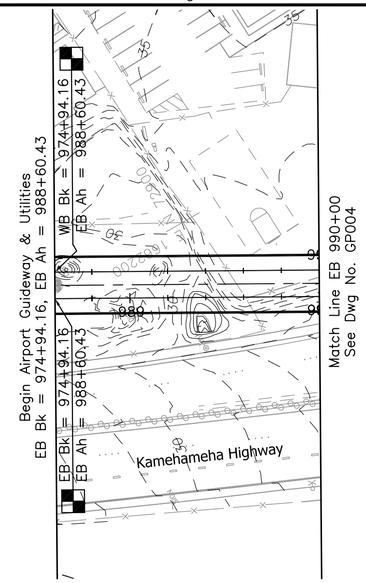

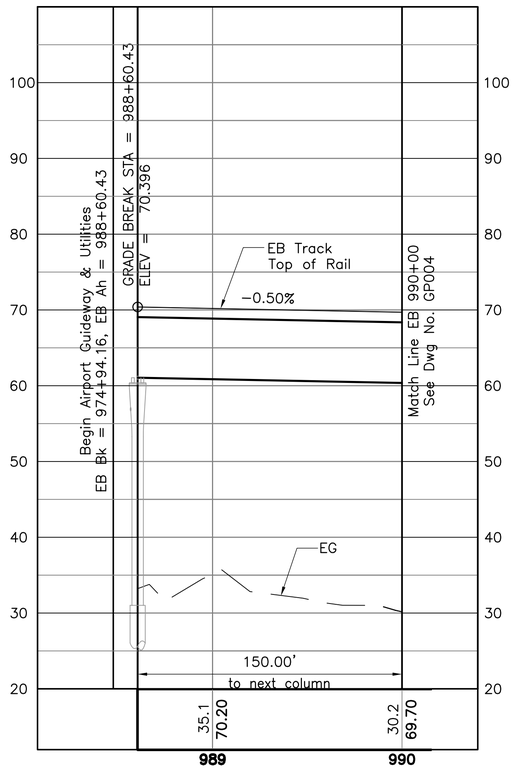

NOTES:

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40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10−01−10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant:

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 988+60.43 TO EB 990+00

Contract No.: SV−430
CADD File: AP−G04−GP003
Drawing No.: GP003 Rev.:
Scale: 1"=40' H, 1"=10' V
Page No.: 24 of 193

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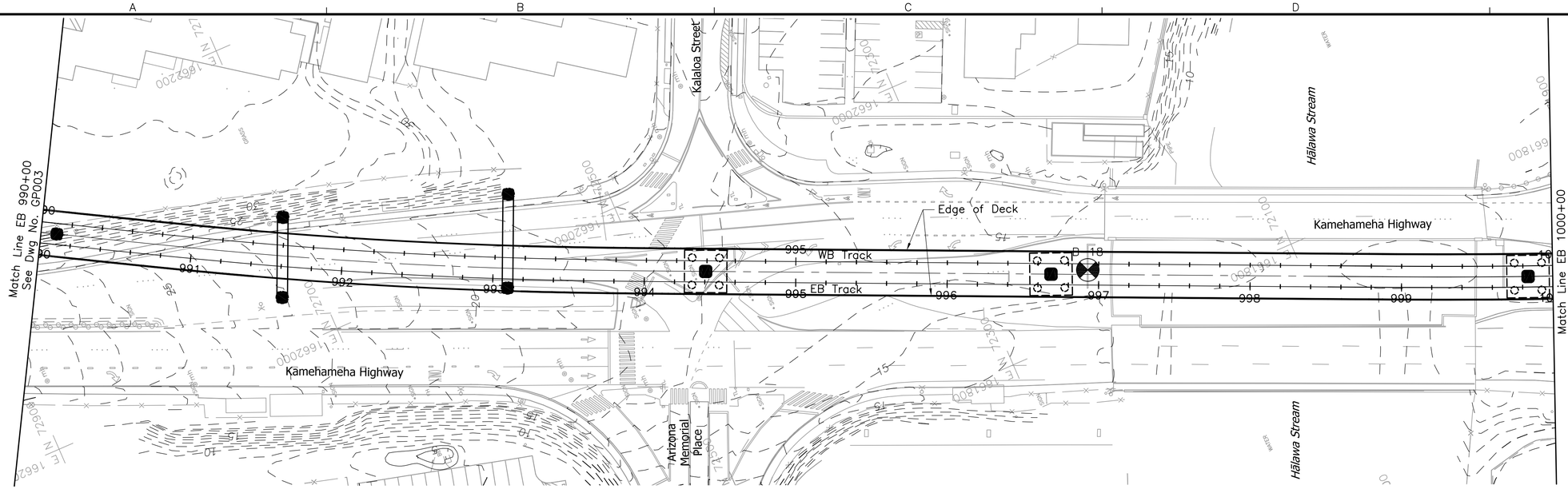

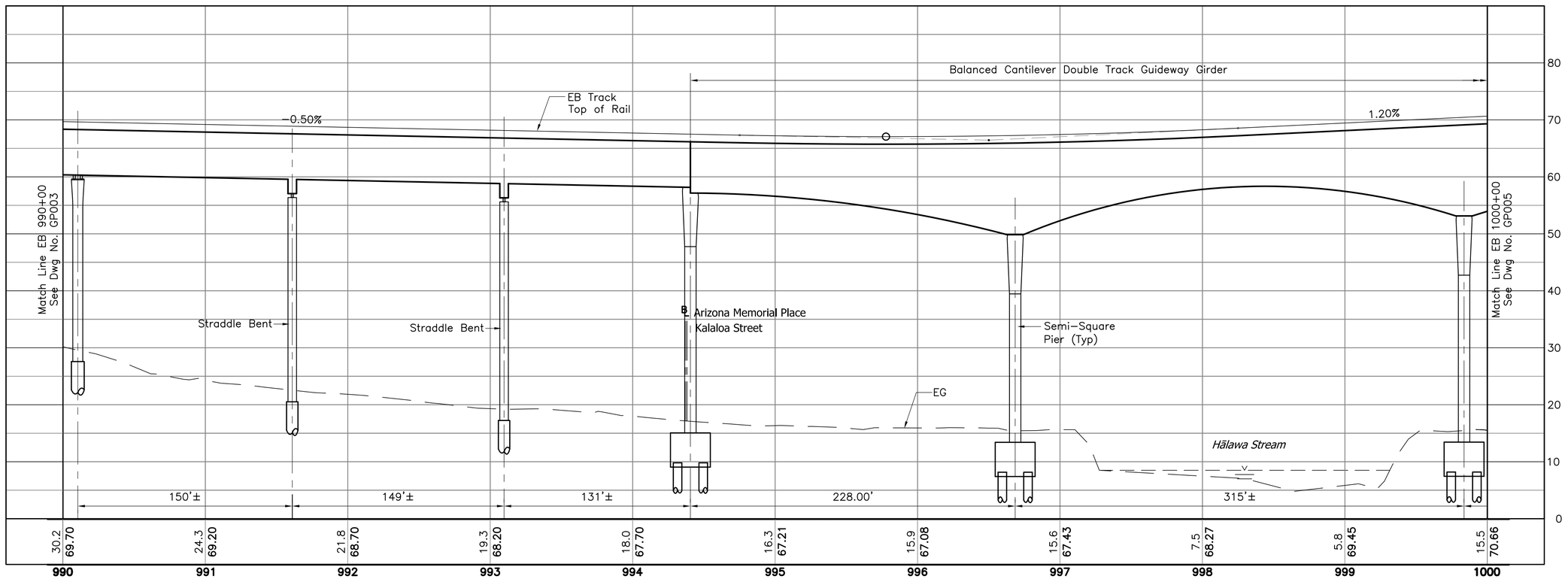

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40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

Prime Consultant: PB PARSONS BRINCKERHOFF
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Subconsultant:

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 990+00 TO EB 1000+00

Contract No.: SV-430
CADD File: AP-G04-GP004
Drawing No: GP004 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 25 of 193

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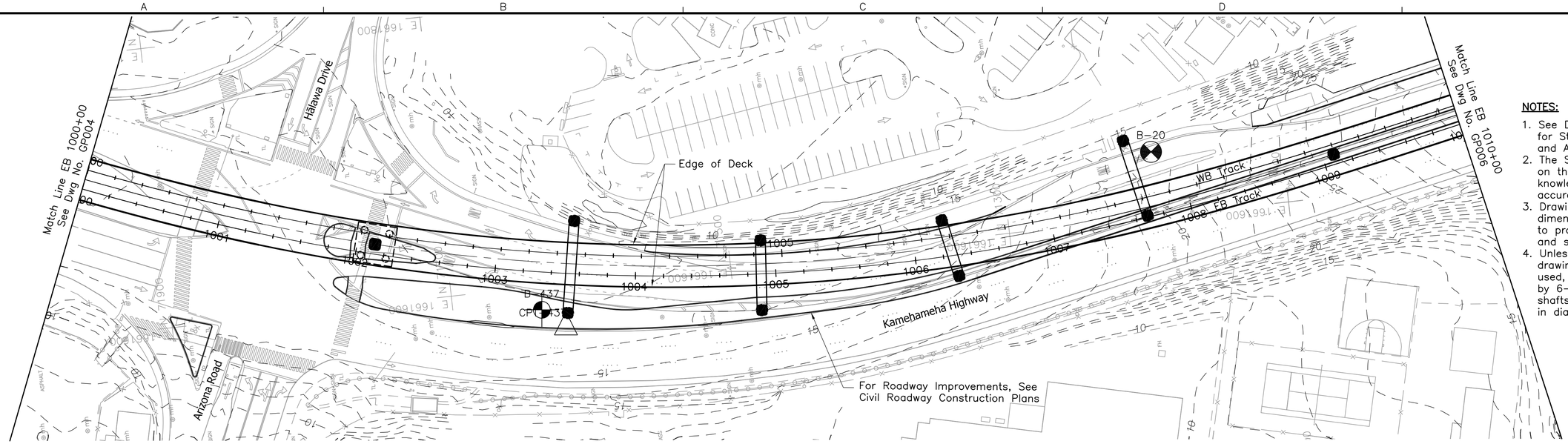

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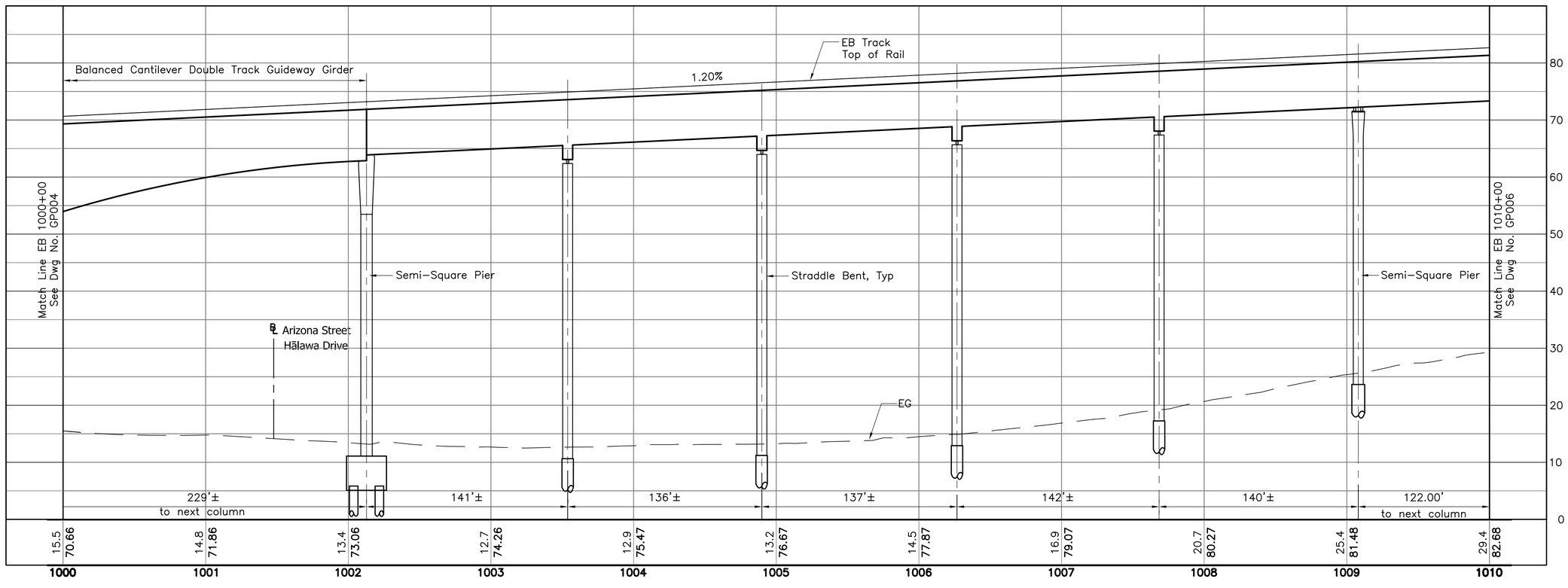

40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant:

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1000+00 TO EB 1010+00

Contract No.: SV-430
CADD File: AP-G04-GP005
Drawing No: GP005 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 26 of 193

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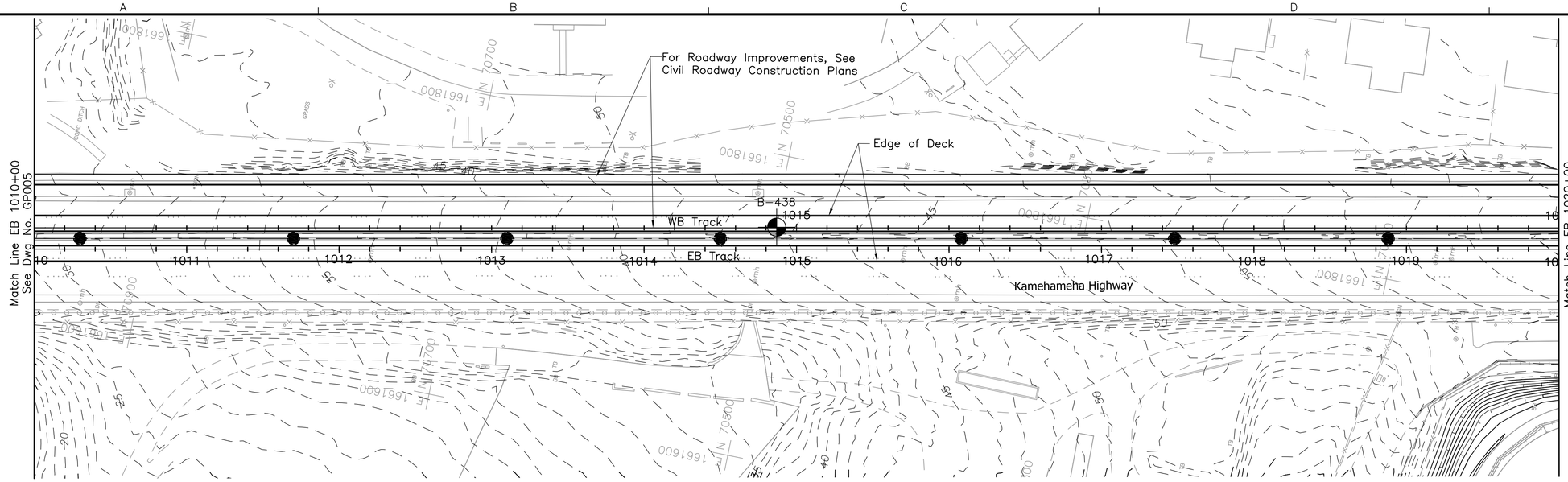

N

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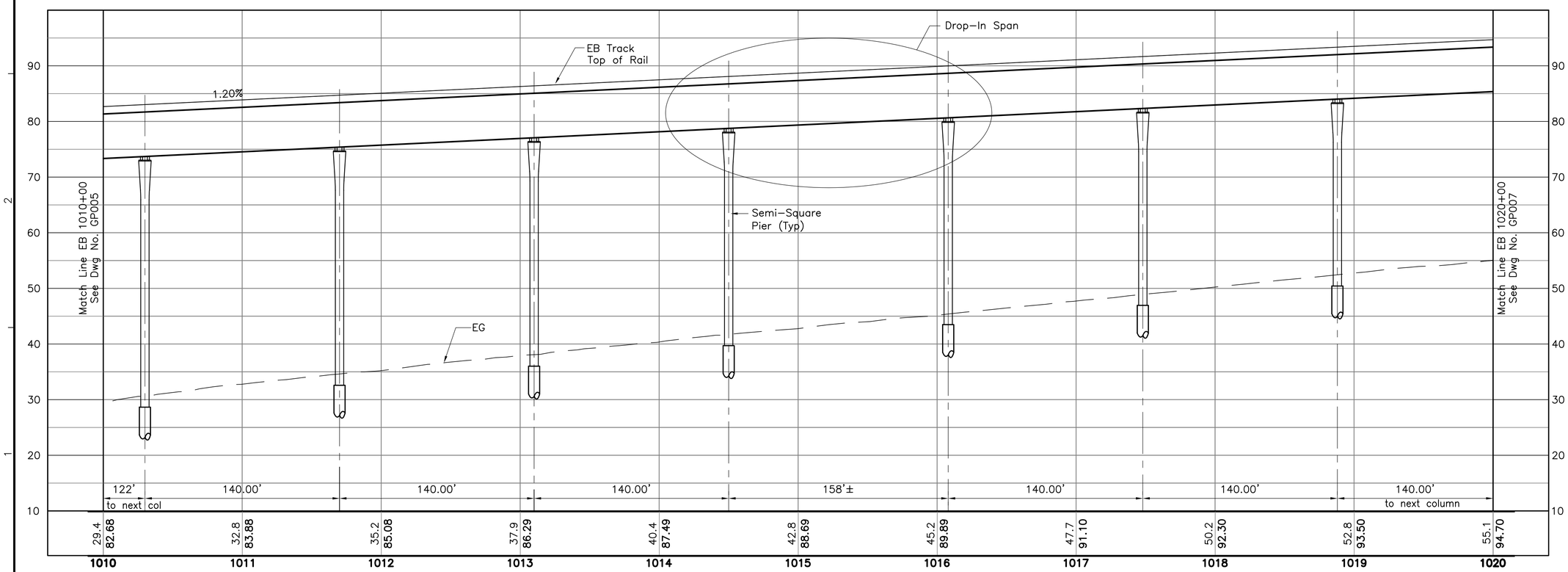

40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10-01-10

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

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

Subconsultant:

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1010+00 TO EB 1020+00

Contract No.: SV-430
CADD File: AP-G04-GP006
Drawing No: GP006 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 27 of 193

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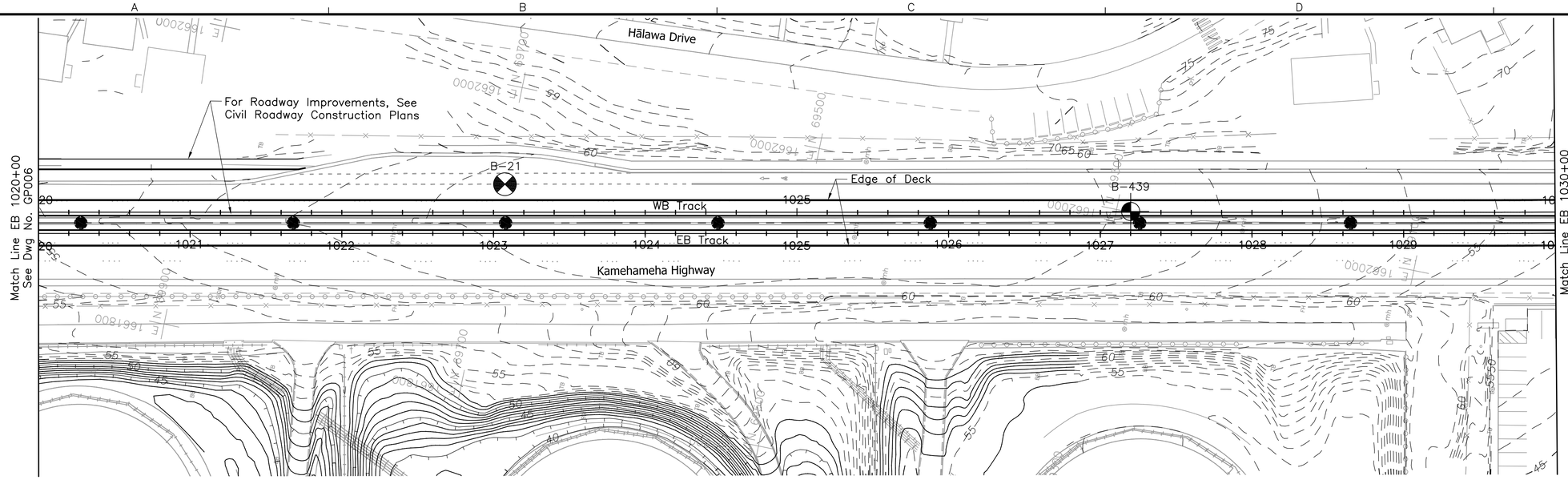

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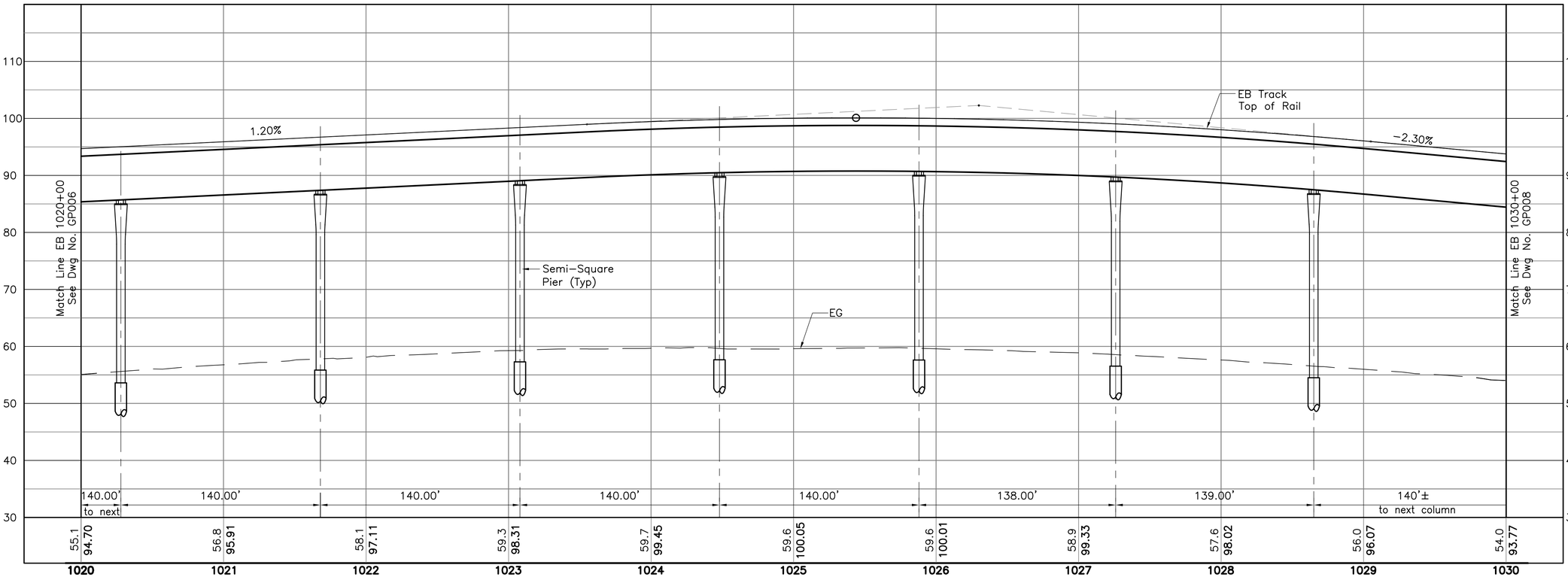

40' 0 40'

10' 0 10'

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Rev	By	Date	Description

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant:

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

AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1020+00 TO EB 1030+00

Contract No.: SV-430
CADD File: AP-G04-GP007
Drawing No: GP007 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 28 of 193

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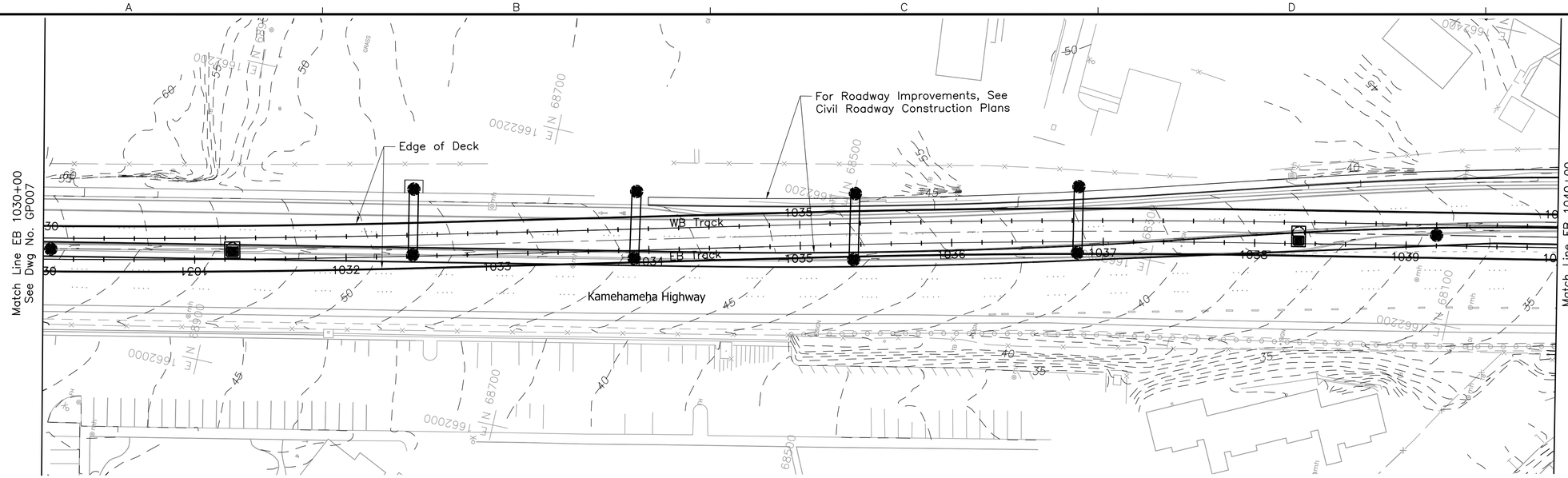

NOTES:

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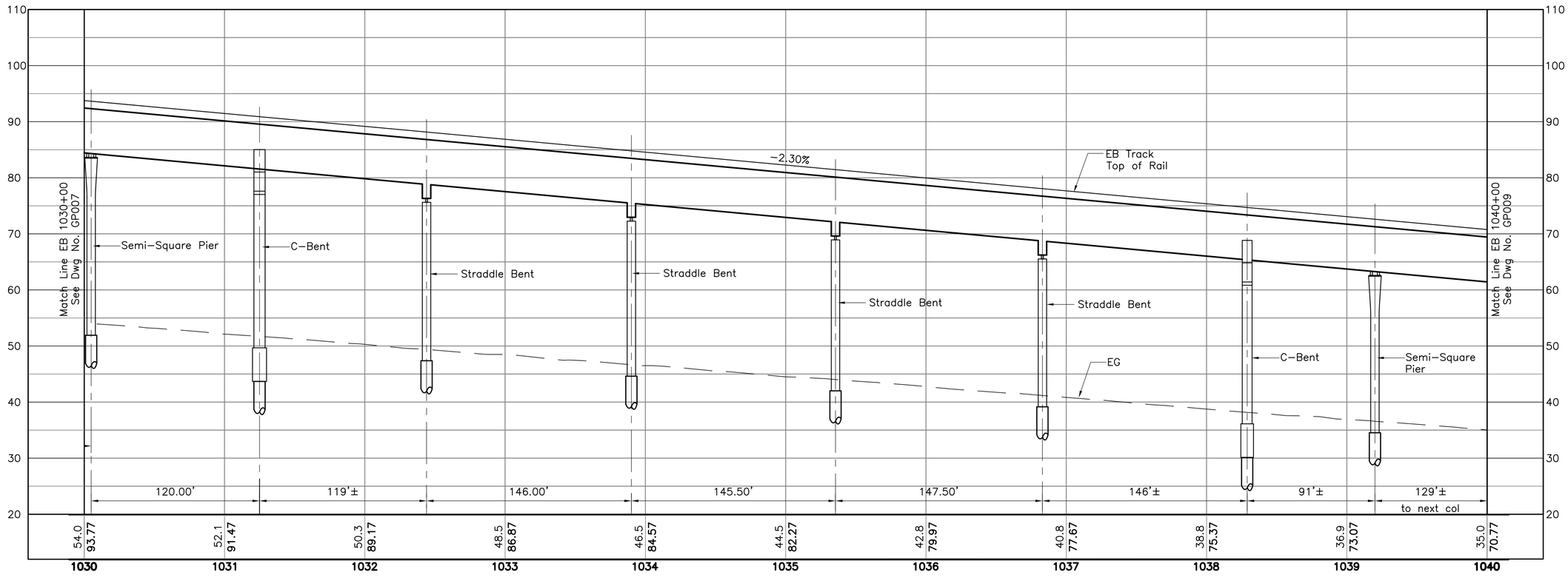

40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
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Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant:

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

AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1030+00 TO EB 1040+00

Contract No.: SV-430
CADD File: AP-G04-GP008
Drawing No: GP008 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 29 of 193

2010-09-27 9:03 AM K:\CADD\08 Structural\Segment J_Airport\AP-G04-GP001.dwg

Systems Site #25

For Roadway Improvements, See Civil Roadway Construction Plans

B-22

Widen Deck at Crossover

Radford Drive

Edge of Deck

B-440

Pearl Harbor Naval Base Station Platform (NIC)

WB Track

EB Track

Kamehameha Highway

Makalapa Road

Match Line EB 1040+00 See Dwg No. GP008

Match Line EB 1050+00 See Dwg No. GP010

1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050

NOTES:

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Begin Platform EB 1045+91.99

End Platform EB 1048+31.99

Pearl Harbor Naval Base Station (NIC)

EB Track Top of Rail

-2.30%

0.50%

Semi-Square Pier (Typ)

℄ Makalapa Road Radford Drive

EG

129'± to next col | 120.00' | 120.00' | 99'± | 150.00' | 88.00' | 71.00' | 30.0' | 71.00' | 140.00' | 150.00' to next col

35.0	33.2	31.3	29.2	27.2	27.1	27.4	28.6	30.6	32.6	34.7
70.77	68.47	66.63	65.73	65.77	66.27	66.77	67.27	67.77	68.27	68.77

40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10-01-10

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant:

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

AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1040+00 TO EB 1050+00

Contract No.: SV-430
CADD File: AP-G04-GP009
Drawing No.: GP009 Rev.:
Scale: 1"=40' H, 1"=10' V
Page No.: 30 of 193

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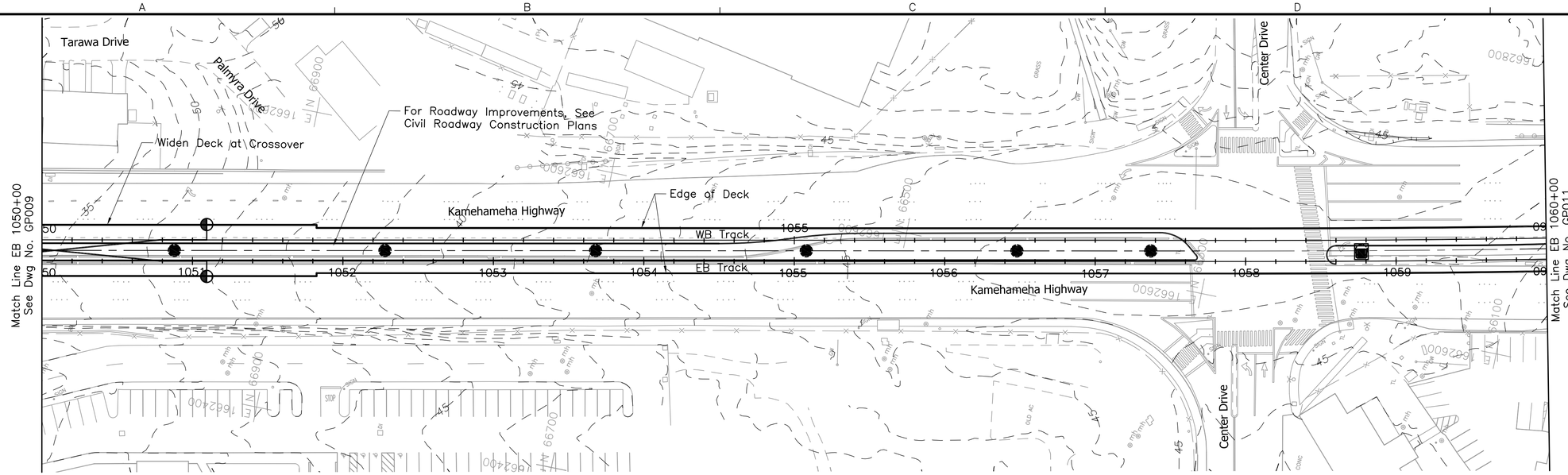

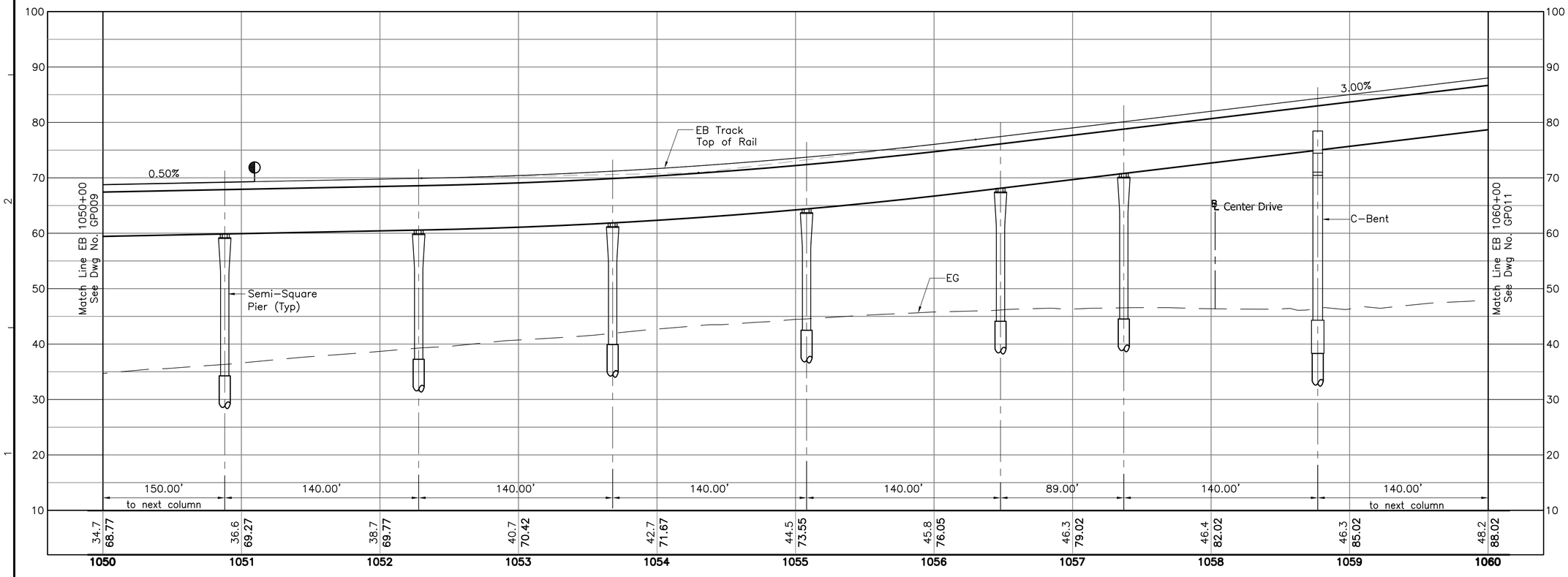

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40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
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HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

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

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

Subconsultant:

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1050+00 TO EB 1060+00

Contract No.: SV–430
CADD File: AP–G04–GP010
Drawing No: GP010 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 31 of 193

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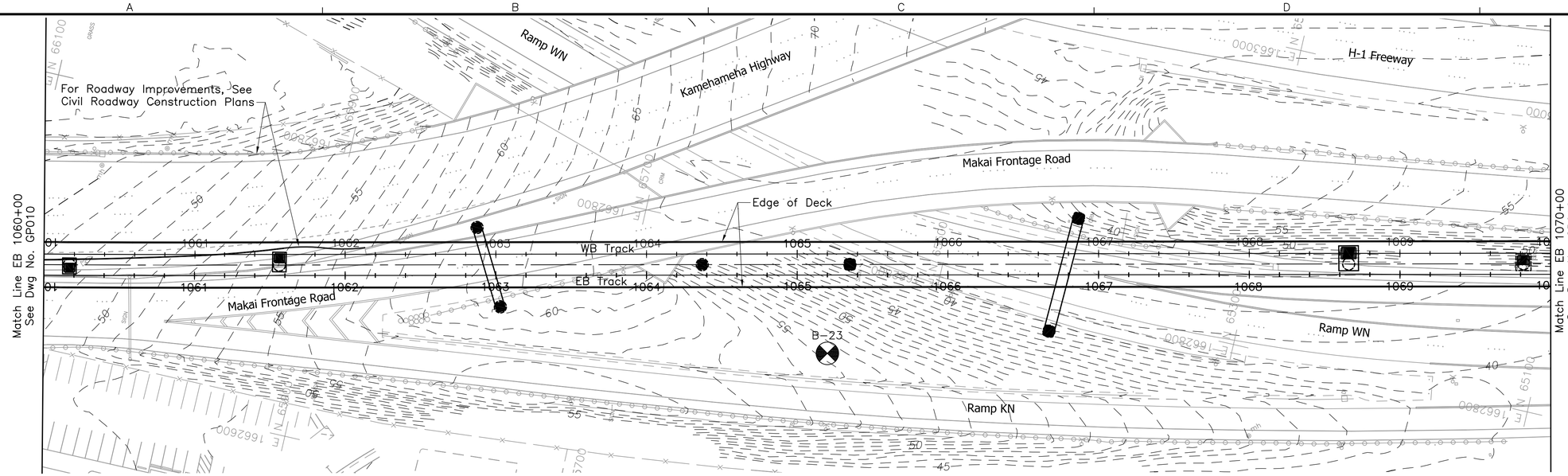

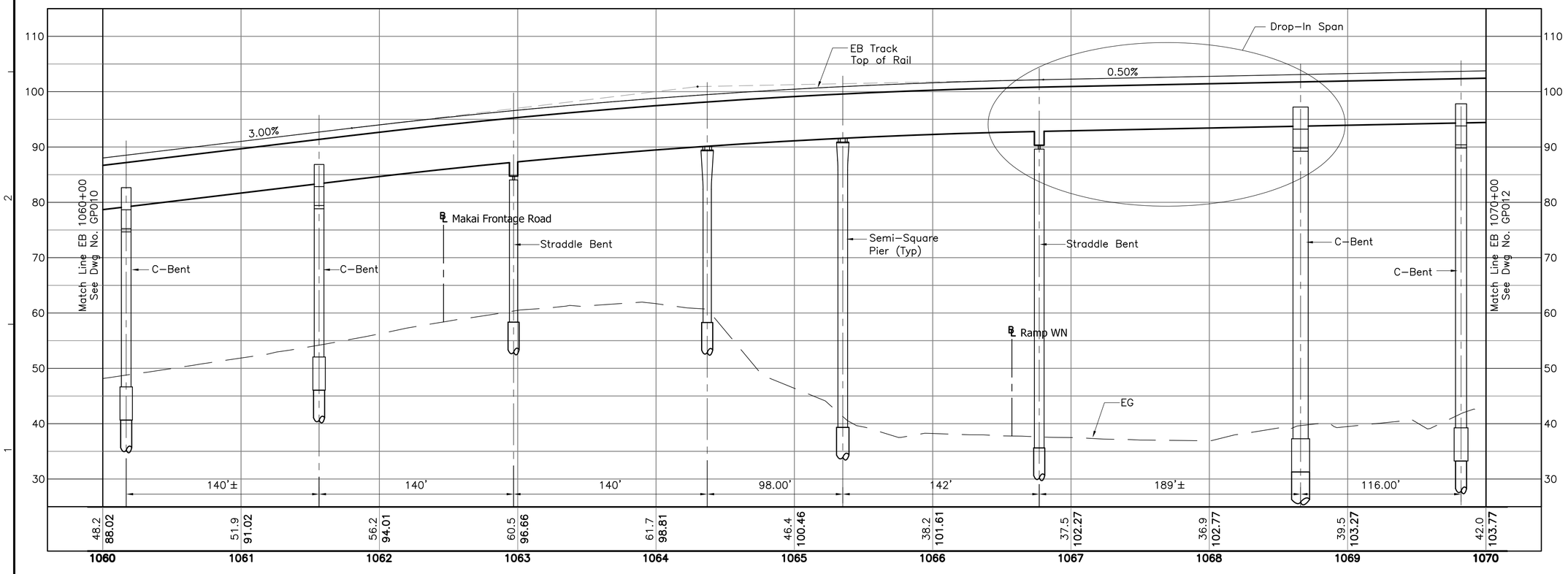

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40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10-01-10

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

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

Subconsultant:

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1060+00 TO EB 1070+00

Contract No.: SV-430
CADD File: AP-G04-GP011
Drawing No: GP011 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 32 of 193

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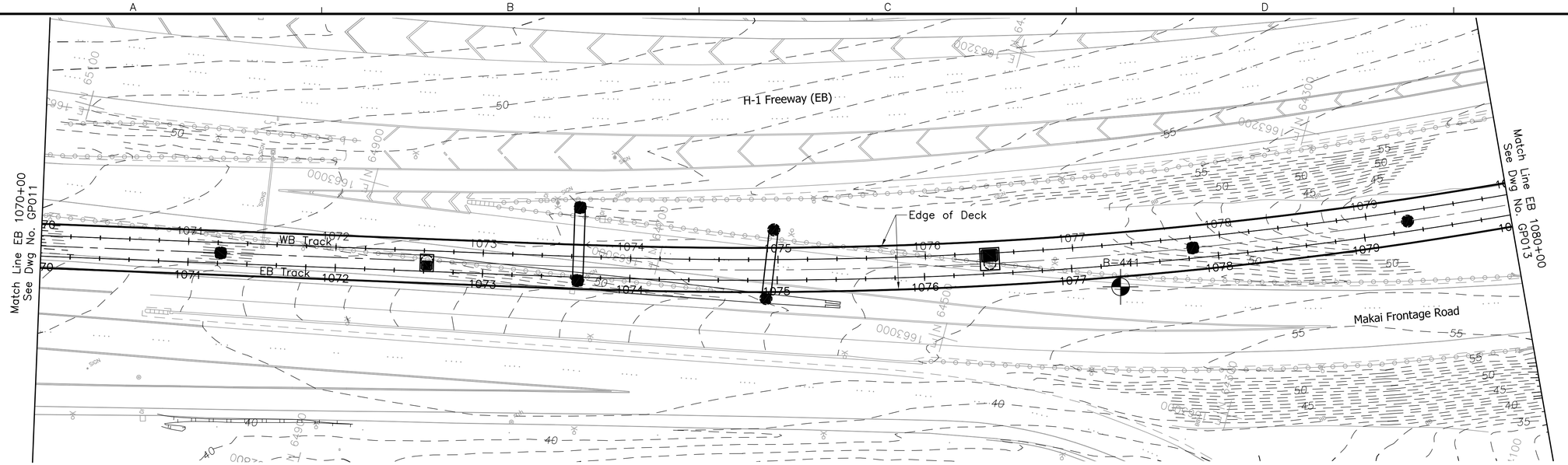

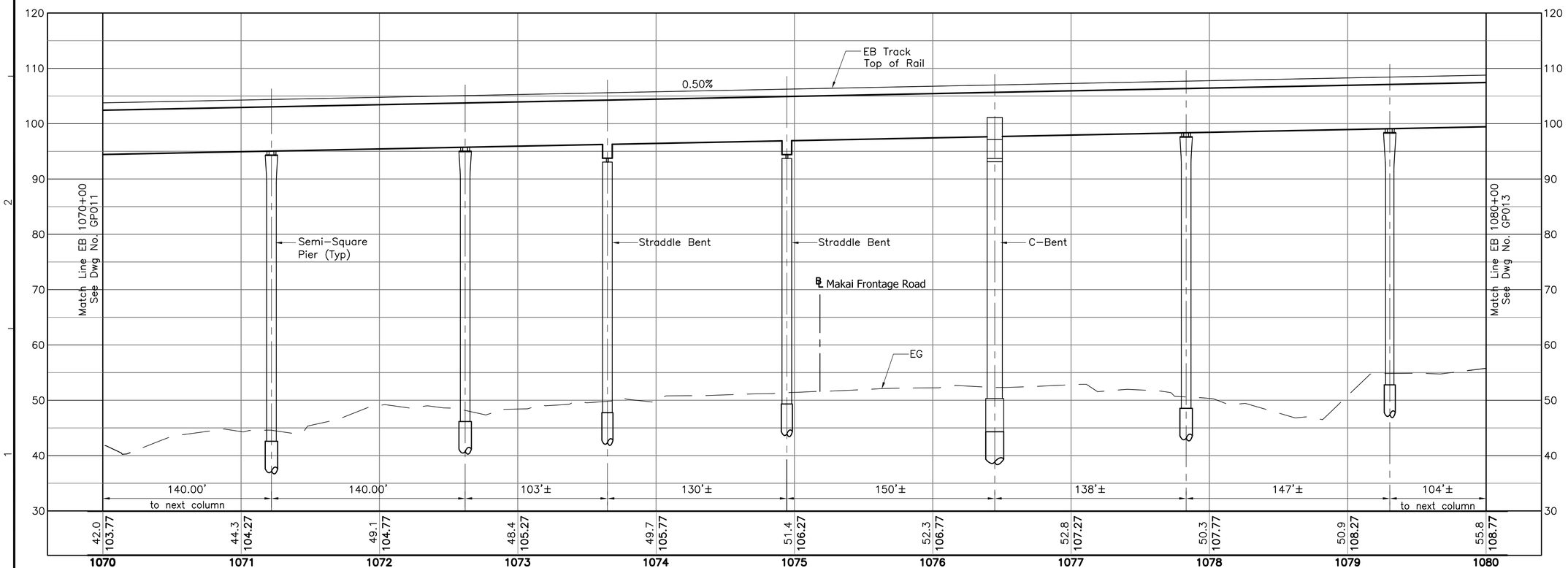

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40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10-01-10

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

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

Subconsultant:

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STRUCTURAL
PLAN AND PROFILE

EB 1070+00 TO EB 1080+00

Contract No.: SV-430
CADD File: AP-G04-GP012
Drawing No: GP012 Rev.
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Page No. 33 of 193

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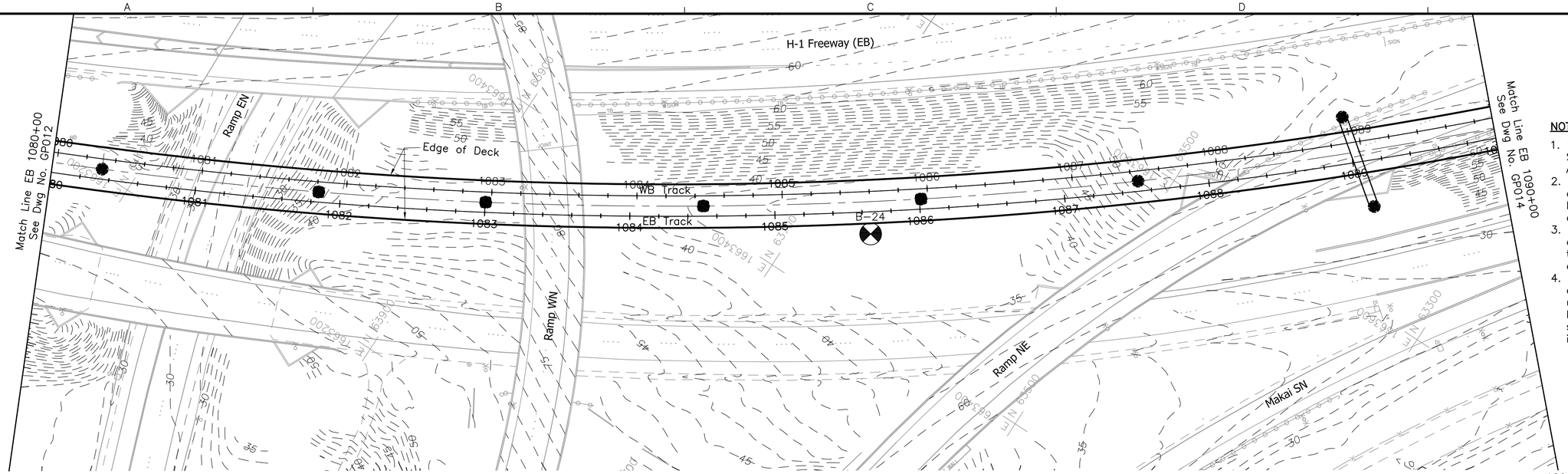

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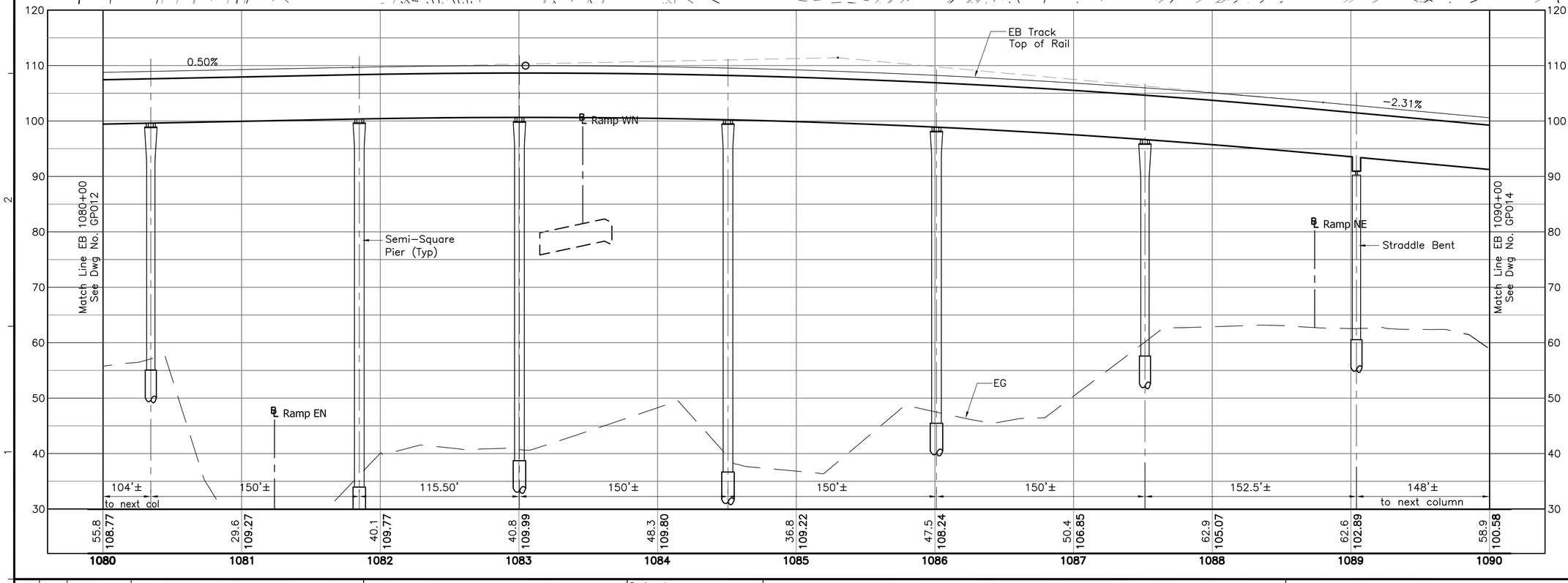

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10' 0 10'

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STRUCTURAL
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EB 1080+00 TO EB 1090+00

Contract No.: SV-430
CADD File: AP-G04-GP013
Drawing No: GP013 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 34 of 193

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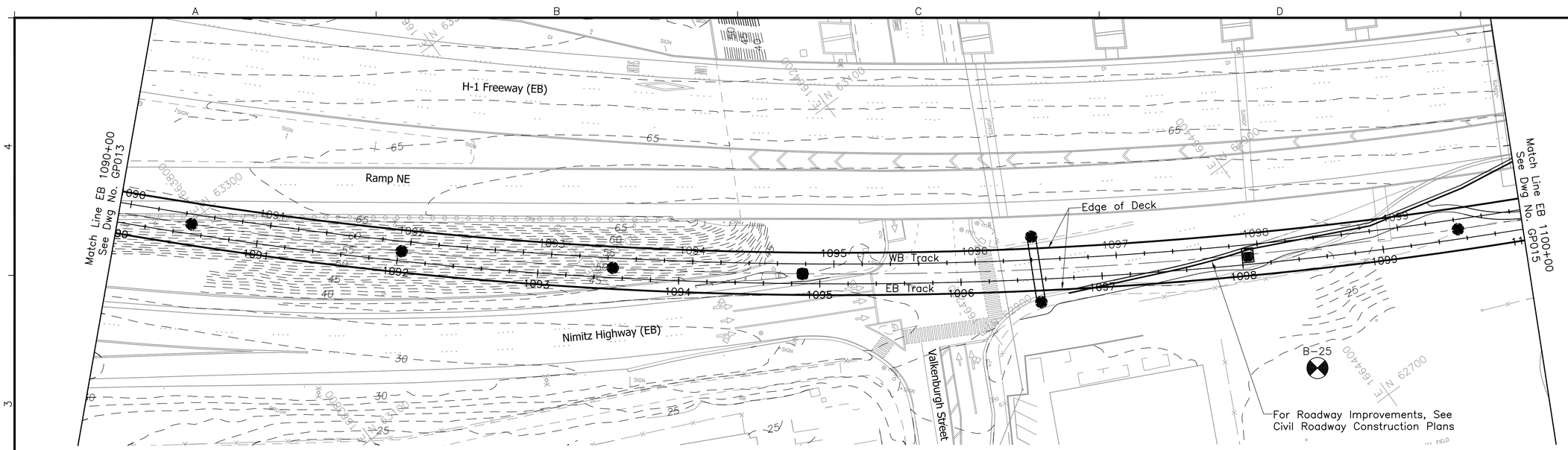

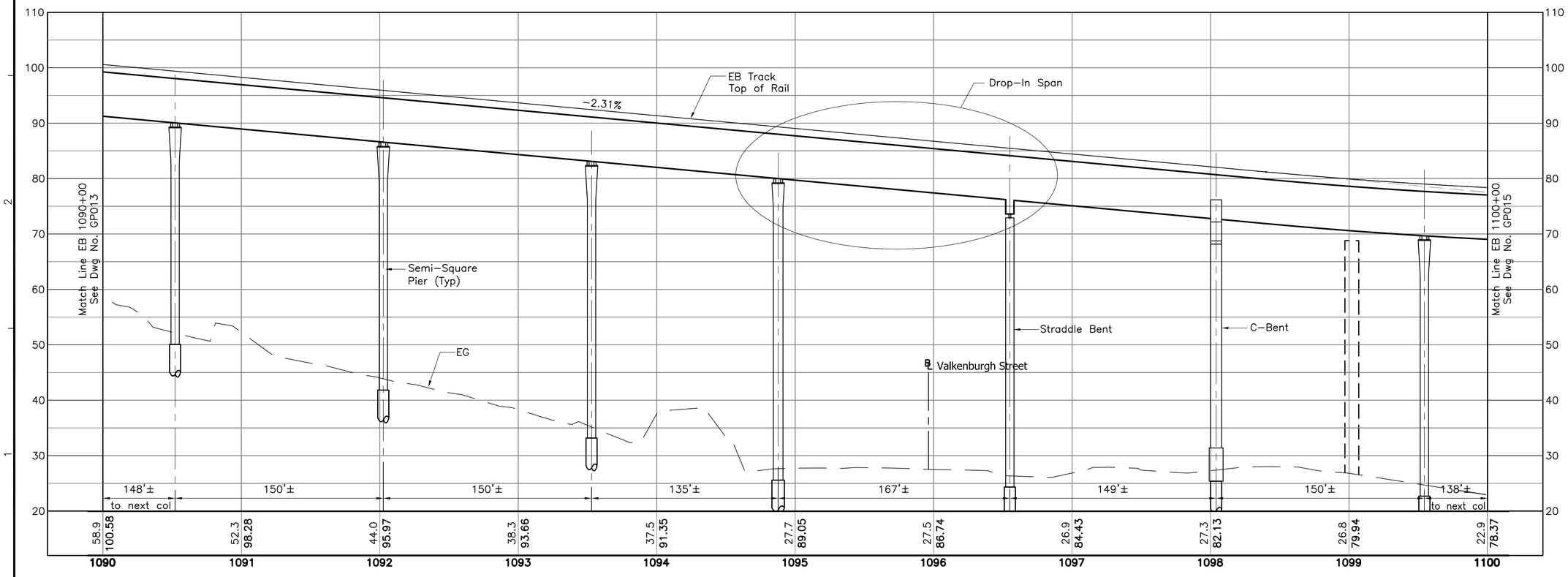

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STRUCTURAL PLAN AND PROFILE

EB 1090+00 TO EB 1100+00

Contract No.: SV-430
CADD File: AP-G04-GP014
Drawing No: GP014 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 35 of 193

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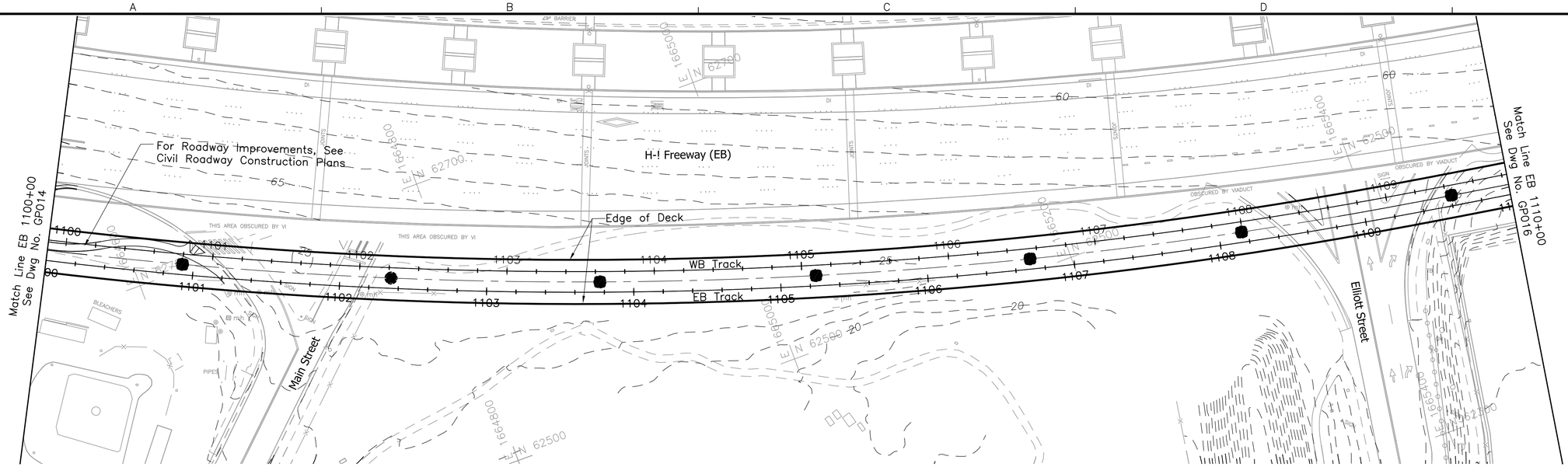

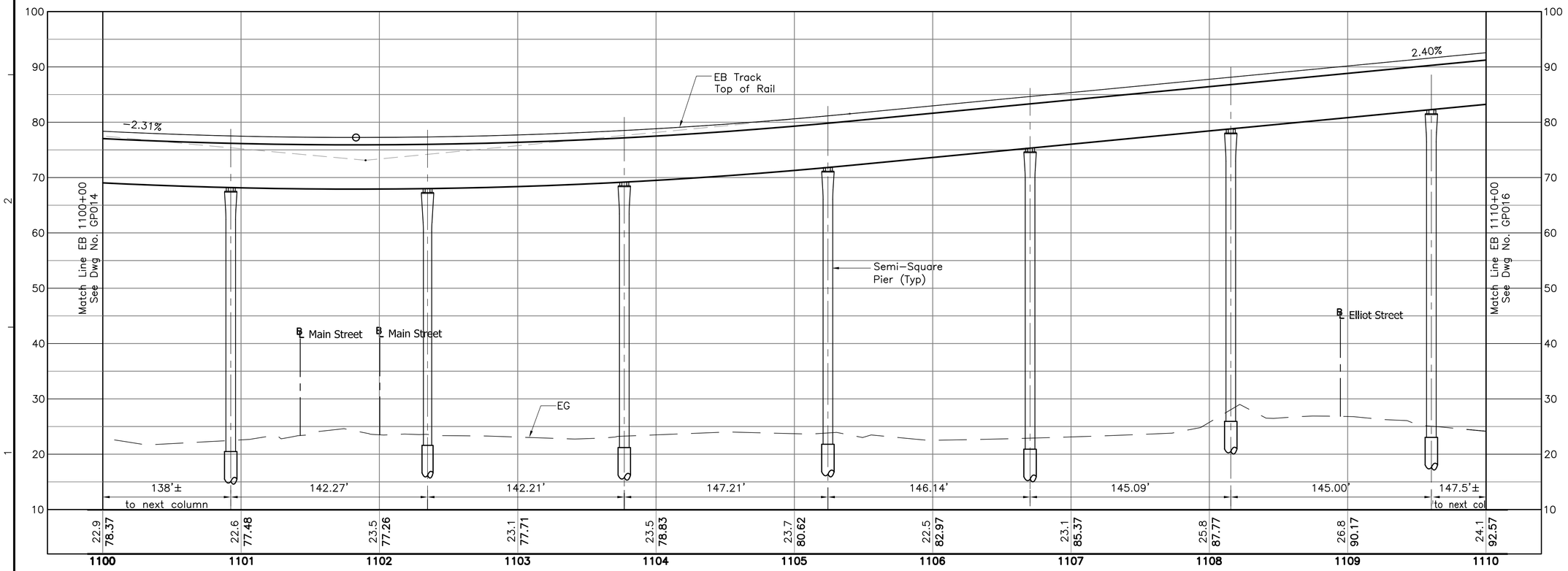

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STRUCTURAL PLAN AND PROFILE

EB 1100+00 TO EB 1110+00

Contract No.: SV-430
CADD File: AP-G04-GP015
Drawing No: GP015 Rev.
Scale: 1"=40' H, 1"=10' V
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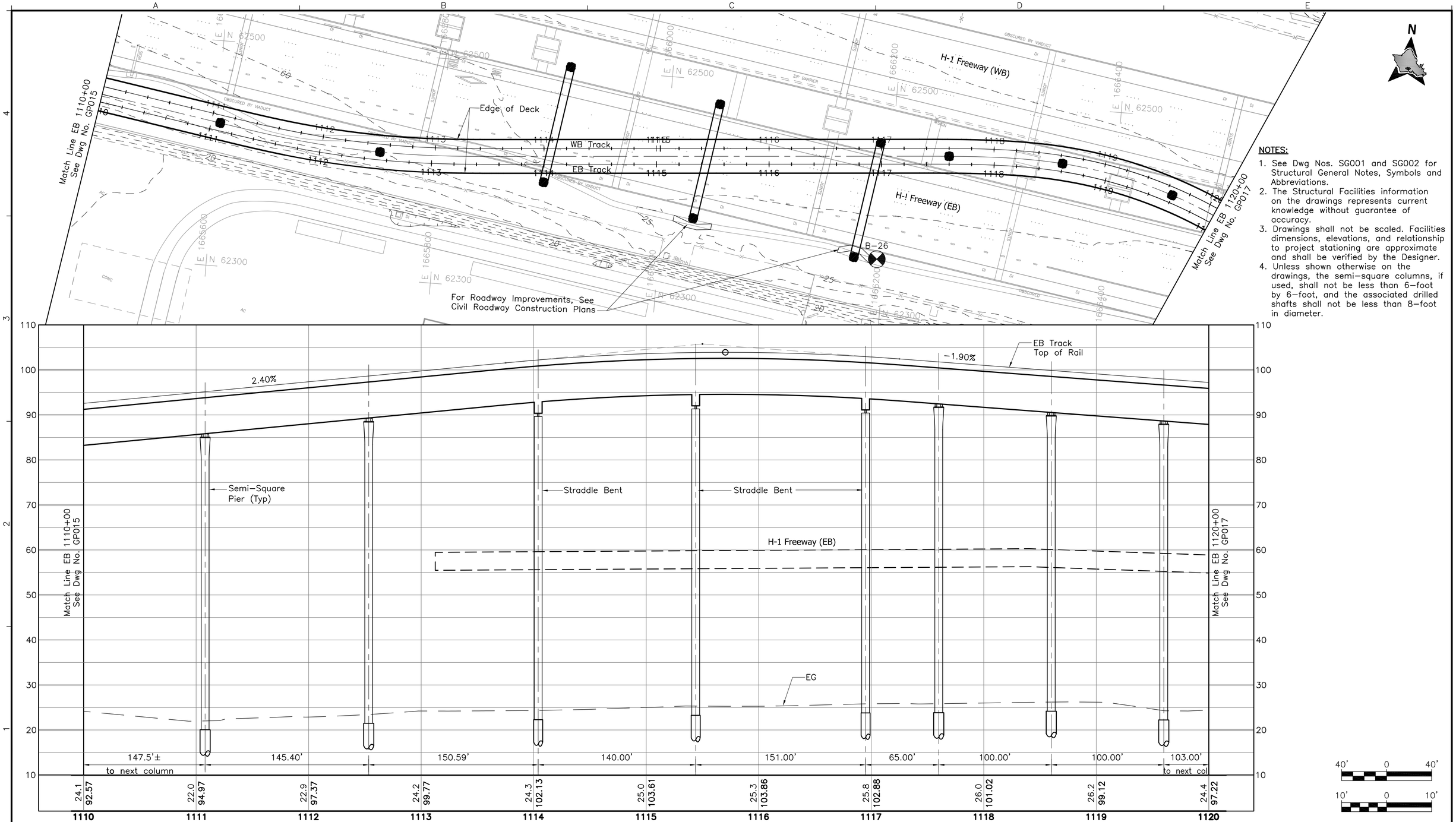

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STRUCTURAL
PLAN AND PROFILE

EB 1110+00 TO EB 1120+00

Contract No.: SV-430
CADD File: AP-G04-GP016
Drawing No.: GP016 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 37 of 193

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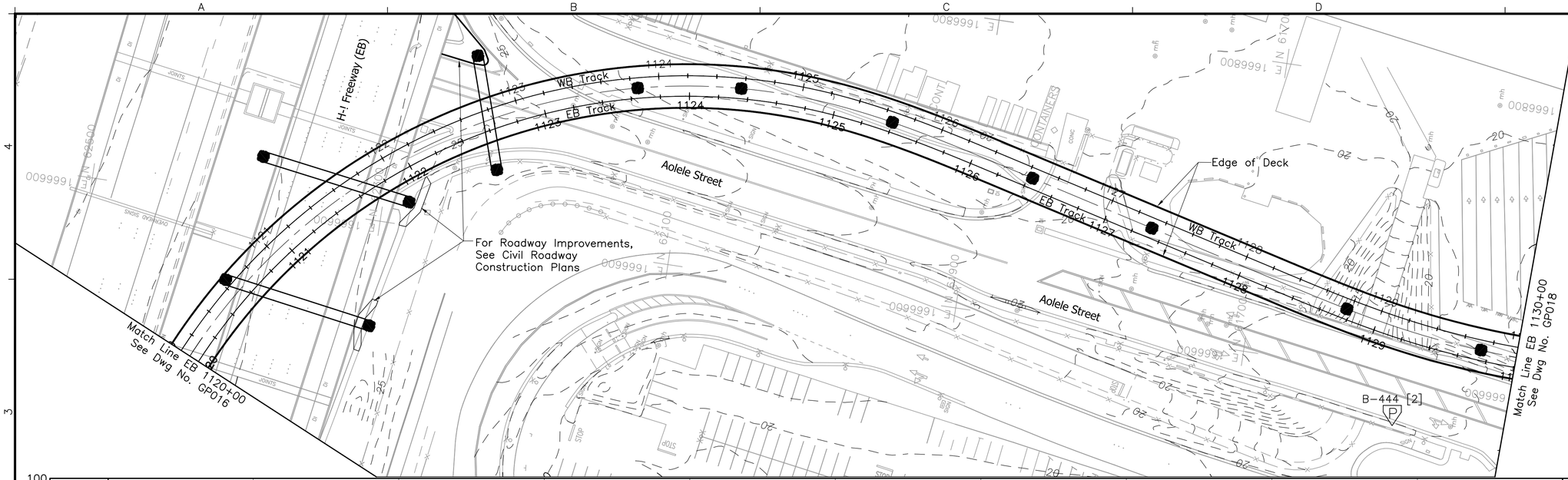

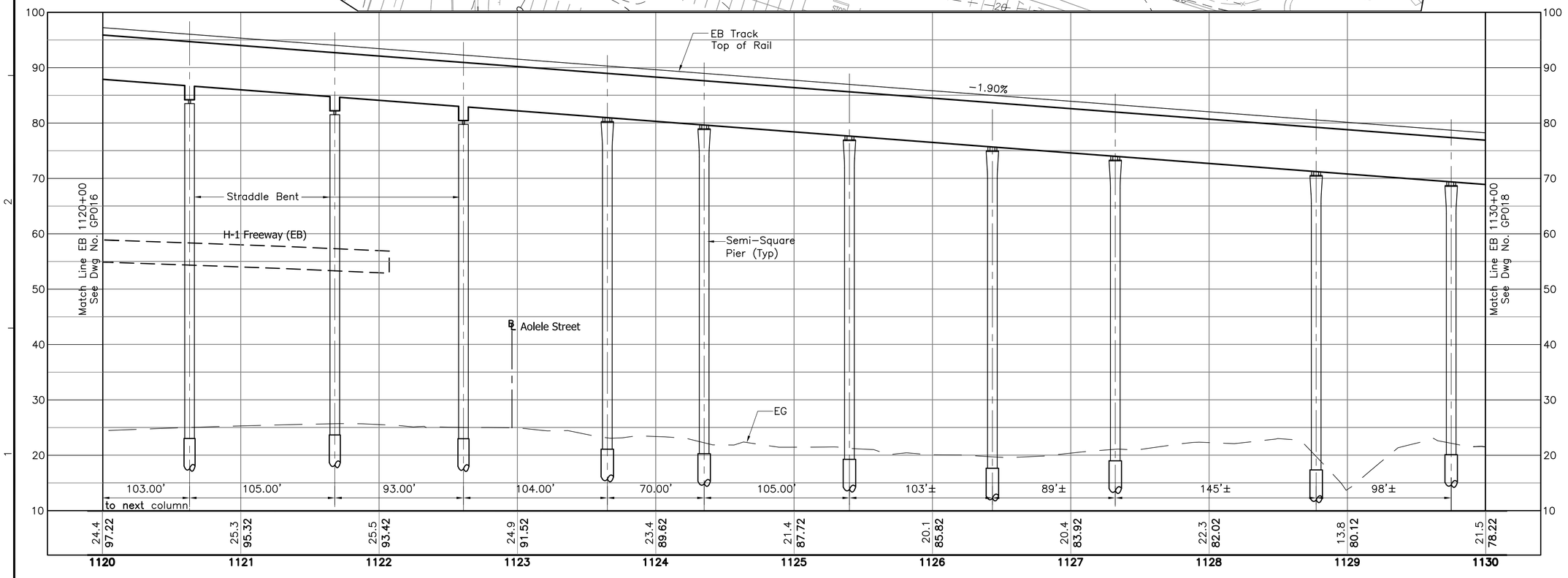

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1120+00 TO EB 1130+00

Contract No.: SV−430
CADD File: AP−G04−GP017
Drawing No: GP017 Rev.
Scale: 1"=40' H, 1"=10' V
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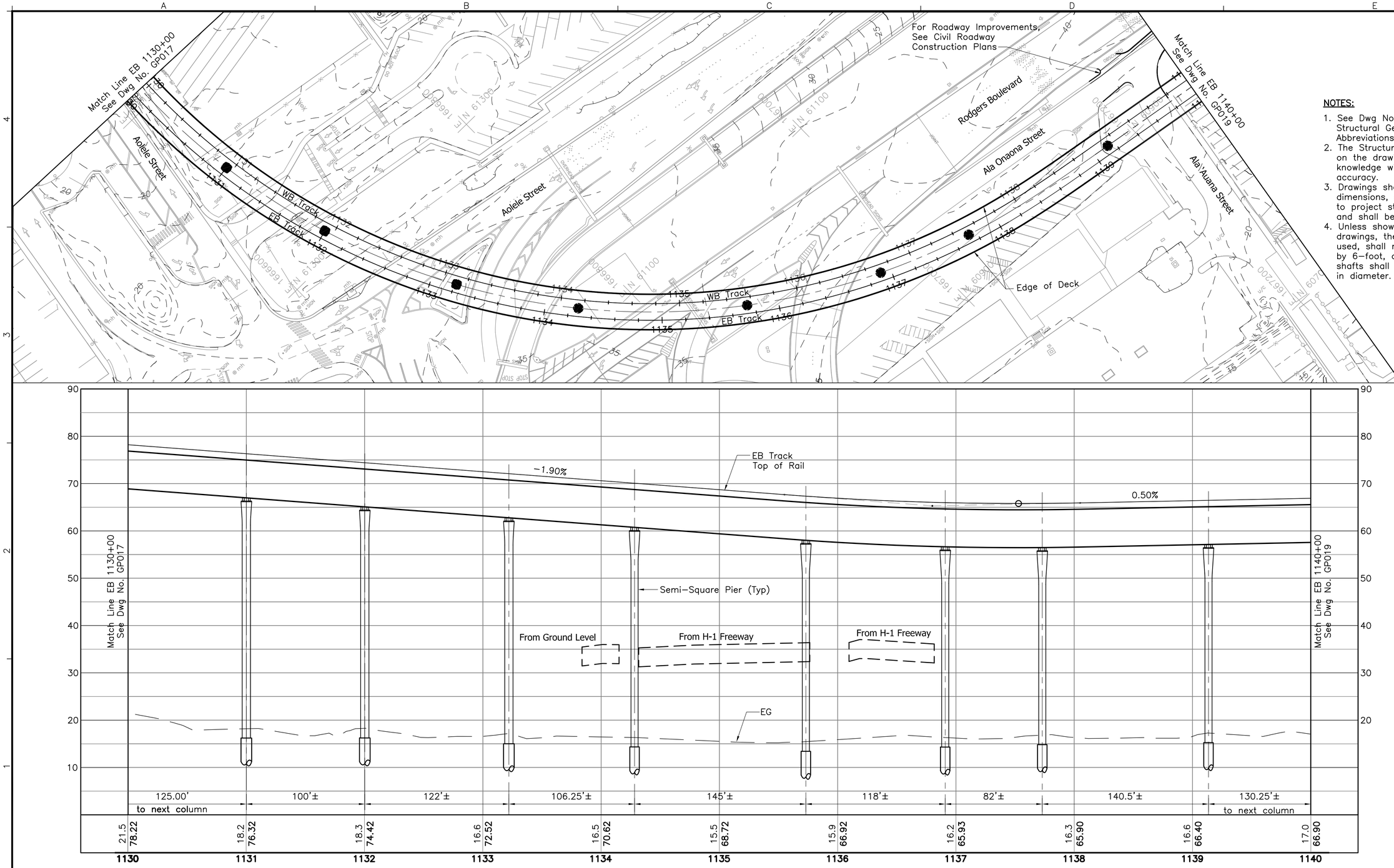

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STRUCTURAL PLAN AND PROFILE

EB 1130+00 TO EB 1140+60

Contract No.: SV-430
CADD File: AP-G04-GP018
Drawing No: GP018
Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 39 of 193

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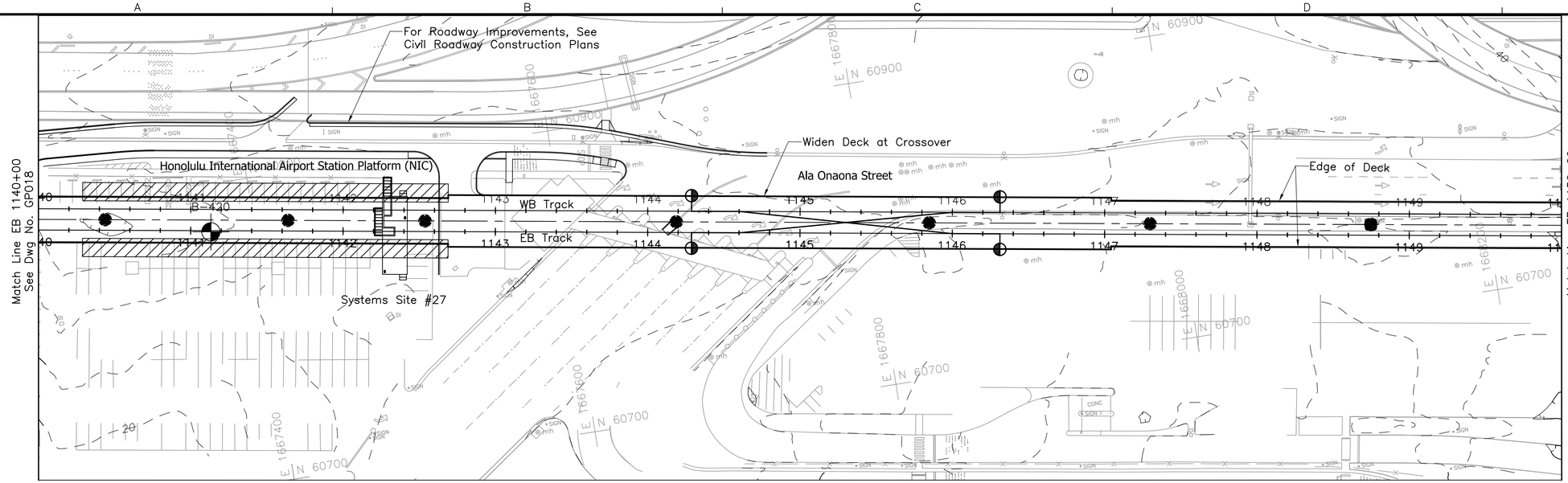

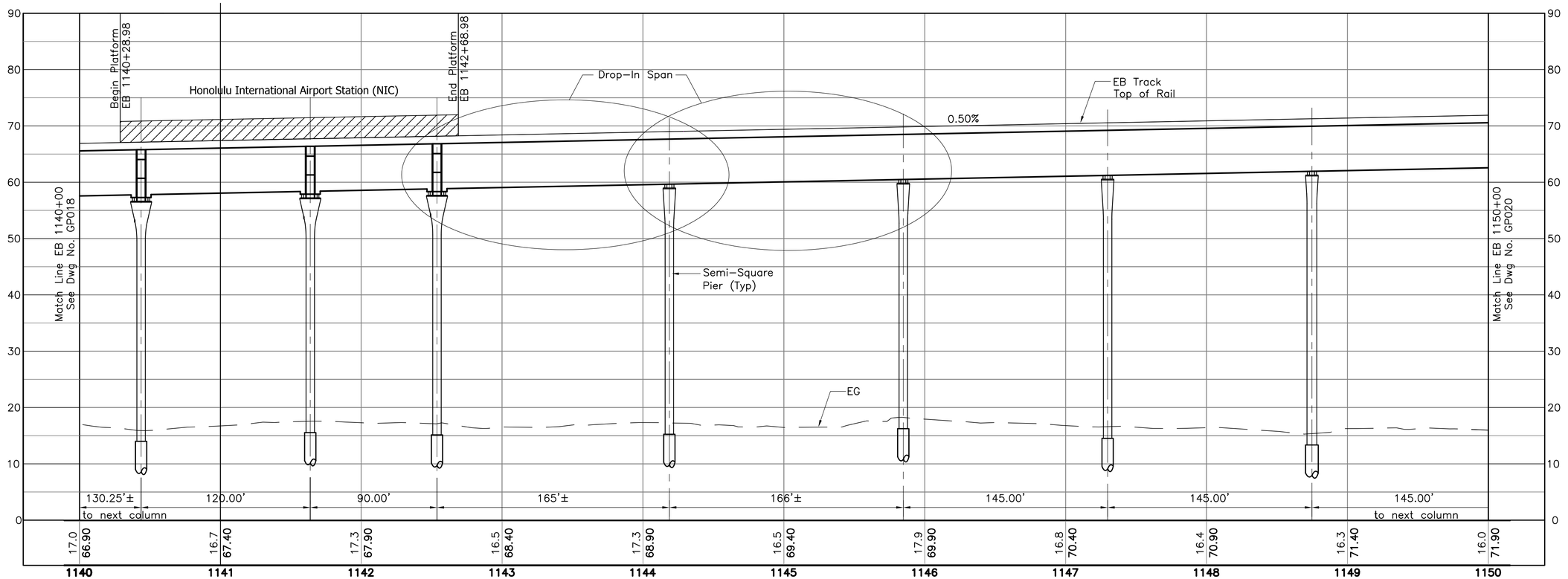

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STRUCTURAL PLAN AND PROFILE

EB 1140+60 TO EB 1150+00

Contract No.: SV-430
CADD File: AP-G04-GP019
Drawing No: GP019 Rev.
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Page No. 40 of 193

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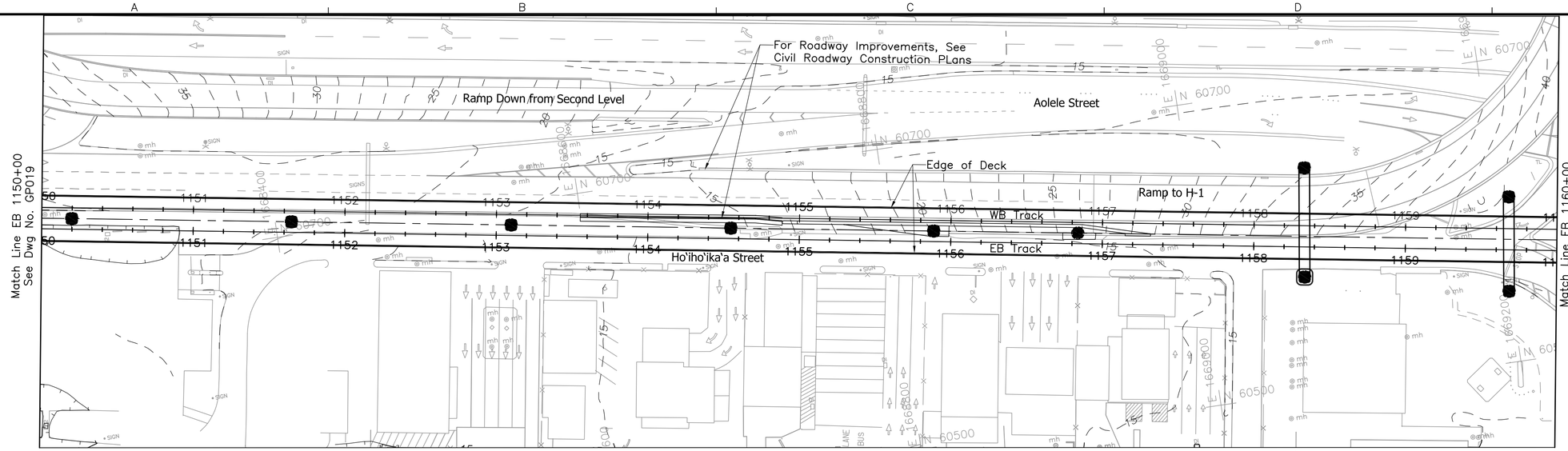

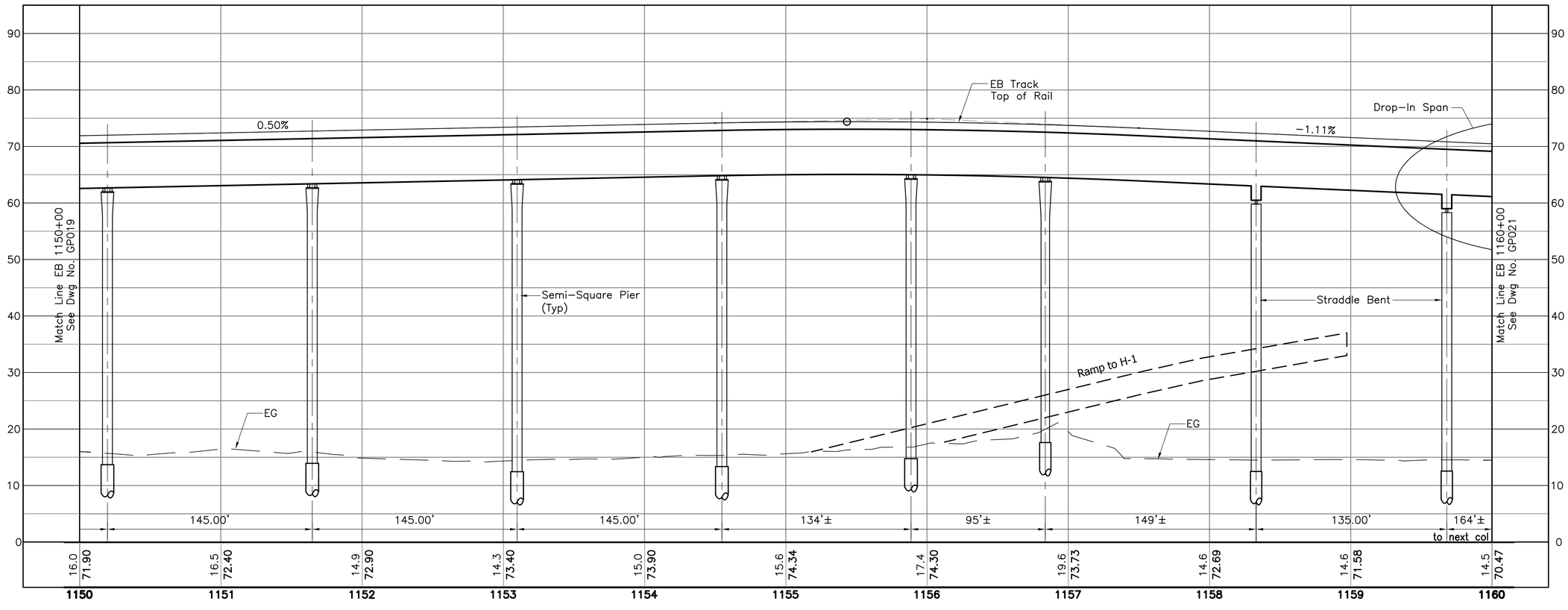

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1150+00 TO EB 1160+00

Contract No.: SV-430
CADD File: AP-G04-GP020
Drawing No: GP020 Rev.
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Page No. 41 of 193

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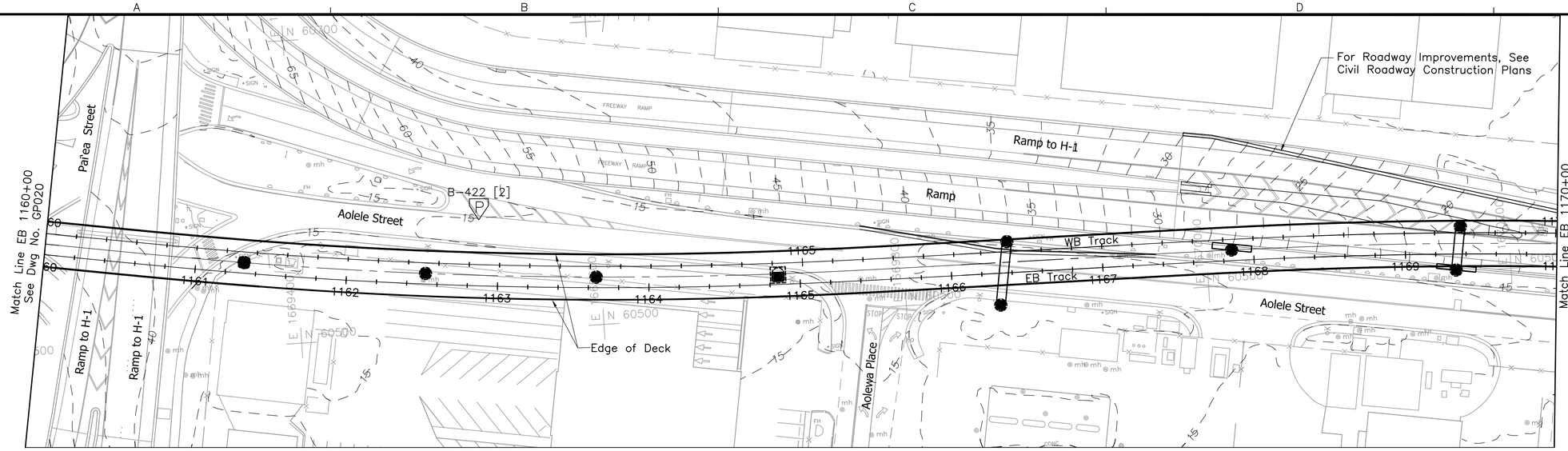

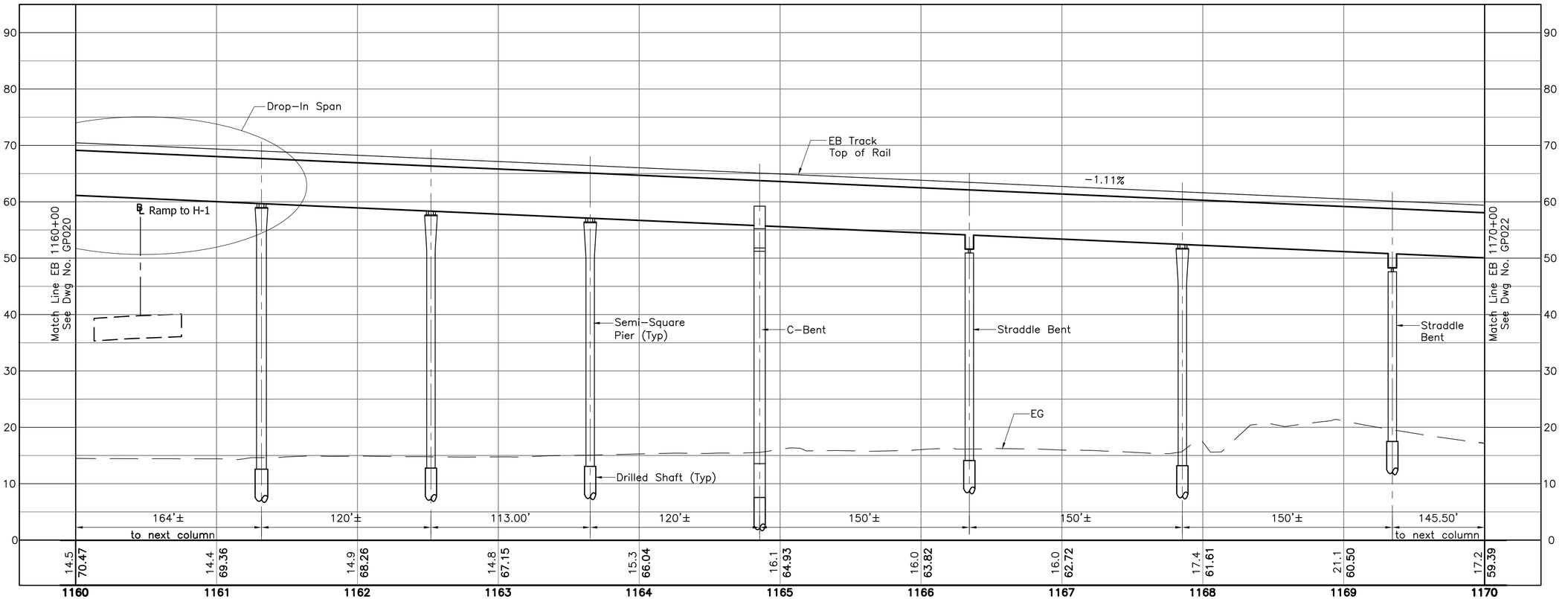

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STRUCTURAL
PLAN AND PROFILE

EB 1160+00 TO EB 1170+00

Contract No.: SV-430
CADD File: AP-G04-GP021
Drawing No: GP021 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 42 of 193

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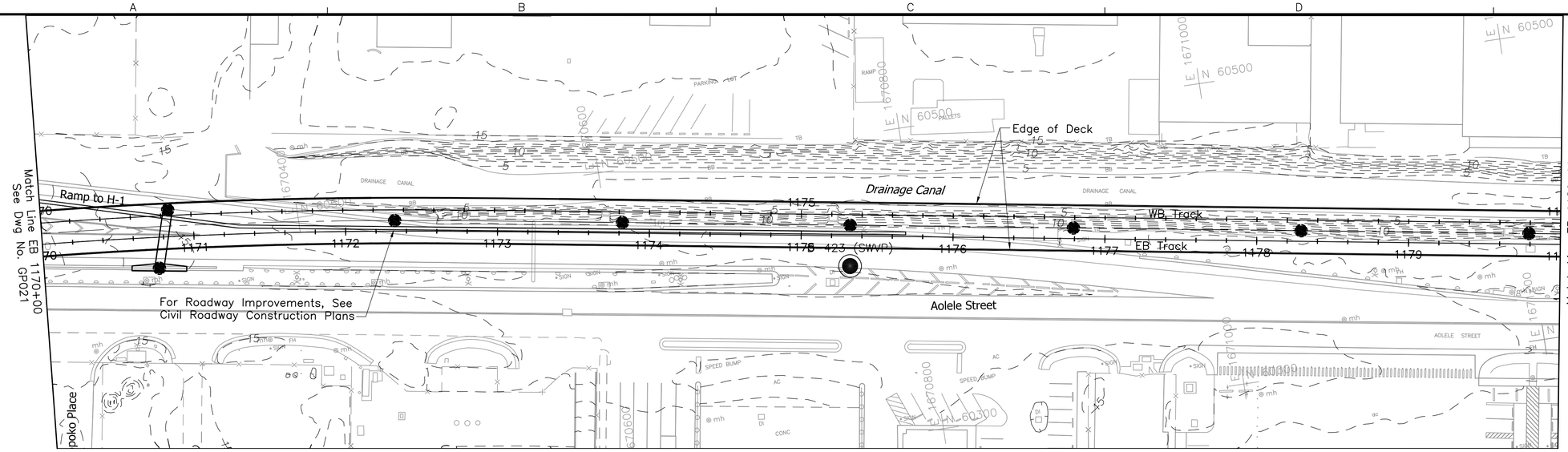

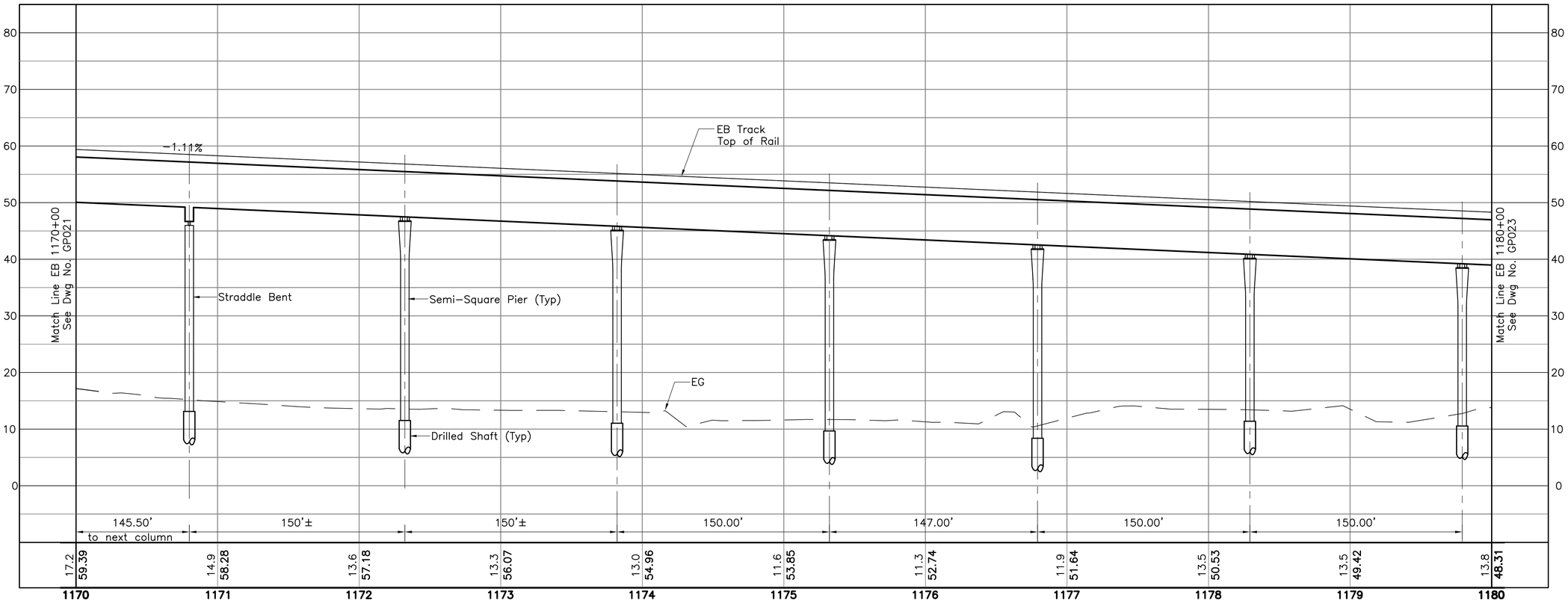

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STRUCTURAL
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EB 1170+00 TO EB 1180+00

Contract No.: SV-430
CADD File: AP-G04-GP022
Drawing No: GP022 Rev.
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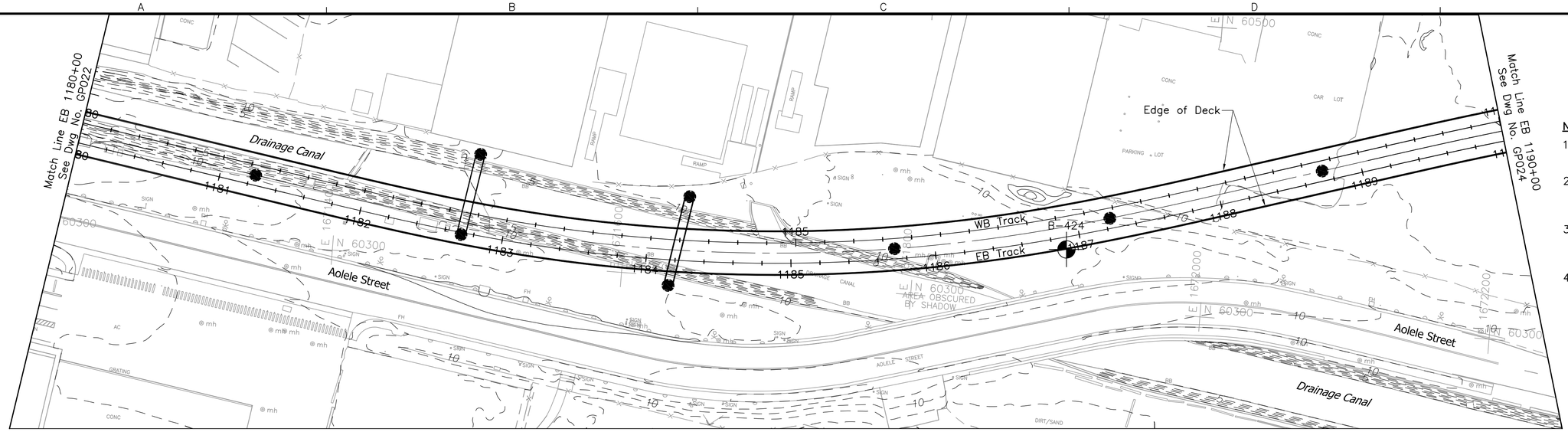

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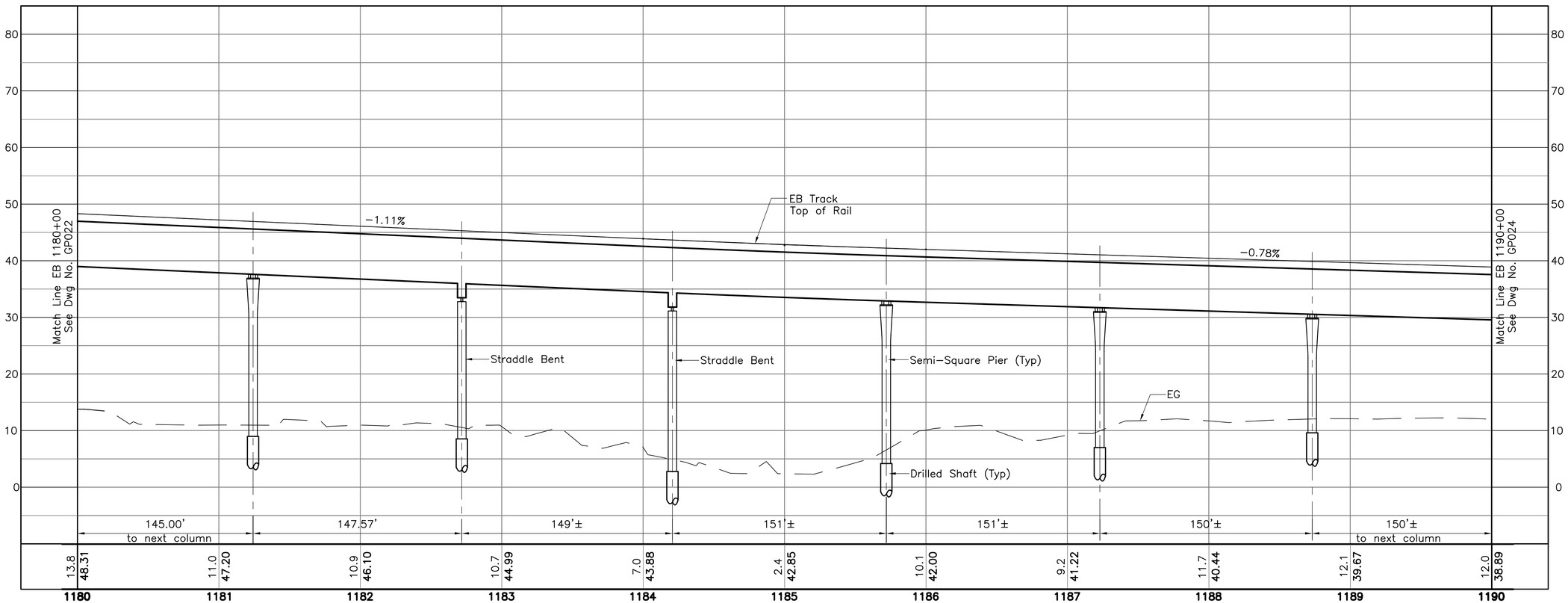

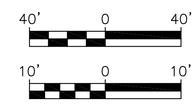

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Date: 10-01-10

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

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

Subconsultant:

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL
PLAN AND PROFILE

EB 1180+00 TO EB 1190+00

Contract No.: SV-430
CADD File: AP-G04-GP023
Drawing No: GP023 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 44 of 193

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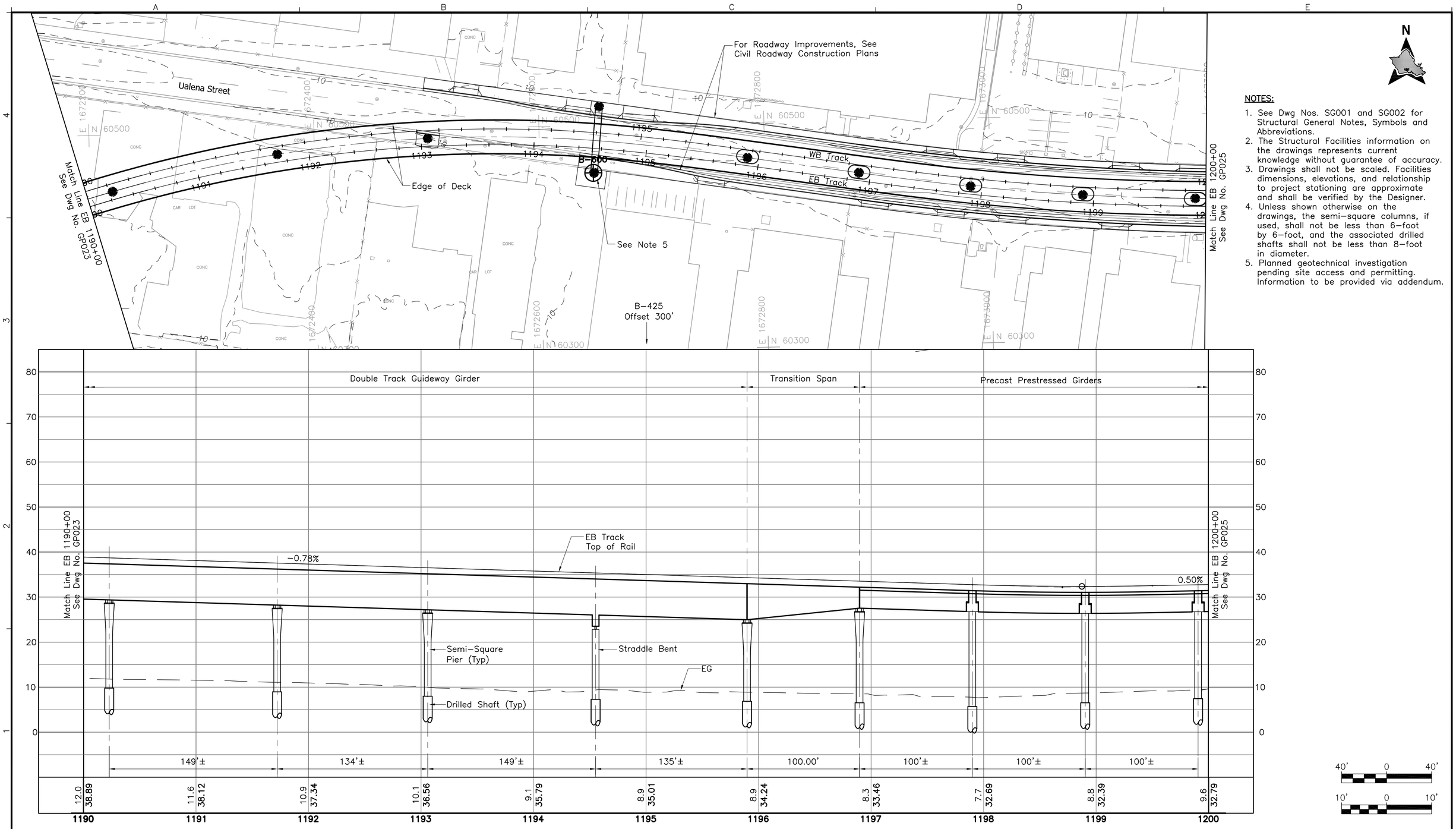

NOTES:

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5. Planned geotechnical investigation pending site access and permitting. Information to be provided via addendum.

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

Designed: D Yavorsky
Drawn: T Cochran
Checked: T Kimura
Approved: A Borst
Date: 10-01-10

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

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Subconsultant:

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL
PLAN AND PROFILE

EB 1190+00 TO EB 1200+00

Contract No.: SV-430
CADD File: AP-G04-GP024
Drawing No: GP024 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 45 of 193

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B–31
Offset 700'

Edge of Deck

Lagoon Drive

Pedestrian Walkway
Station Columns (NIC)

Lagoon Drive Station Platform (NIC)

Match Line EB 1200+00
See Dwg No. GP024

Match Line EB 1210+00
See Dwg No. GP026

Ualena Street

WB Track

EB Track

1201 1202 1203 1204 1205 1206 1207 1208 1209

B–601

For Roadway Improvements, See
Civil Roadway Construction Plans

See Note 5

ASPHALT

E 1673200 N 60300
E 1673400 N 60500
E 1673600 N 60500
E 1673800 N 60500
E 1674000 N 60500
E 1673400 N 60300
E 1673600 N 60300

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Precast Prestressed Girders | Transition Span | Double Track Guideway Girder

Match Line EB 1200+00
See Dwg No. GP024

Match Line EB 1210+00
See Dwg No. GP026

EB Track
Top of Rail

0.50%

Begin Platform
EB 1207+19.72

End Platform
EB 1209+59.72

Lagoon Drive Station

℄ Lagoon Drive

Semi–Square
Pier (Typ)

EG

Drilled Shaft (Typ)

70 60 50 40 30 20 10 0

100'± to next column | 100.00' | 100'± | 100'± | 100'± | 100'± | 100'± | 140.00' | 115.00' | 115.00' | 140.00' to next col

9.6 32.79	10.4 33.29	11.2 33.79	11.8 34.29	11.3 34.79	10.4 35.29	8.9 35.79	8.2 36.29	7.5 36.79	8.0 37.29	8.5 37.79
1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210

40' 0 40'

10' 0 10'

Rev	By	Date	Description

PRELIMINARY ENGINEERING SUBJECT TO REVISION

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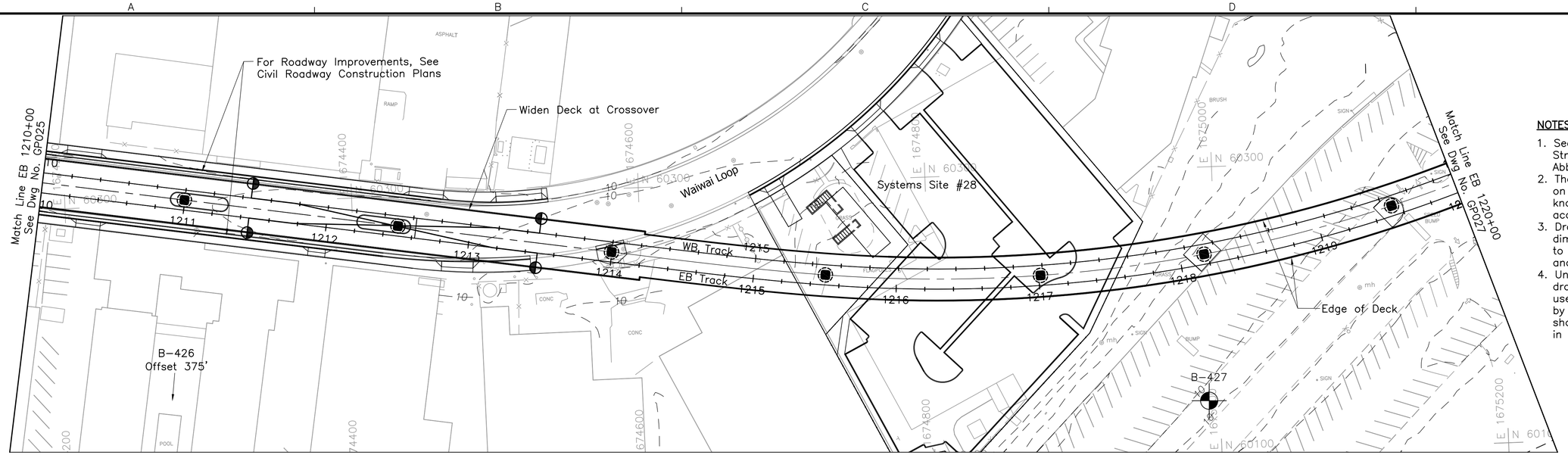
AIRPORT GUIDEWAY & UTILITIES

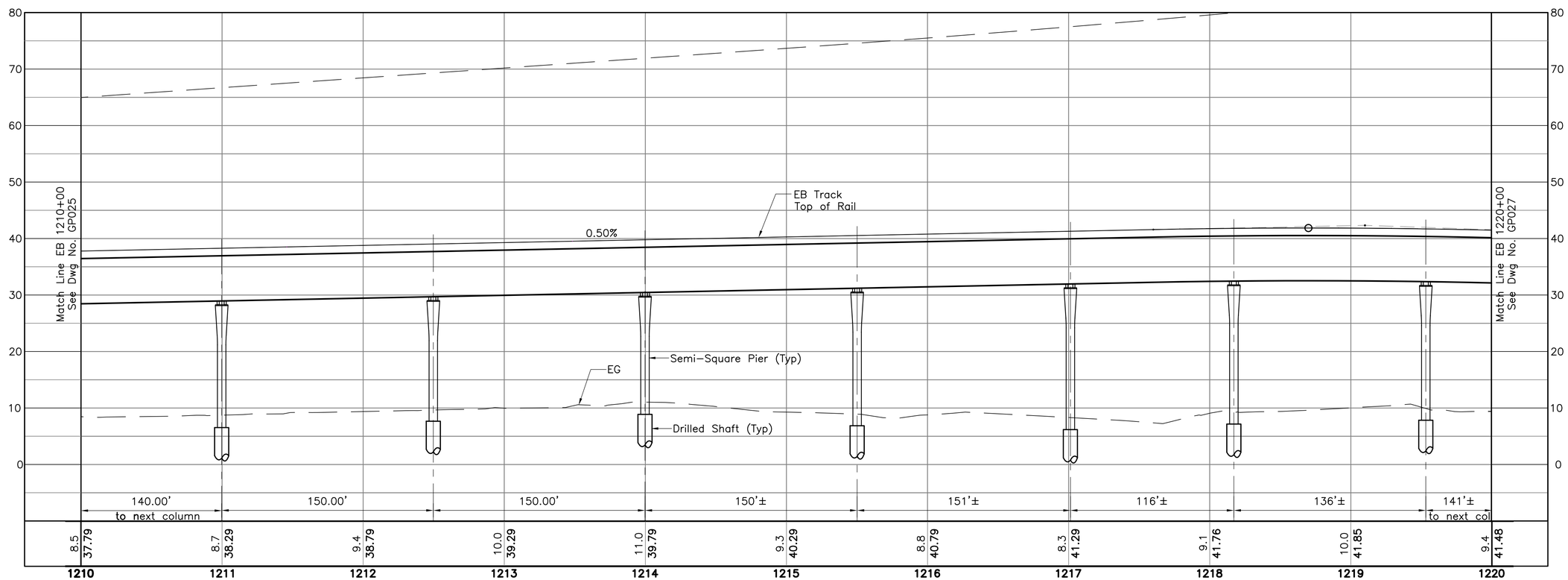
STRUCTURAL PLAN AND PROFILE

EB 1200+00 TO EB 1210+00

Contract No.: SV–430
CADD File: AP–G04–GP025
Drawing No.: GP025 Rev.
Scale: 1"=40' H, 1"=10' V
Page No.: 46 of 193

2010–09–27 10:00 AM K:\CADD\08 Structural\Segment J_Airport\AP–G04–GP021.dwg





N

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40' 0 40'

10' 0 10'

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1210+00 TO EB 1220+00

Contract No.: SV-430
CADD File: AP-G04-GP026
Drawing No: GP026 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 47 of 193

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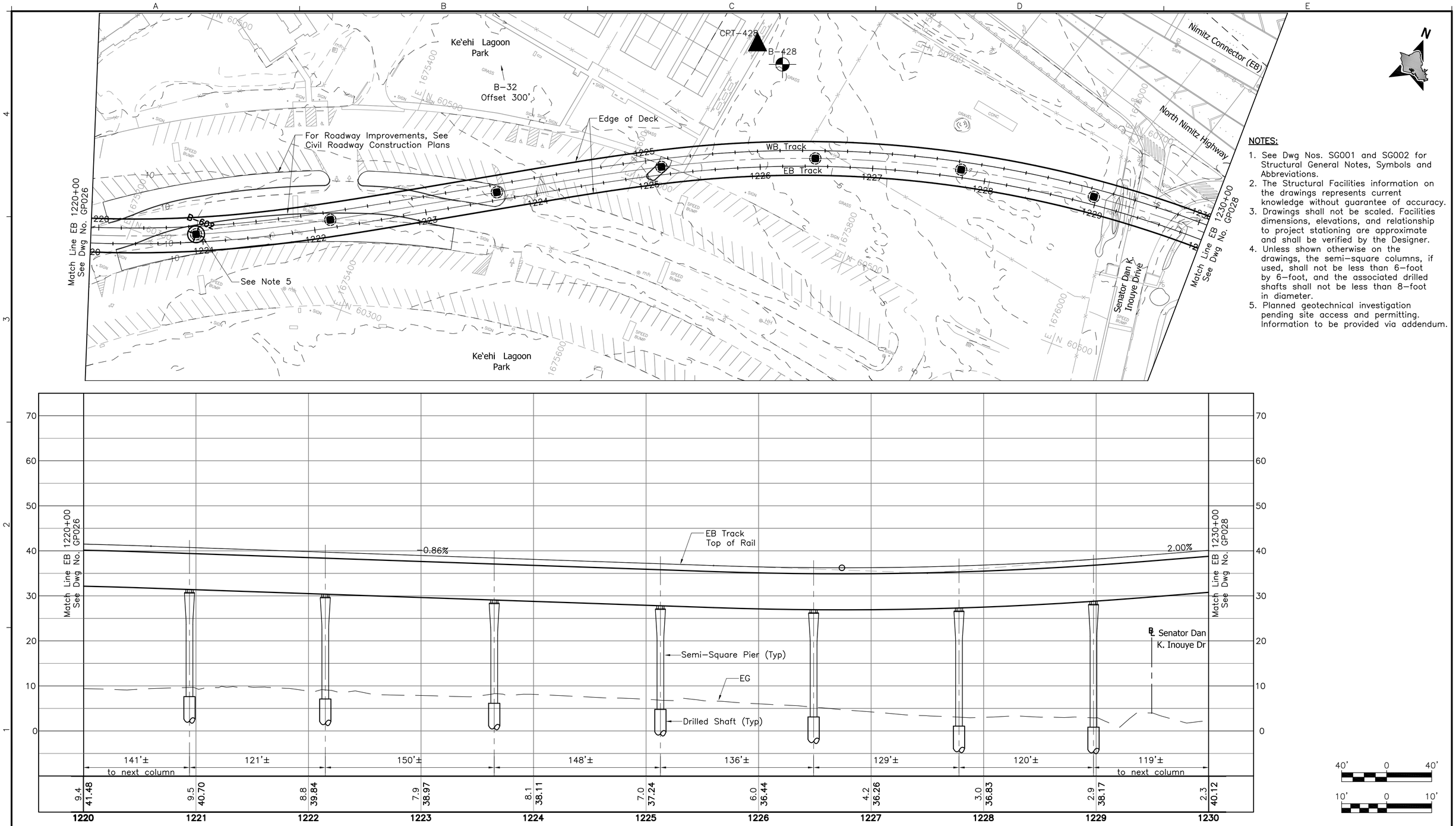

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1220+00 TO EB 1230+00

Contract No.: SV-430
CADD File: AP-G04-GP027
Drawing No.: GP027 Rev.:
Scale: 1"=40' H, 1"=10' V
Page No.: 48 of 193

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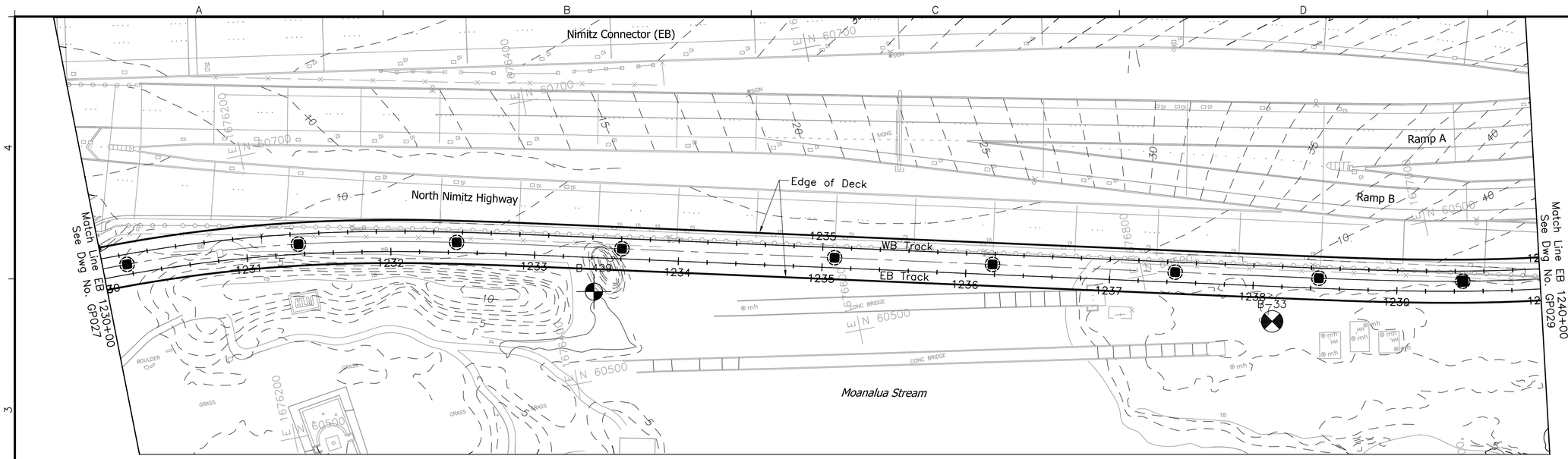

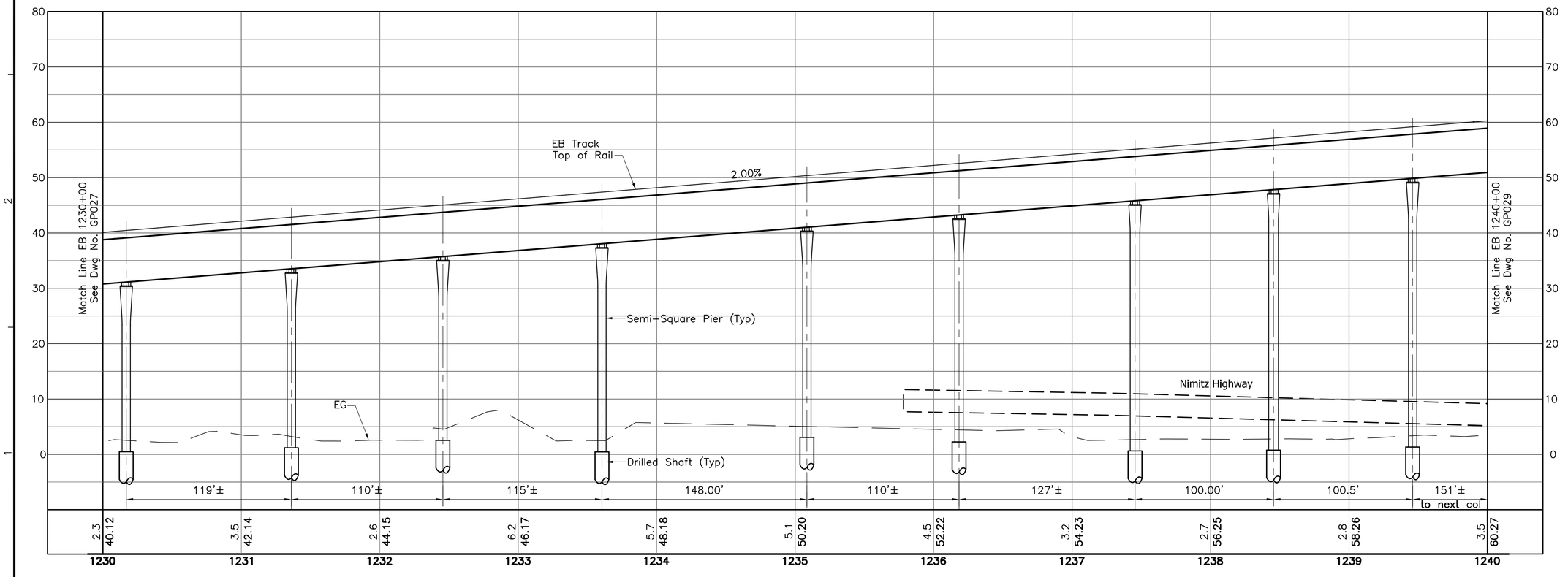

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40' 0 40'

10' 0 10'

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PRELIMINARY ENGINEERING SUBJECT TO REVISION

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Approved: A Borst
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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1230+00 TO EB 1240+00

Contract No.: SV-430
CADD File: AP-G04-GP028
Drawing No: GP028 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 49 of 193

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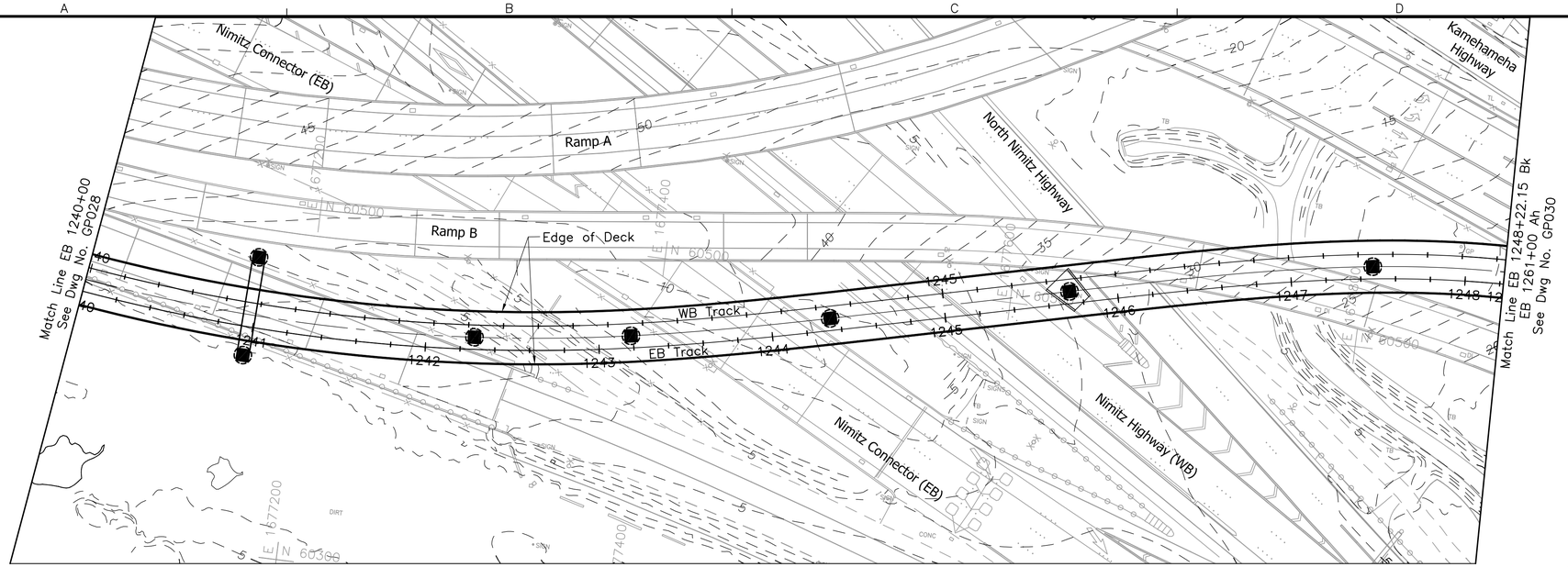

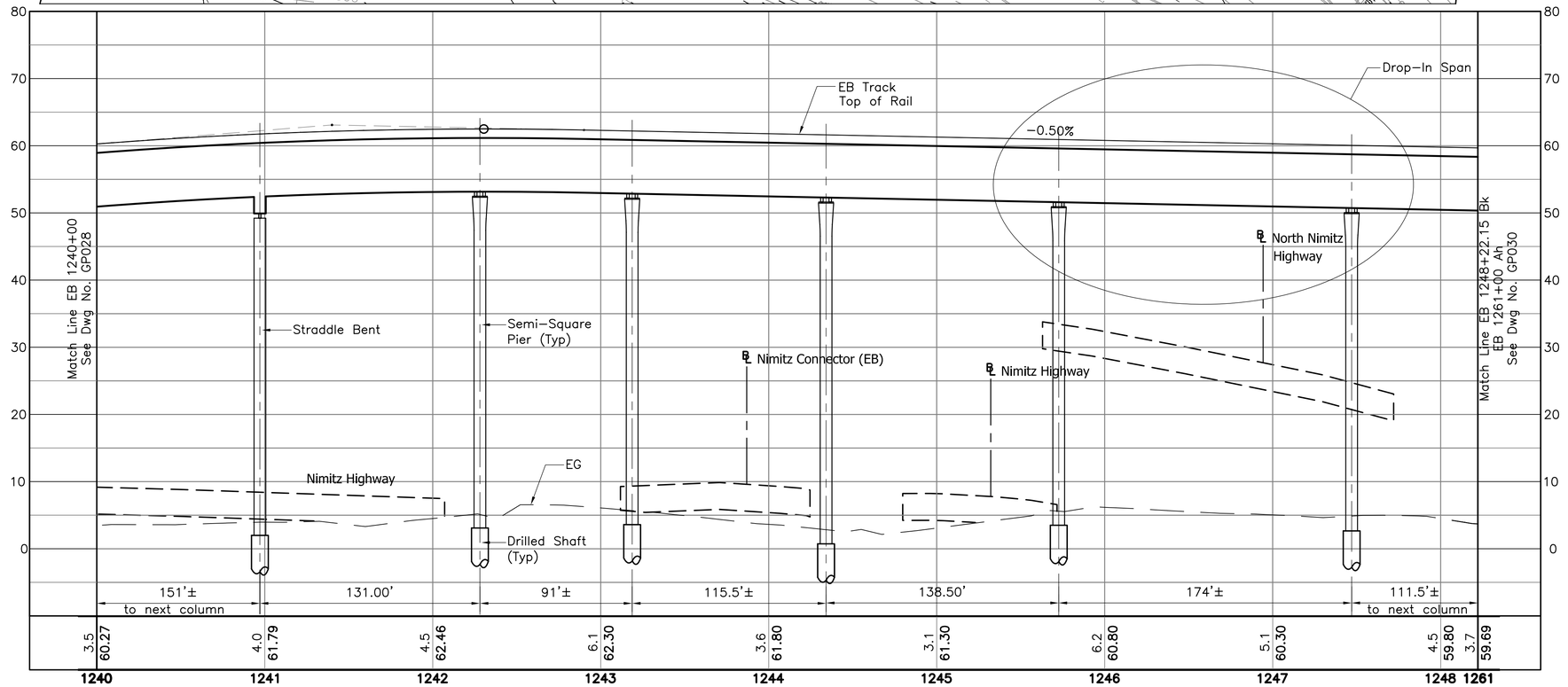

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40' 0 40'

10' 0 10'

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1240+00 TO EB 1248+22.15 Bk

Contract No.: SV−430
CADD File: AP−G04−GP029
Drawing No.: GP029 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 50 of 193

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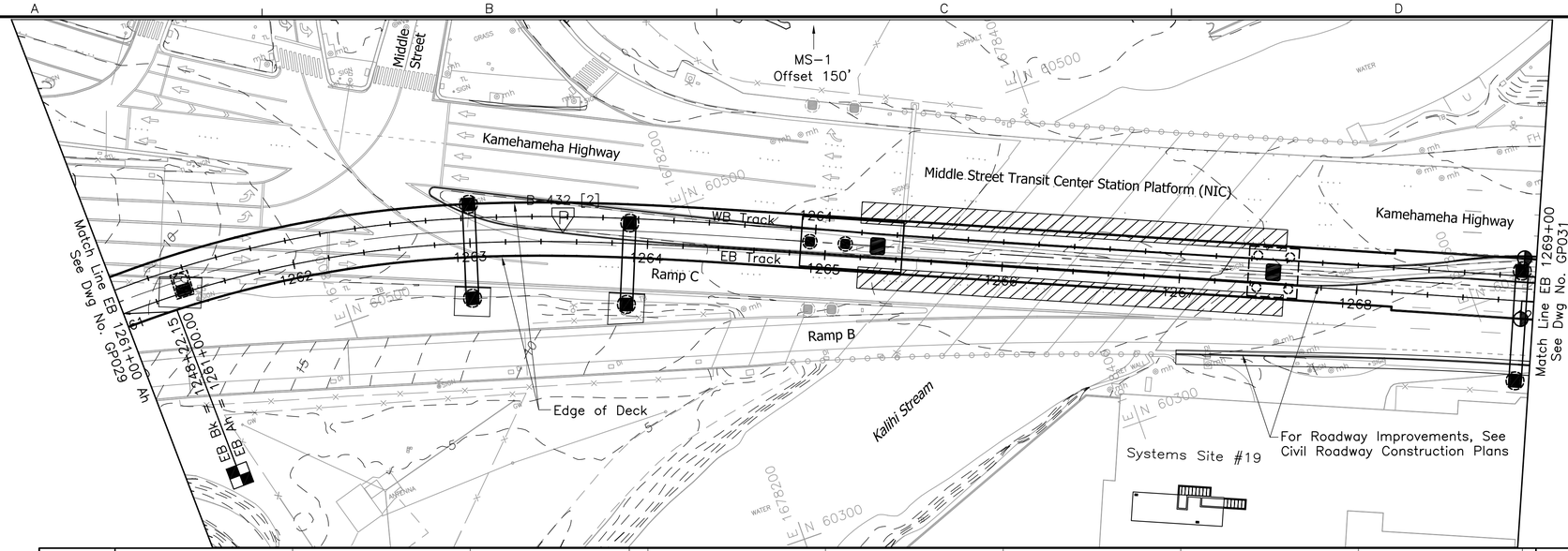

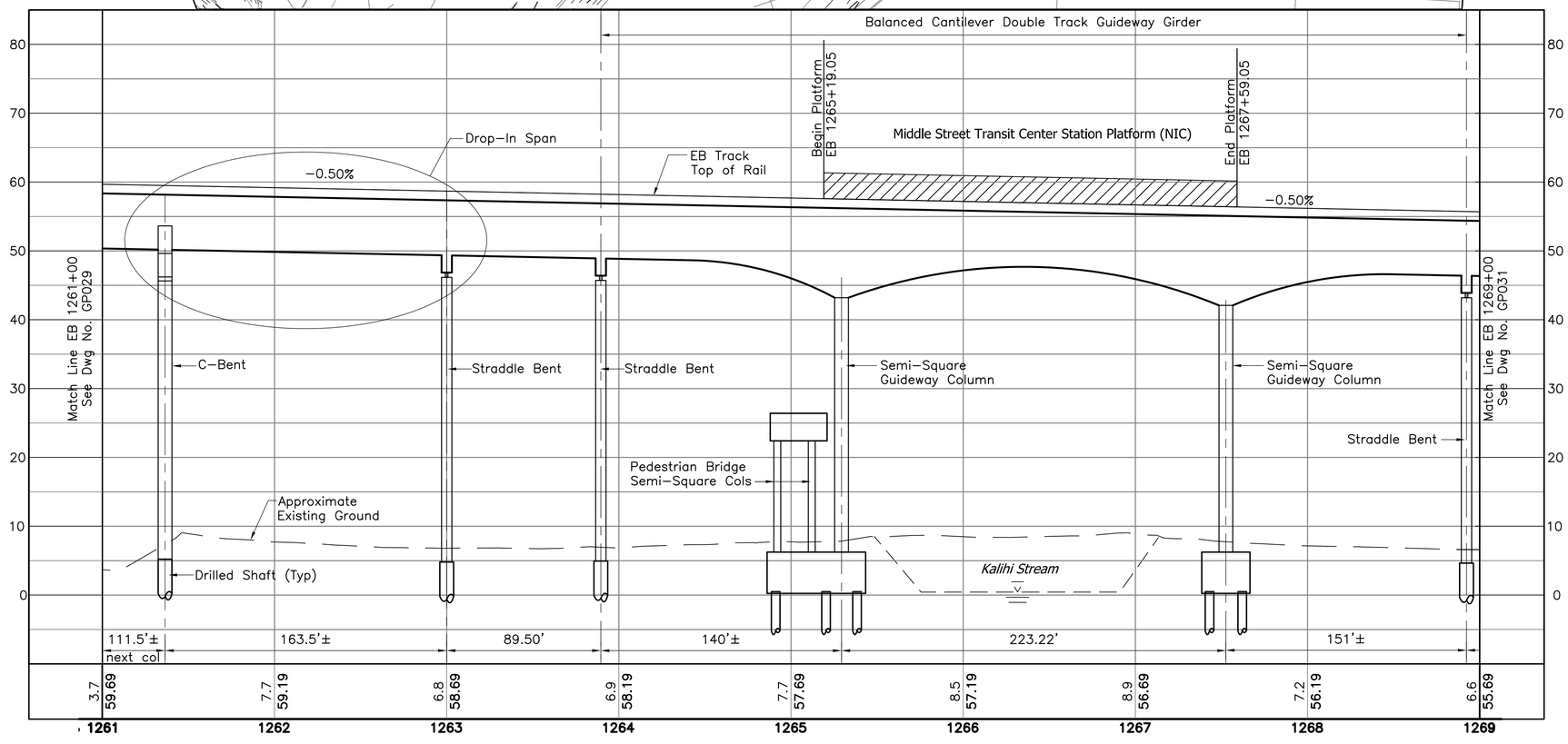

N

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL
PLAN AND PROFILE

EB 1261+00 Ah TO EB 1269+00

Contract No.: SV-430
CADD File: AP-G04-GP030
Drawing No: GP030 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 51 of 193

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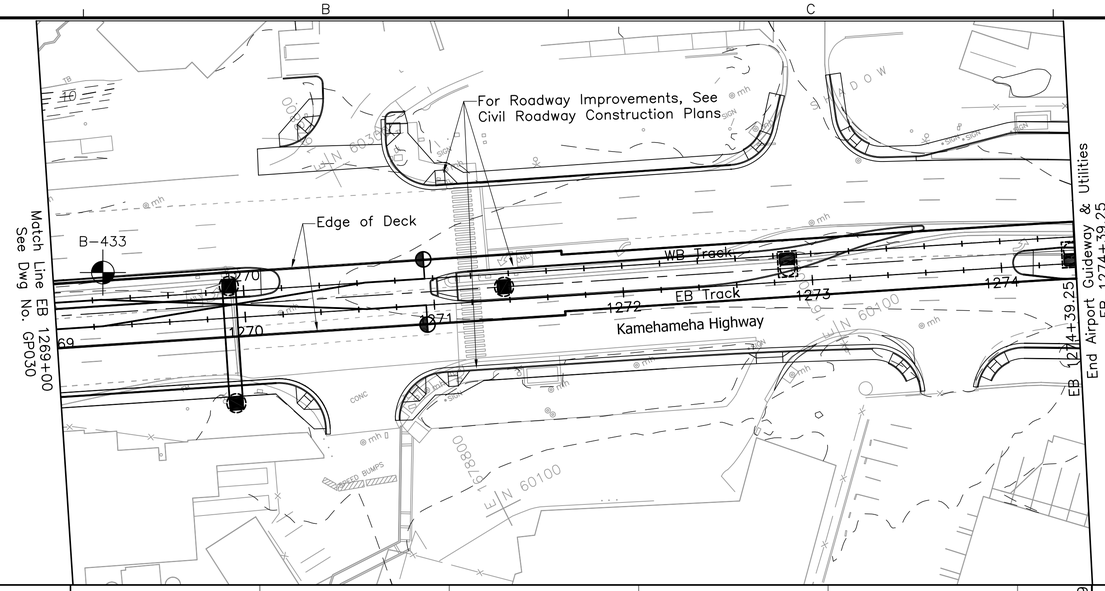

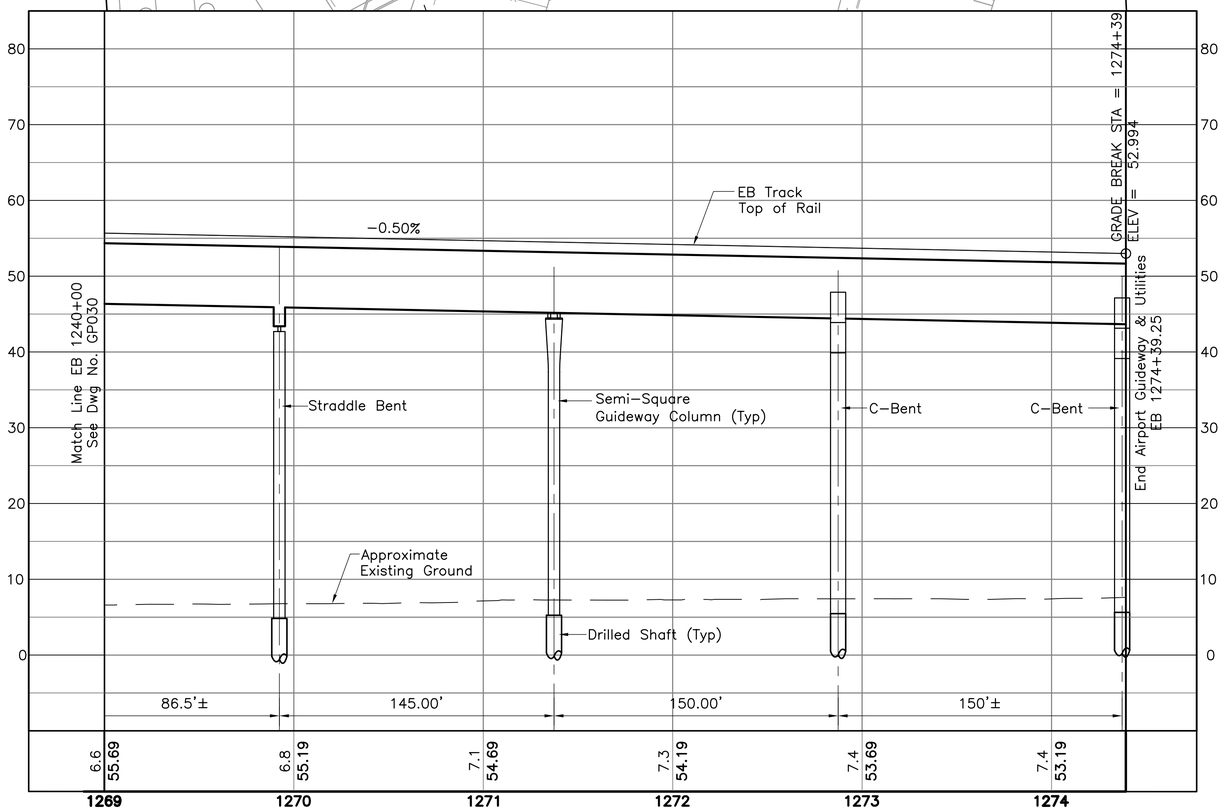

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AIRPORT GUIDEWAY & UTILITIES

STRUCTURAL PLAN AND PROFILE

EB 1269+00 TO EB 1274+39.25

Contract No.: SV-430
CADD File: AP-G04-GP031
Drawing No: GP031 Rev.
Scale: 1"=40' H, 1"=10' V
Page No. 52 of 193

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