

PLAN LEGEND (ODOT - MAINLINE & RAMPS)

EX.	PR.	ITEM
		LIGHT POLE OR TOWER, EXISTING
		HIGH MAST UNIT W/ 2, 3 OR 4 LED LUMINAIRES, HEIGHT VARIES, (NO SHIELDS)
		HIGH MAST UNIT W/ 2 LED LUMINAIRES, HEIGHT VARIES, (180-DEGREE SHIELDS)
		LOW MAST UNIT W/ 1 LED LUMINAIRE, 50' HEIGHT, (NO SHIELDS)
		UNDERPASS LED LUMINAIRE
		CONTROL CENTER
		PULL BOX / JUNCTION BOX (SEE PLANS)
		1 1/2" CONDUIT, 725.04
		2" CONDUIT, 725.04
		3" CONDUIT, 725.04
		INDICATES CIRCUIT & NO. OF SINGLE CONDUCTORS IN CABLE OR CONDUIT (NO. 4 AWG WIRE UNLESS INDICATED OTHERWISE)
		LIGHT POLE / TOWER TO BE REMOVED
		PULL BOX / JUNCTION BOX TO BE REMOVED

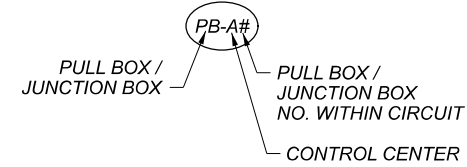
PLAN LEGEND (CITY STREETS)

EX.	PR.	ITEM
		WOOD POLE, EXISTING W/ 1 NEW LED LUMINAIRE, 30' HEIGHT
		WOOD POLE W/ 1 LED LUMINAIRE, 30' HEIGHT
		BRONZE SHOEBOX POLE W/ 1 LED LUMINAIRE, 30' HEIGHT
		UNDERPASS LED LUMINAIRE
		CONTROL CENTER / TRANSFORMER
		PULL BOX / JUNCTION BOX (SEE PLANS)
		4-2" CONDUITS
		3-2" CONDUITS
		2-2" CONDUITS
		1 1/2" CONDUIT, 725.04
		INDICATES CIRCUIT & NO. OF SINGLE CONDUCTORS IN CABLE OR CONDUIT (NO. 4 AWG WIRE UNLESS INDICATED OTHERWISE)
		LIGHT POLE TO BE REMOVED
		PULL BOX / JUNCTION BOX TO BE REMOVED

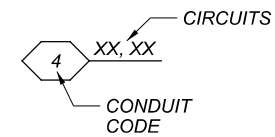
LIGHT FIXTURE IDENTIFICATION NO.



PULL BOX / JUNCTION BOX IDENTIFICATION NO.



TYPICAL CONDUIT CALL-OUTS



CIRCUIT NOTES:

ALL ODOT CIRCUITS SHALL BE 3-WIRE, 3-CONDUCTOR, 240V/240V/GROUND, UNLESS NOTED OTHERWISE.

ALL CPP CIRCUITS SHALL BE 3-WIRE, 3-CONDUCTOR, 120V/120V/GROUND.

CONDUIT CODE

1A	1 1/2" CONDUIT, 725.04, STRUCTURE MOUNTED (ODOT LIGHTING)
1B	1 1/2" CONDUIT, 725.04, IN 24" MIN. DEEP TRENCH (ODOT LIGHTING)
2A	2" CONDUIT, 725.04, STRUCTURE MOUNTED (ODOT LIGHTING)
2B	2" CONDUIT, 725.04, IN 24" MIN. DEEP TRENCH (ODOT LIGHTING)
3	3" CONDUIT, 725.04, IN 24" MIN. DEEP TRENCH (ODOT LIGHTING)
1/1A	1 1/2" CONDUIT OVERHEAD (CPP LIGHTING)
1/1S	1 1/2" CONDUIT, 725.04, STRUCTURE MOUNTED (CPP LIGHTING)
2/2	2-2" CONDUITS, (CPP LIGHTING)
2/2C	2-2" CONDUITS, CONCRETE ENCASED (CPP LIGHTING)
3/2	3-2" CONDUITS, (CPP LIGHTING)
4/2	4-2" CONDUITS, (CPP LIGHTING)
4/2C	4-2" CONDUITS, CONCRETE ENCASED (CPP LIGHTING)

ABBREVIATIONS

- PB = PULL BOX
- JB = JUNCTION BOX
- UP = UNDERPASS

DESIGN AGENCY

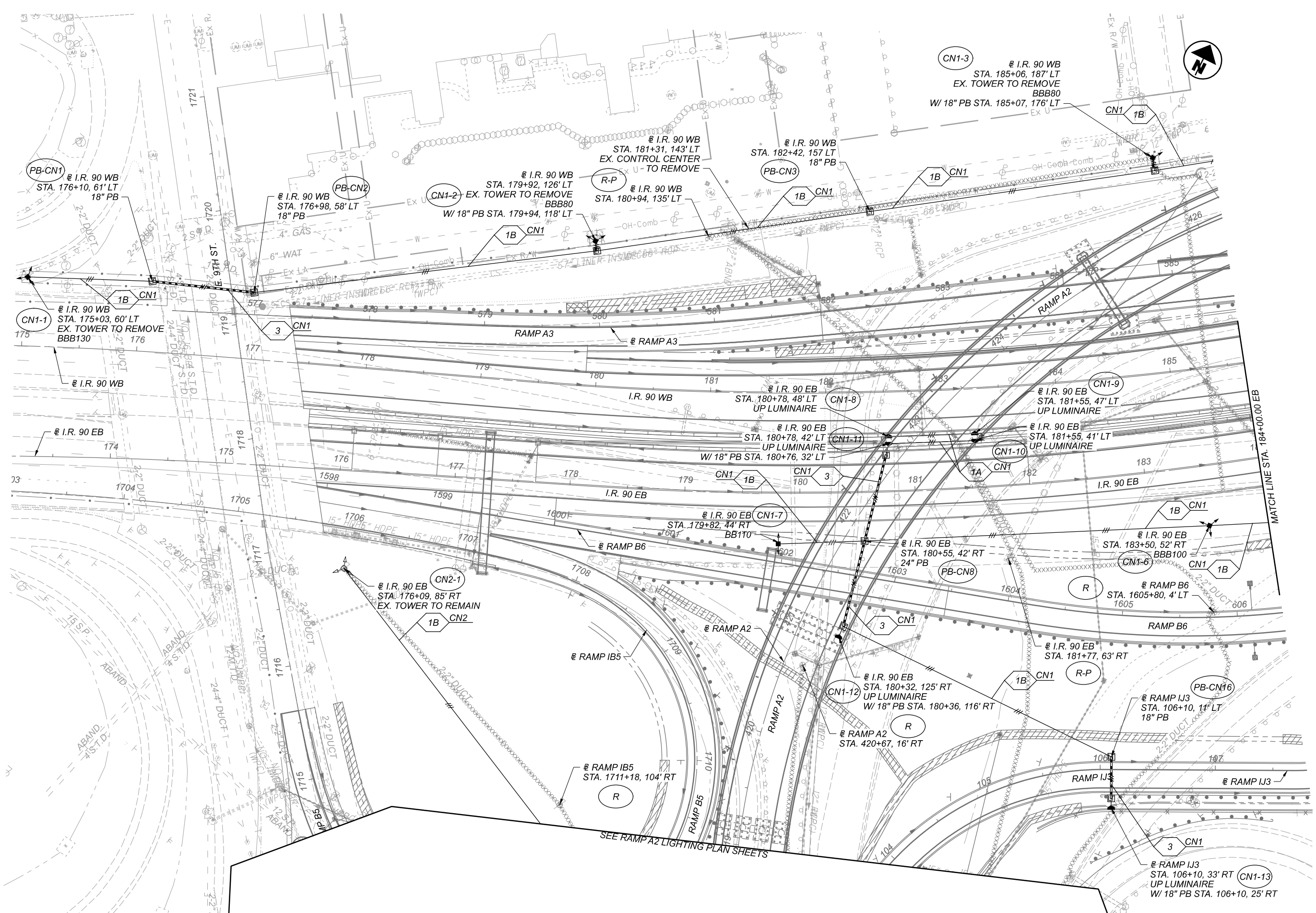
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

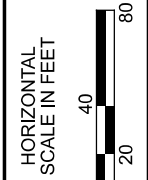
PROJECT ID
82382

SHEET TOTAL
1354 | 2339



NOTES:
1. FOR LEGEND SEE SHEET 1354

SEE RAMP A2 LIGHTING PLAN SHEETS

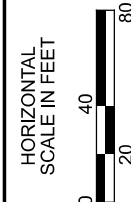
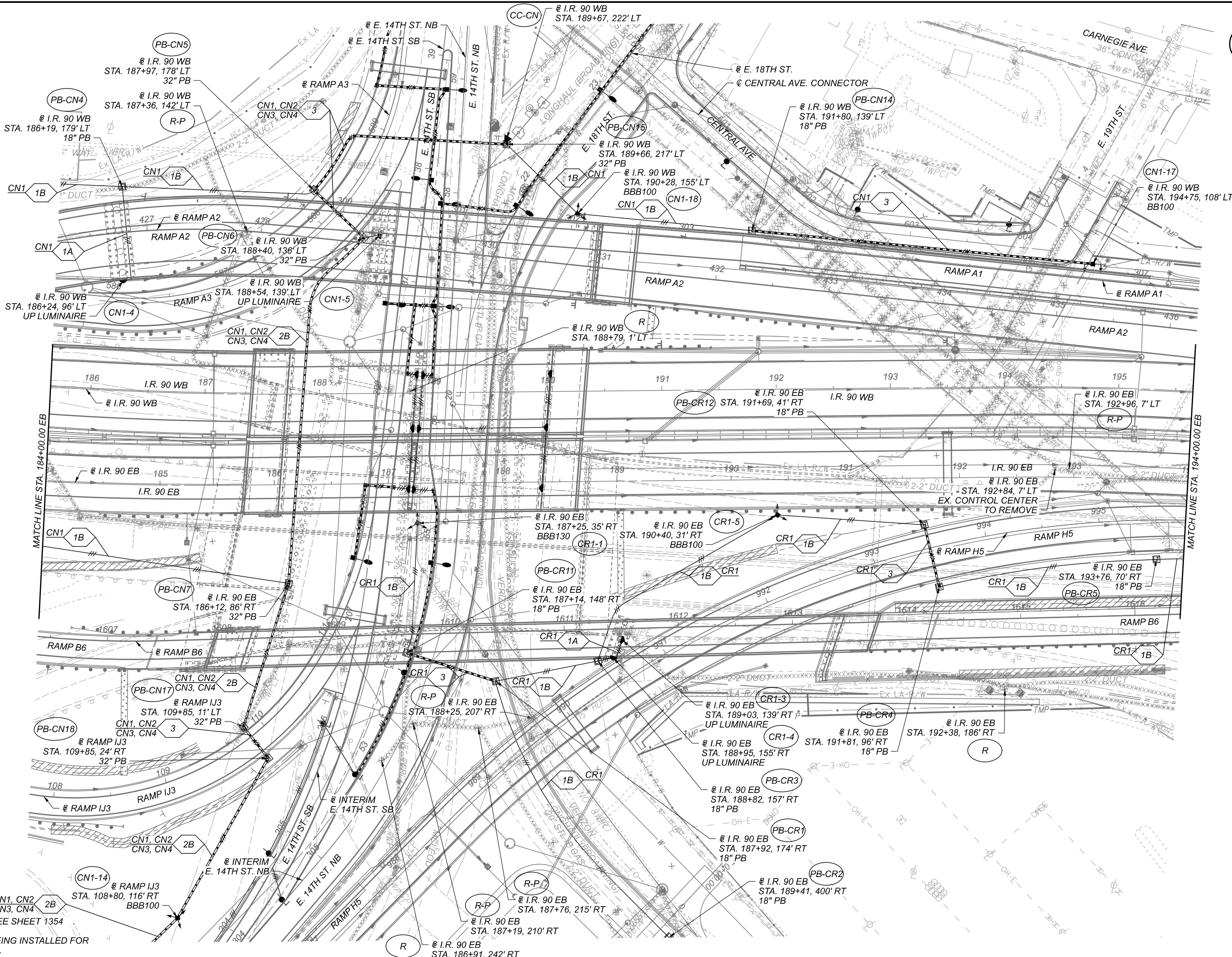


ODOT LIGHTING PLAN - I.R. 90 EB
BEGIN TO STA. 184+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
1355	2339

NOTES:
1. FOR LEGEND SEE SHEET 1354

2. CIRCUIT CN4 BEING INSTALLED FOR FUTURE CCG3B.



ODOT LIGHTING PLAN - I.R. 90 EB
STA. 184+00.00 TO STA. 194+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

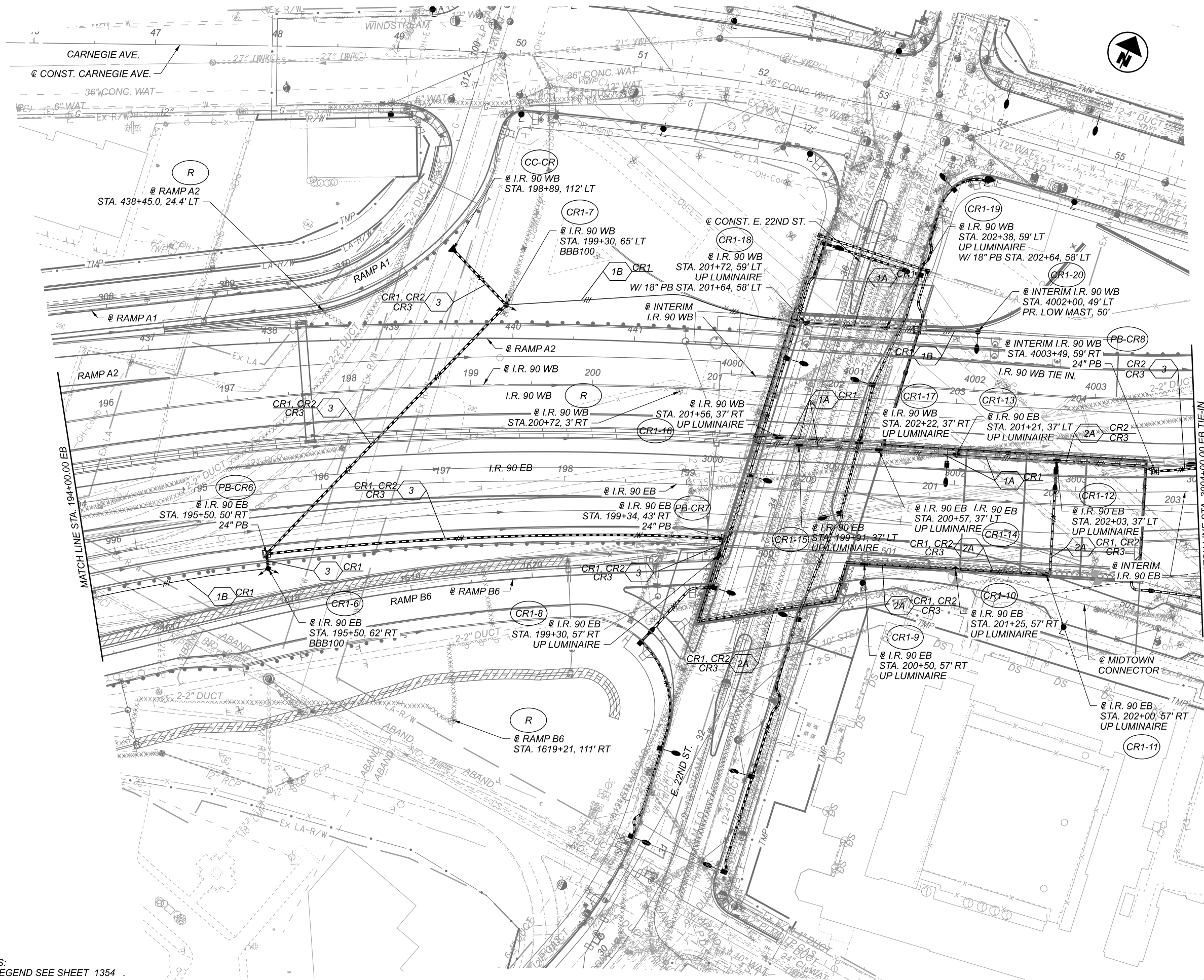
DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
1356 2339

NOTES:
1. FOR LEGEND SEE SHEET 1354



ODOT LIGHTING PLAN - I.R. 90 EB/I.R. 90 EB TIE-IN
STA. 194+00.00 TO STA. 3004+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

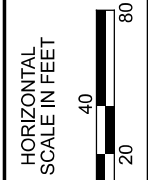
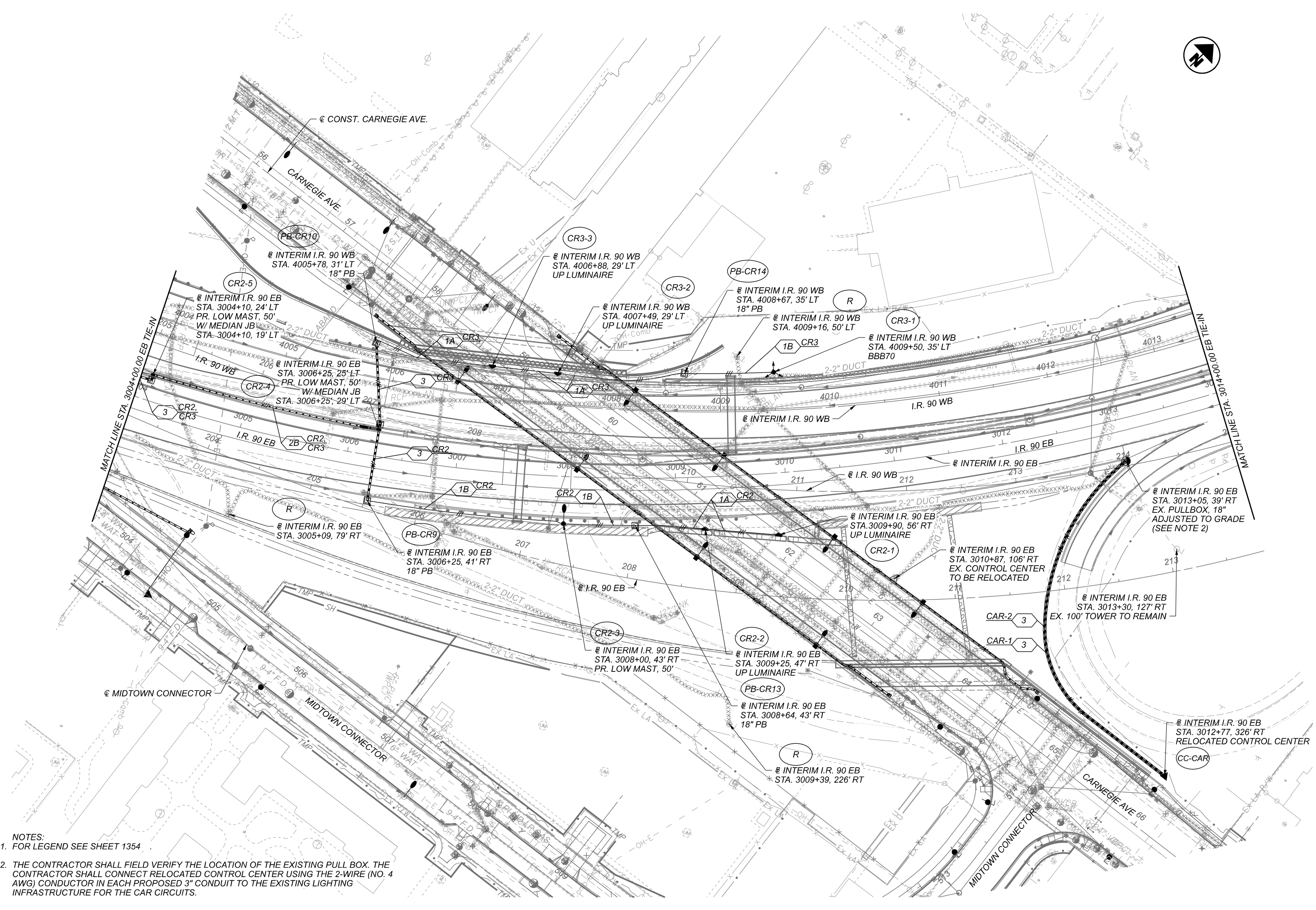
PROJECT ID

82382

SHEET TOTAL

1357 2339

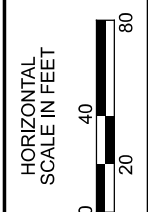
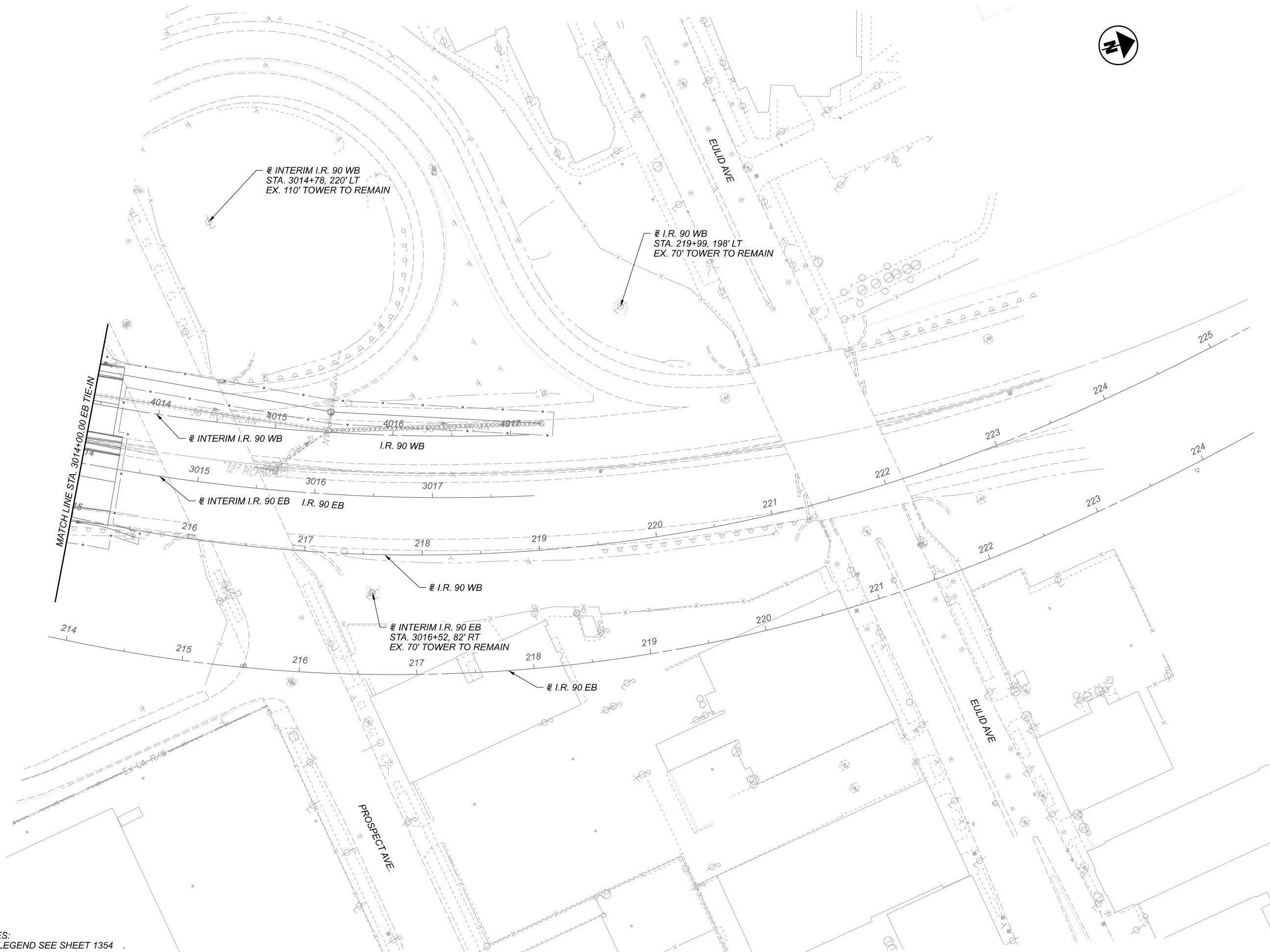
- NOTES:
- FOR LEGEND SEE SHEET 1354
 - THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING PULL BOX. THE CONTRACTOR SHALL CONNECT RELOCATED CONTROL CENTER USING THE 2-WIRE (NO. 4 AWG) CONDUCTOR IN EACH PROPOSED 3" CONDUIT TO THE EXISTING LIGHTING INFRASTRUCTURE FOR THE CAR CIRCUITS.



ODOT LIGHTING PLAN - I.R. 90 EB TIE-IN
 STA. 3004+00.00 TO STA. 3014+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1358 2339

NOTES:
 1. FOR LEGEND SEE SHEET 1354



ODOT LIGHTING PLAN - I.R. 90 EB TIE-IN
 STA. 3014+00.00 TO END

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

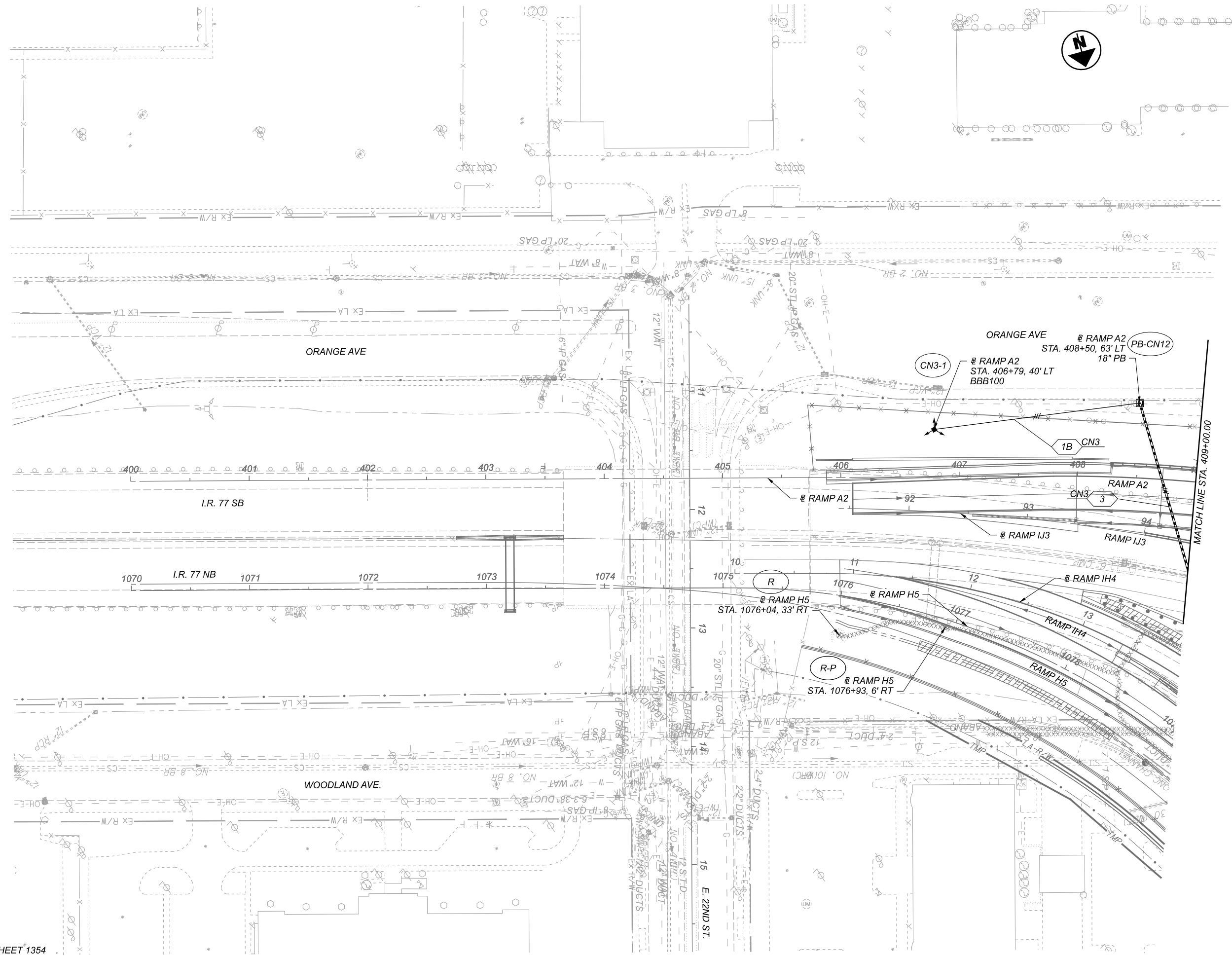
DESIGNER

REVIEWER

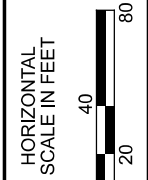
PROJECT ID
 82382

SHEET	TOTAL
1359	2339

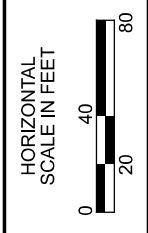
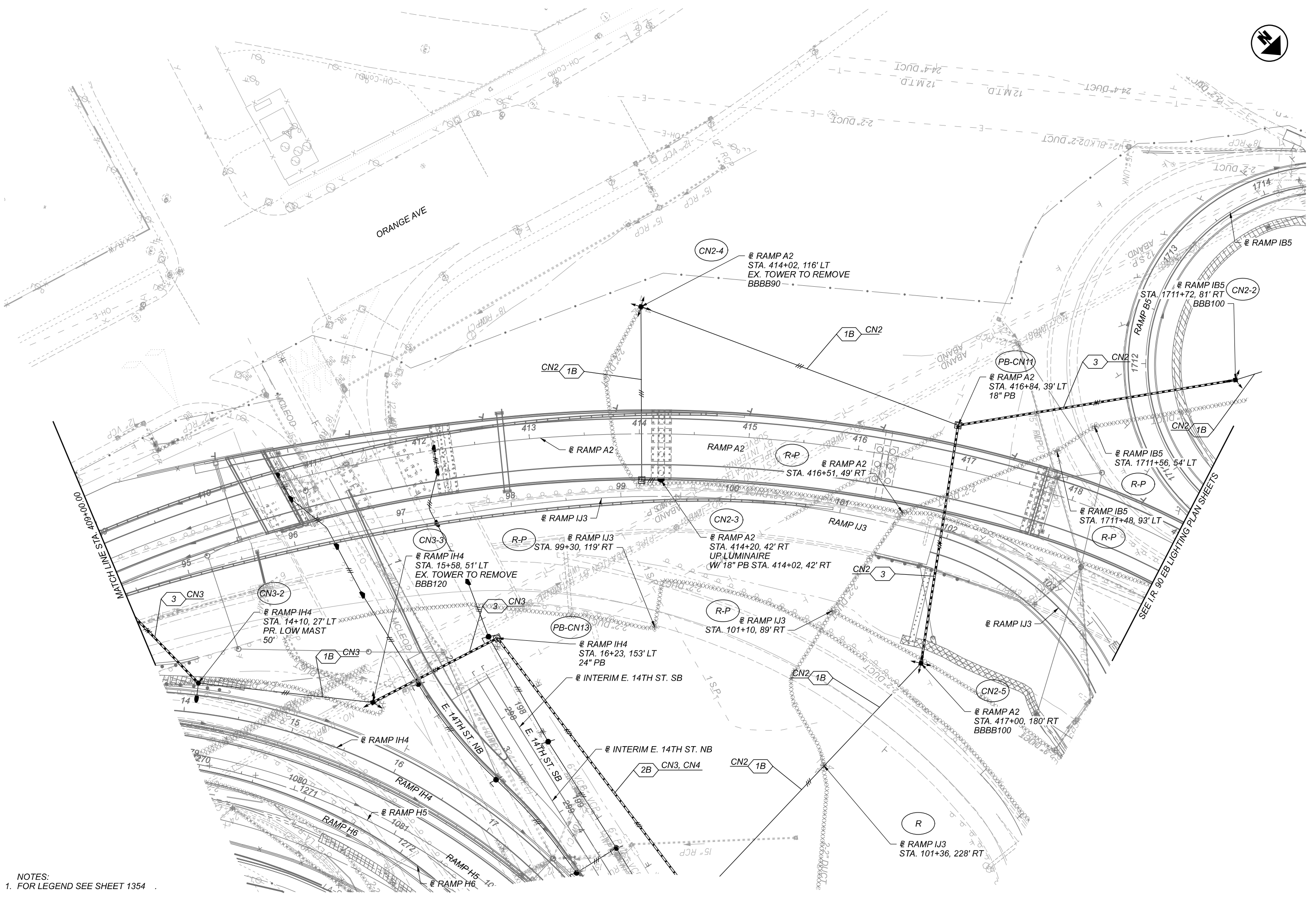
NOTES:
 1. FOR LEGEND SEE SHEET 1354



ODOT LIGHTING PLAN - RAMP A2
 BEGIN TO STA. 409+00.00



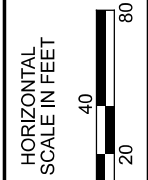
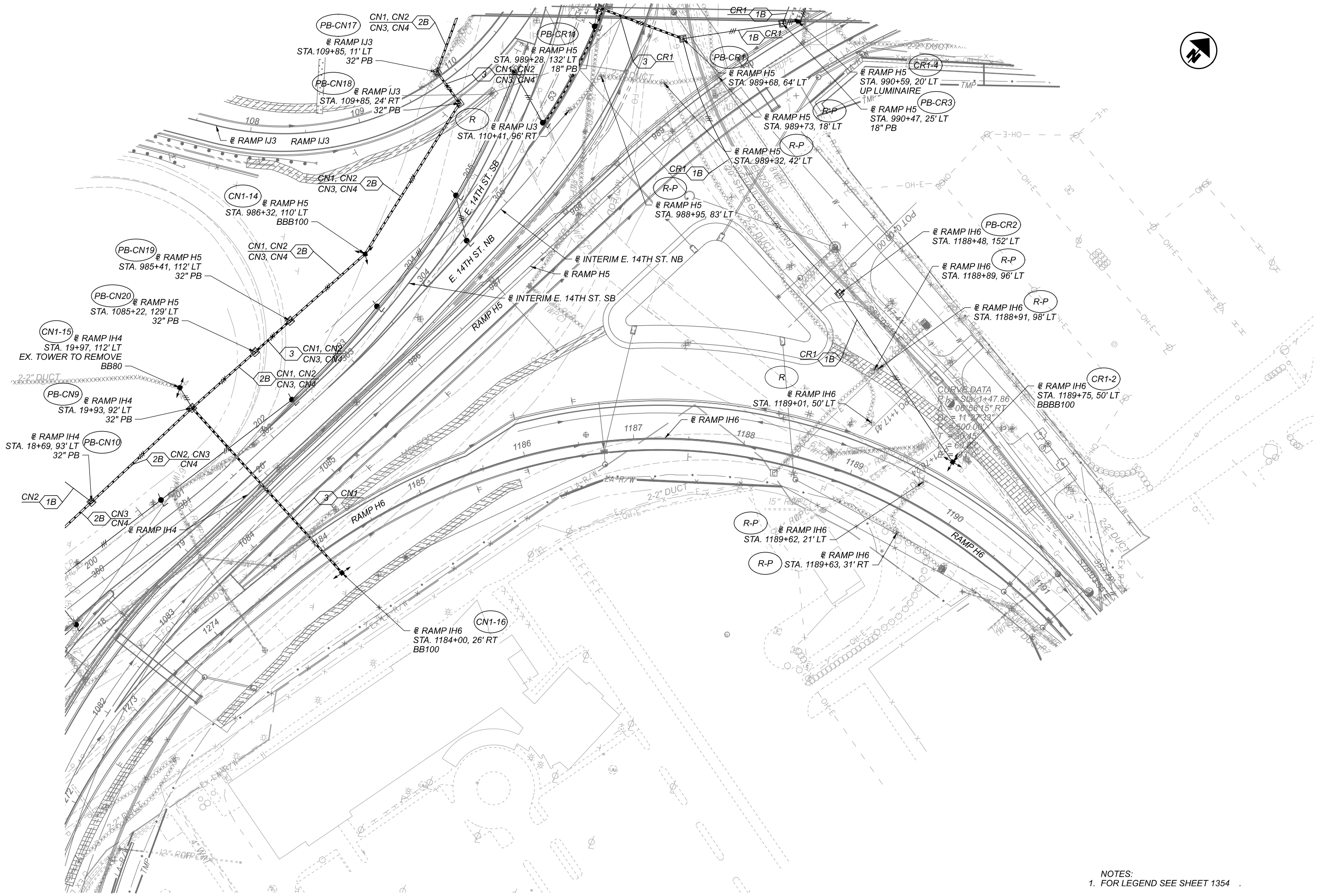
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	
82382	
SHEET	TOTAL
1360	2339



ODOT LIGHTING PLAN - RAMP A2
 STA. 409+00.00 TO END

- NOTES:
 1. FOR LEGEND SEE SHEET 1354
 2. CIRCUIT CN4 BEING INSTALLED FOR FUTURE CCG3B.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1361 2339

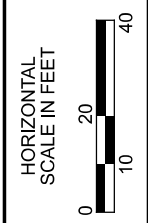
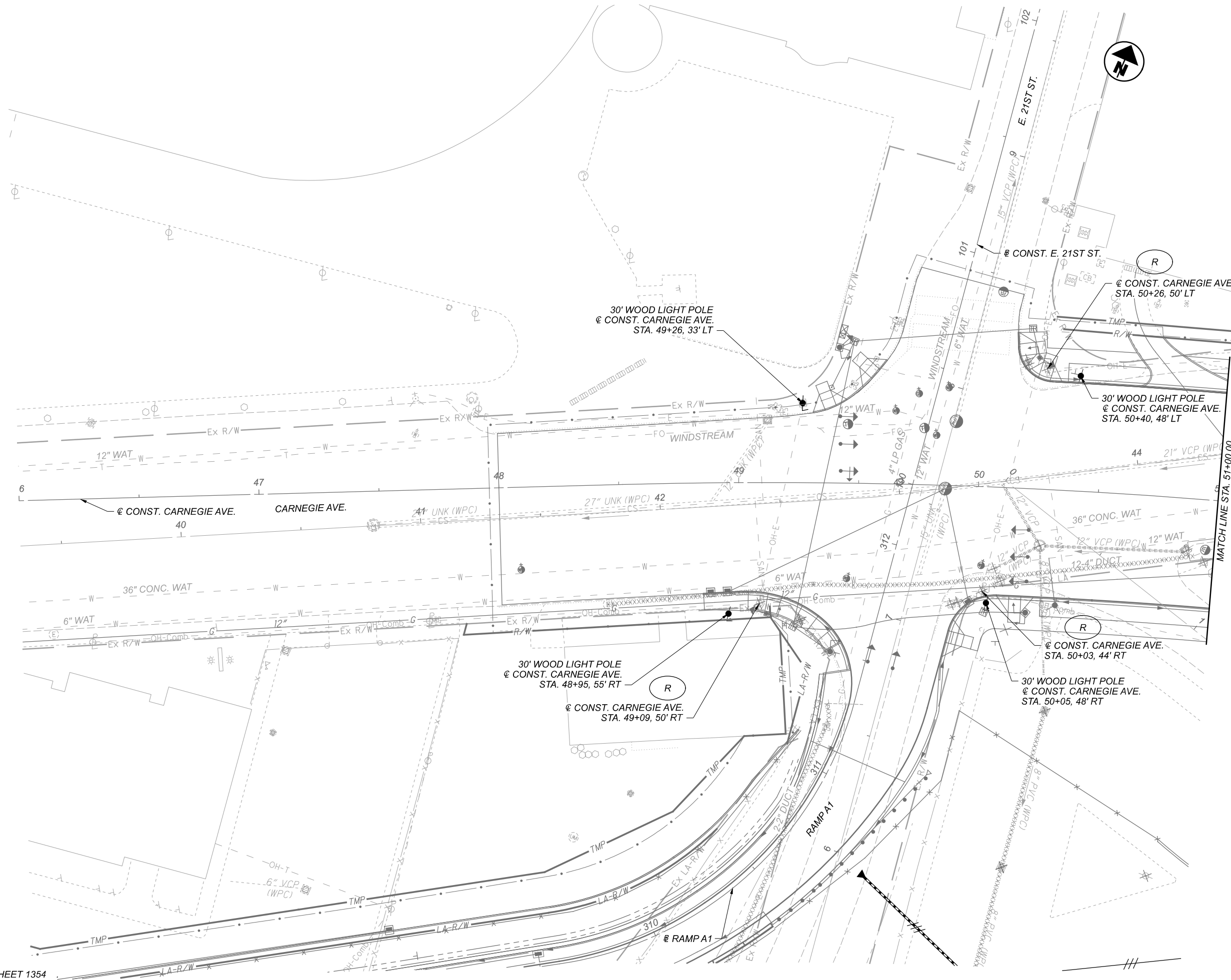


ODOT LIGHTING PLAN - RAMP H6
BEGIN TO END

- NOTES:
 1. FOR LEGEND SEE SHEET 1354
 2. CIRCUIT CN4 BEING INSTALLED FOR FUTURE CCG3B.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1362 2339

NOTES:
 1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - CARNEGIE AVE.
 BEGIN TO STA. 51+00.00

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

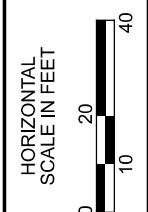
DESIGNER

REVIEWER

PROJECT ID
 82382

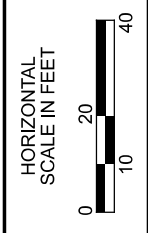
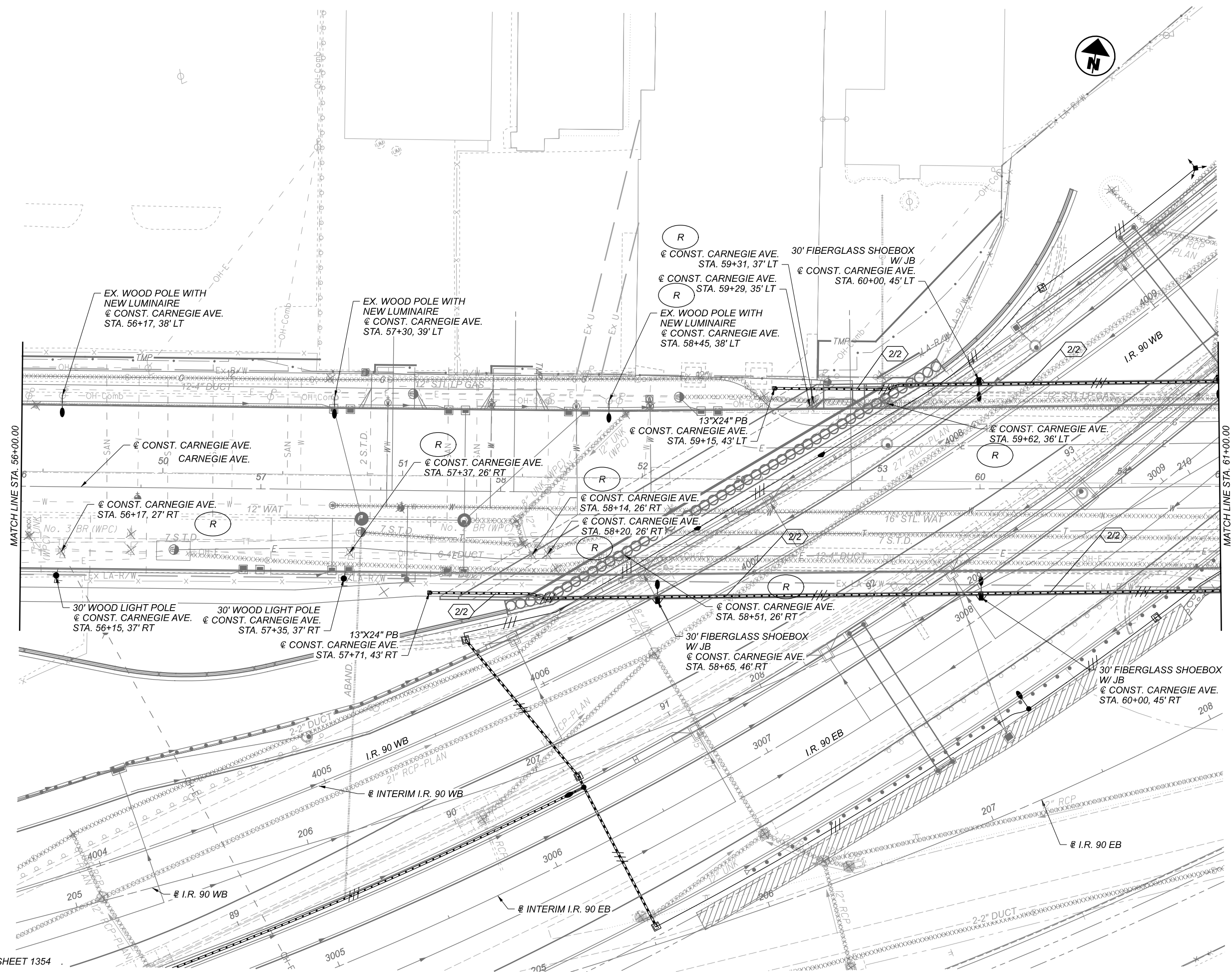
SHEET	TOTAL
1363	2339

NOTES:
1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - CARNEGIE AVE.
STA. 51+00.00 TO STA. 56+00.00

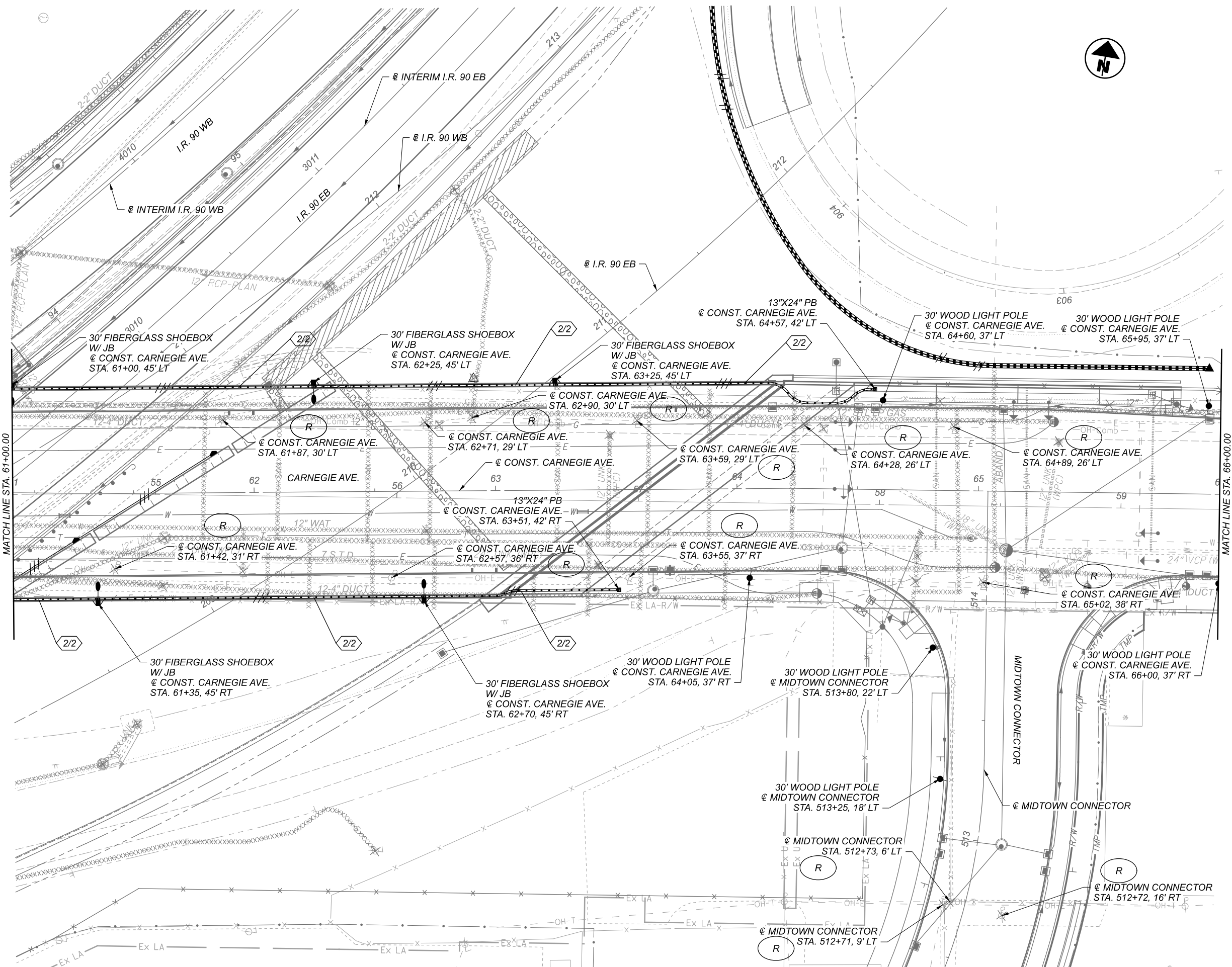
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1364 2339



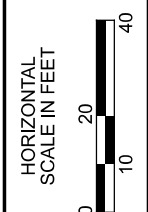
NOTES:
 1. FOR LEGEND SEE SHEET 1354

CPP LIGHTING PLAN - CARNEGIE AVE.
 STA. 56+00.00 TO STA. 61+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET TOTAL	1365 2339



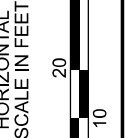
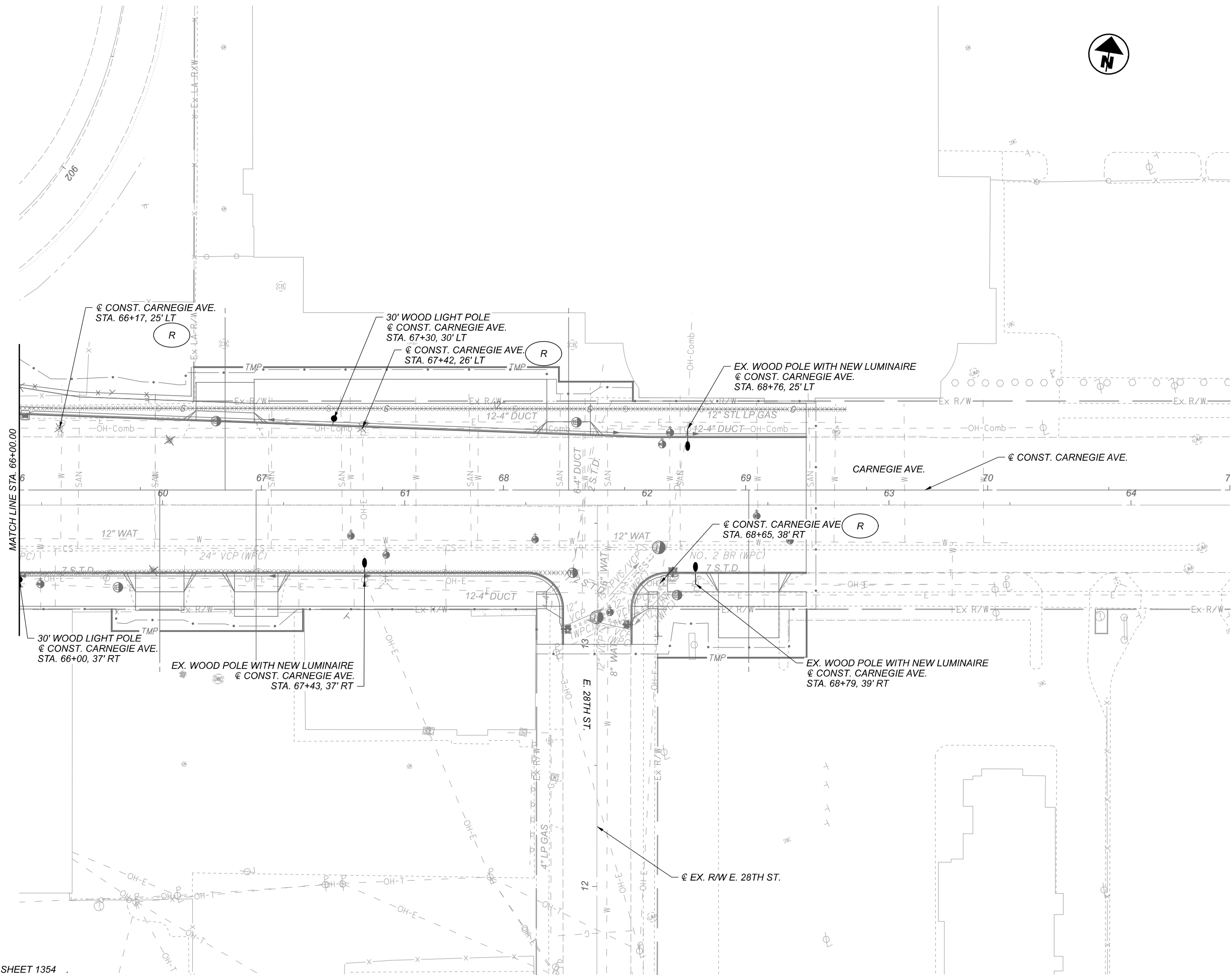
NOTES:
 1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - CARNEGIE AVE.
 STA. 61+00.00 TO STA. 66+00.00

DESIGN AGENCY	Michael Baker International
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET TOTAL	1366 2339

NOTES:
 1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - CARNEGIE AVE.
 STA. 66+00.00 TO END

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER

REVIEWER

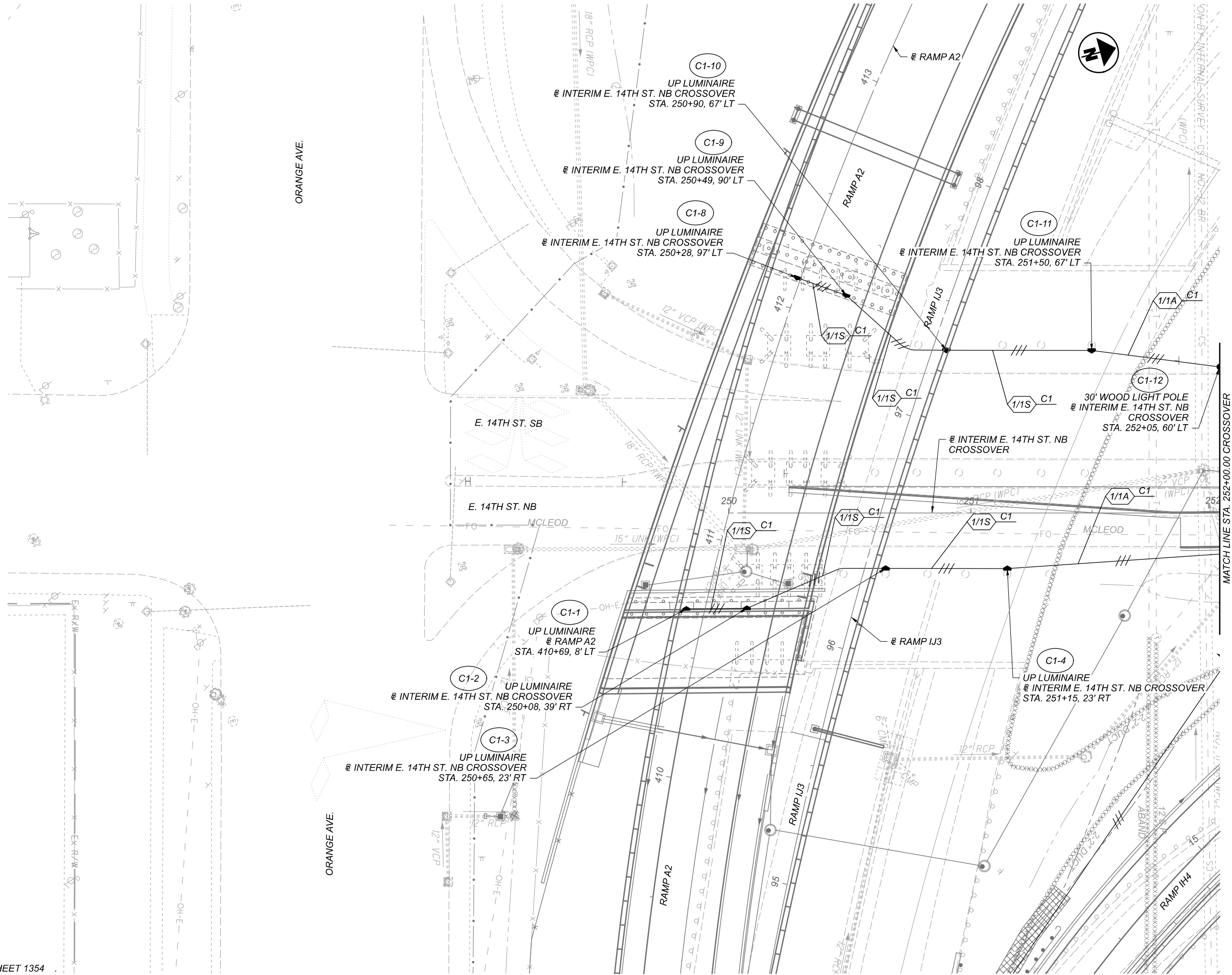
PROJECT ID

82382

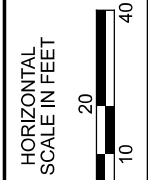
SHEET TOTAL

1367 2339

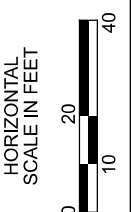
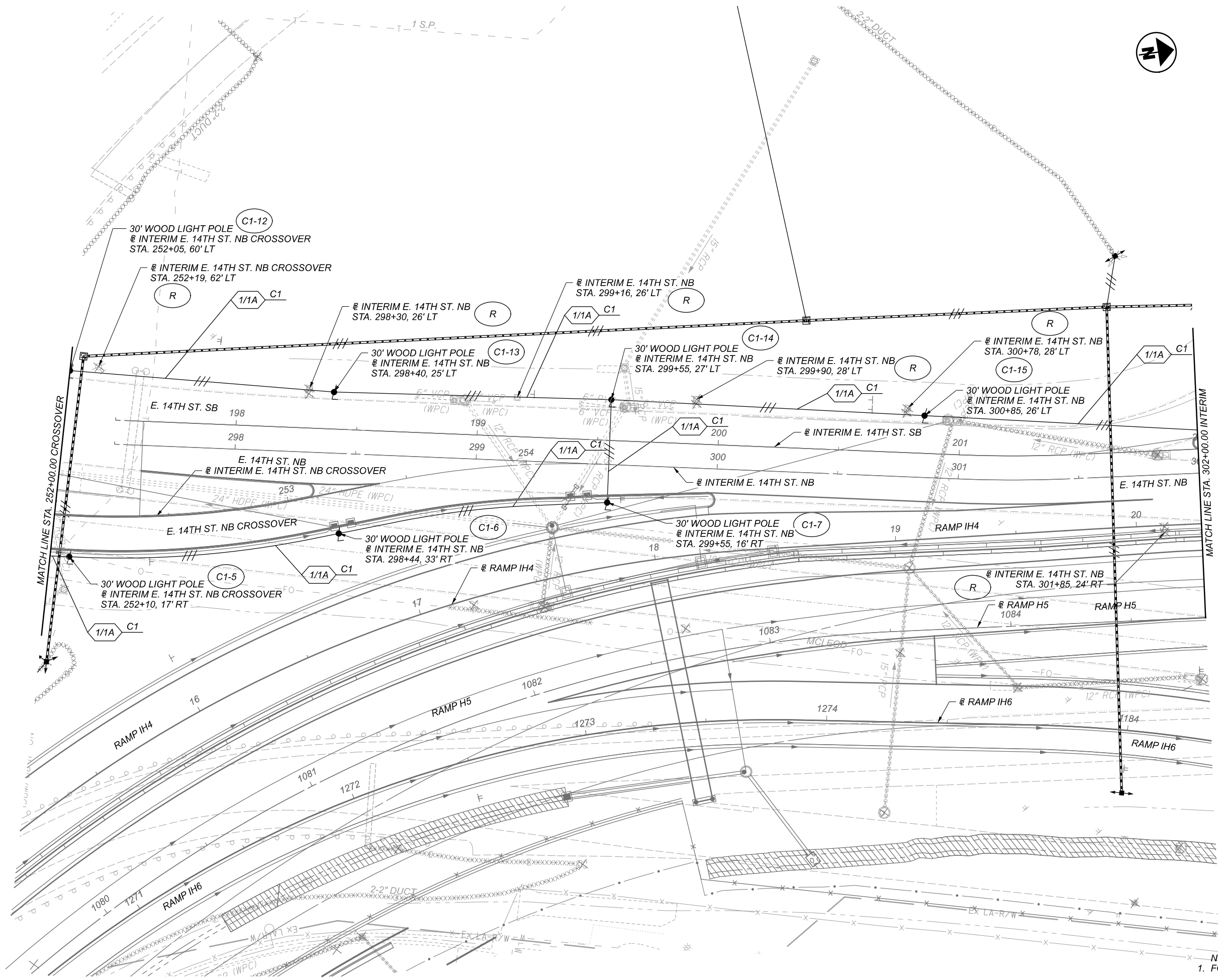
NOTES:
 1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - E. 14TH ST. NB CROSSOVER
 BEGIN TO STA. 252+00.00



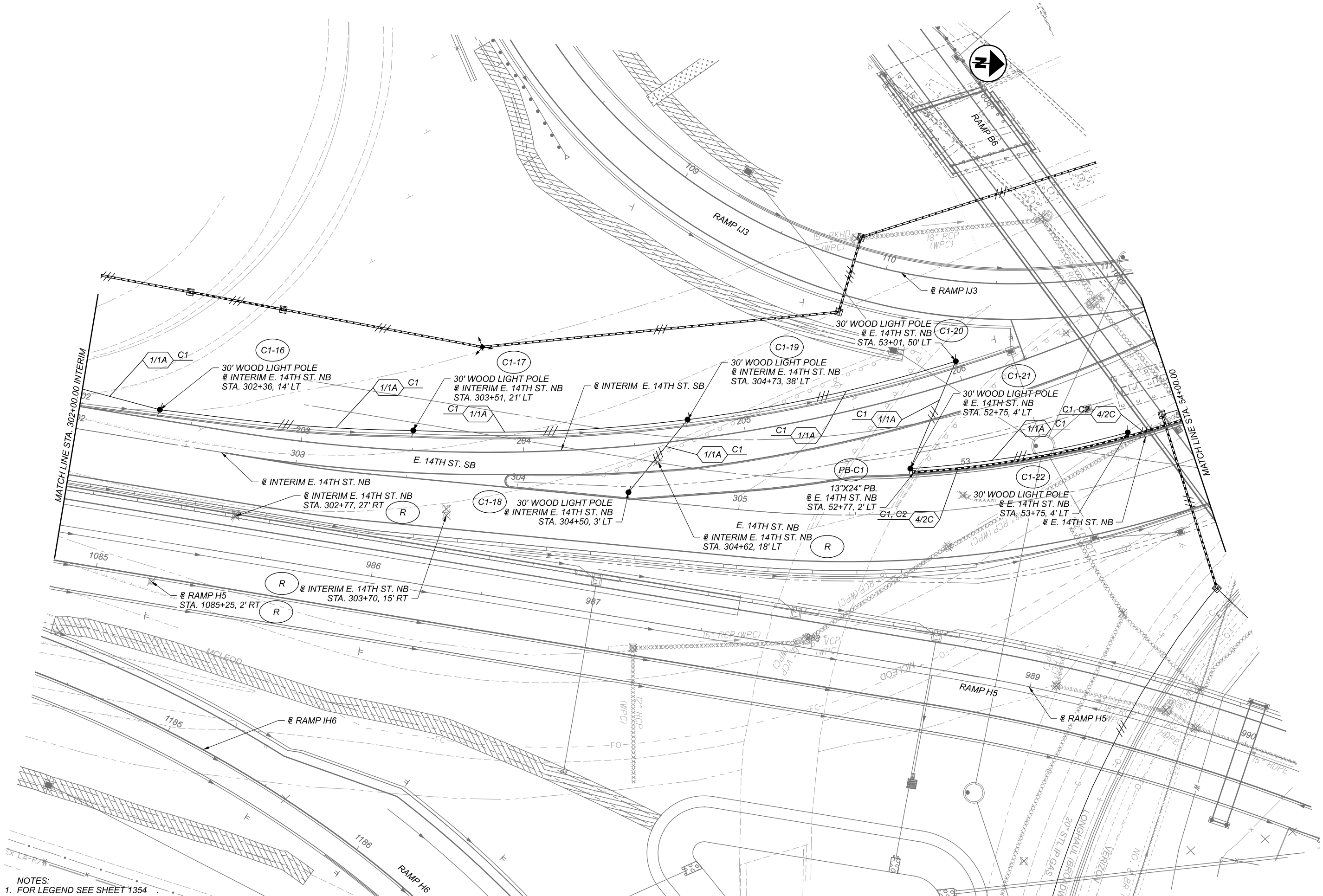
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1368 2339



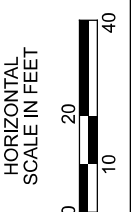
CPP LIGHTING PLAN - E. 14TH ST. NB CROSSOVER/INTERIM E. 14TH ST. NB
STA. 252+00.00 TO STA. 302+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET TOTAL	1369 2339

NOTES:
1. FOR LEGEND SEE SHEET 1354

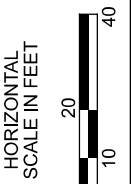
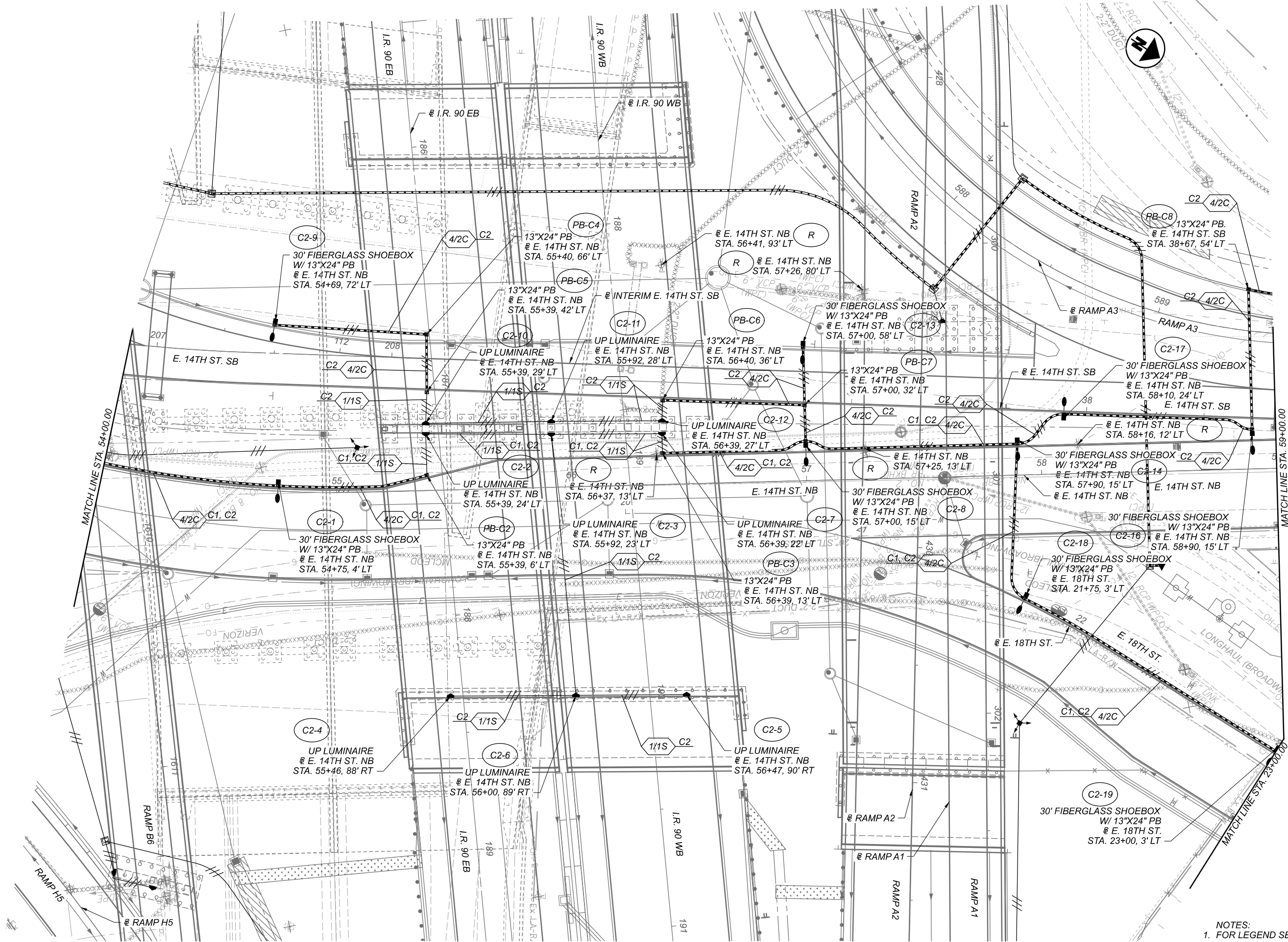


NOTES:
1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - INTERIM E. 14TH ST. NB/E. 14TH ST. NB
STA. 302+00.00 TO STA. 54+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1370 2339



CPP LIGHTING PLAN - E. 14TH ST. NB
STA. 54+00.00 TO STA. 59+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

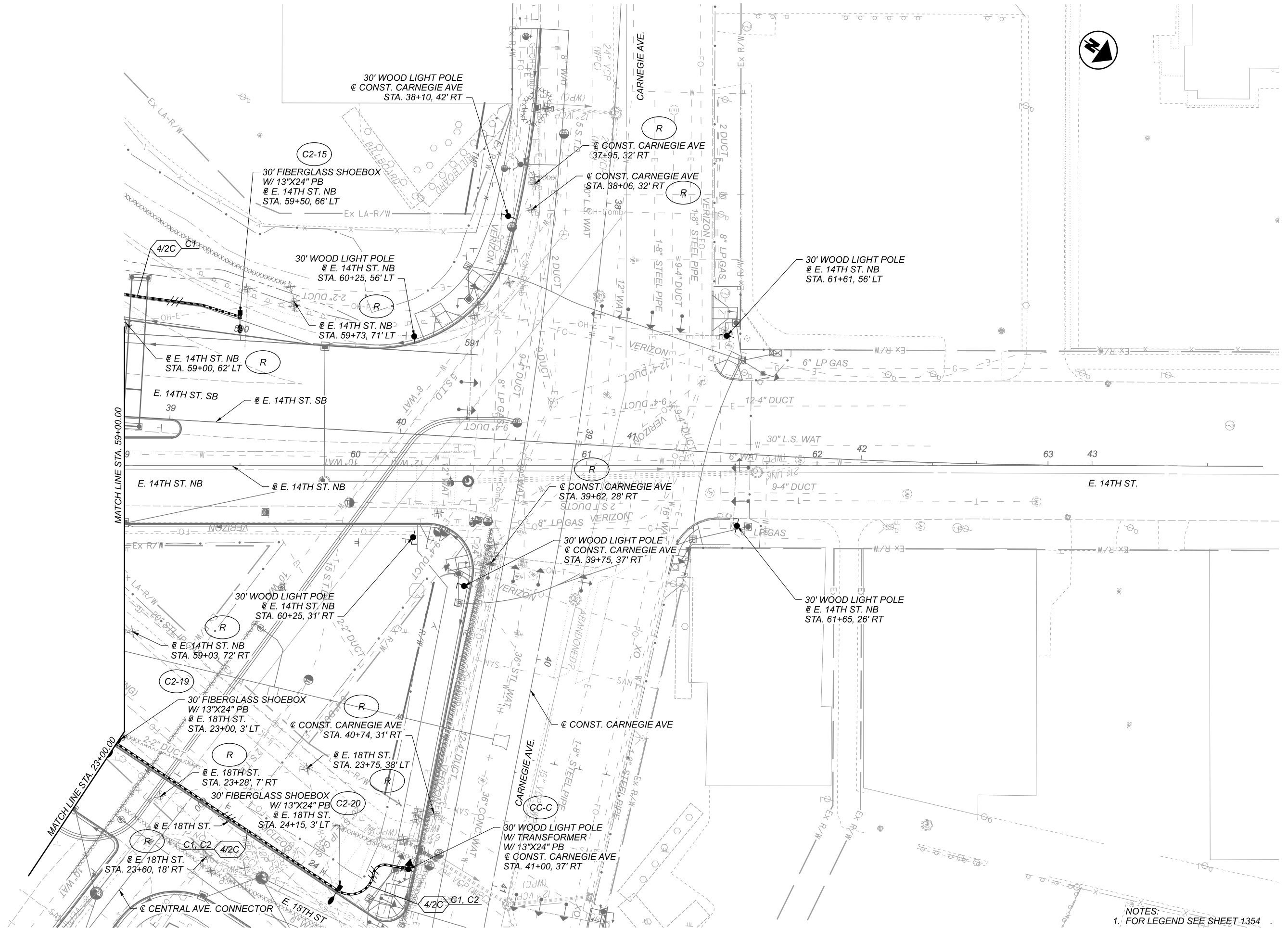
PROJECT ID

82382

SHEET TOTAL

1371 2339

NOTES:
1. FOR LEGEND SEE SHEET 1354



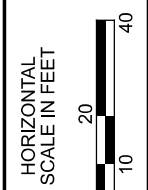
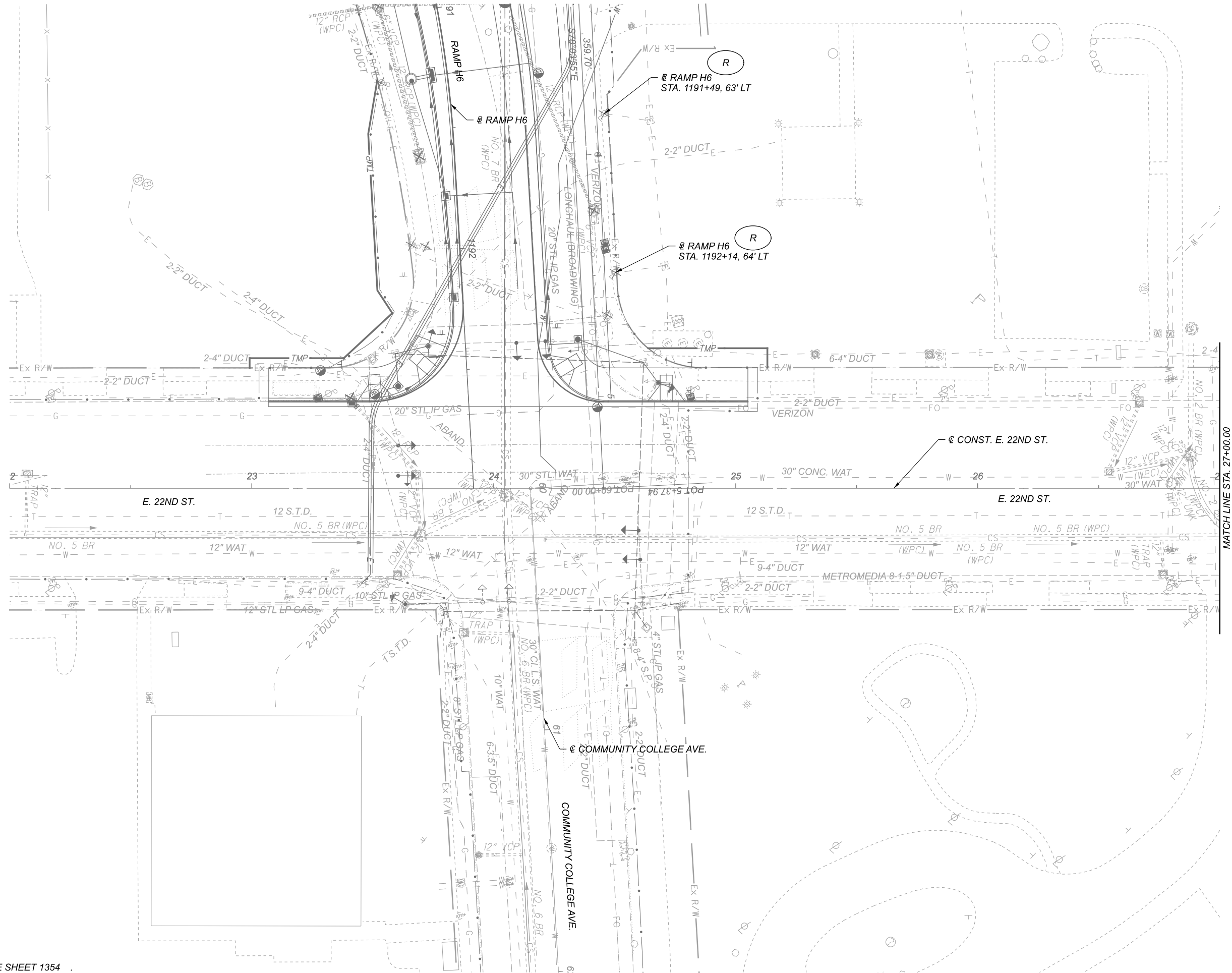
NOTES:
 1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - E. 14TH ST. NB
 STA. 59+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1372 2339

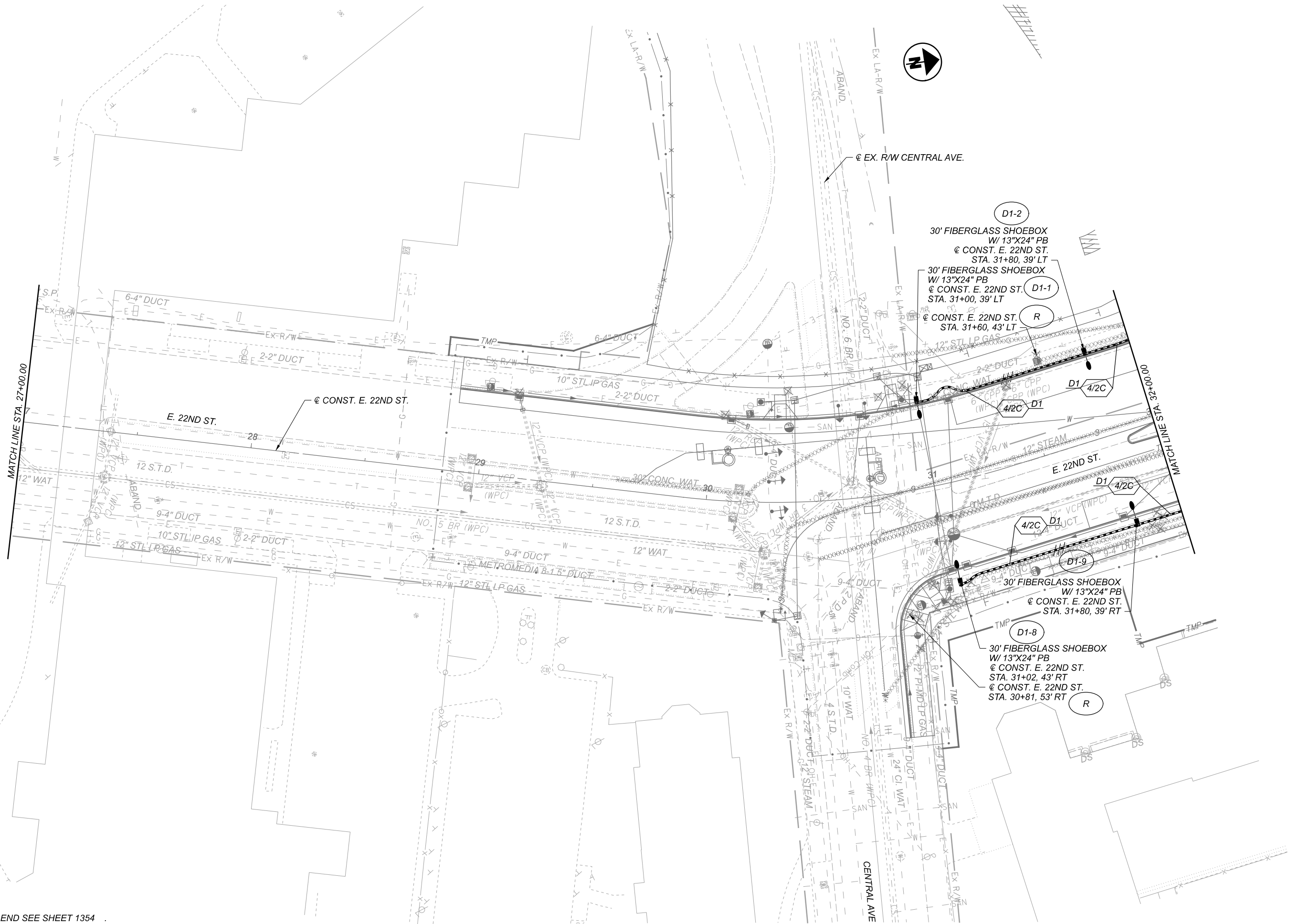
NOTES:
 1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - E. 22ND ST.
 BEGIN TO STA. 27+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1373 2339

NOTES:
 1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - E. 22ND ST.
 STA. 27+00.00 TO STA. 32+00.00



DESIGN AGENCY

Michael Baker
 INTERNATIONAL

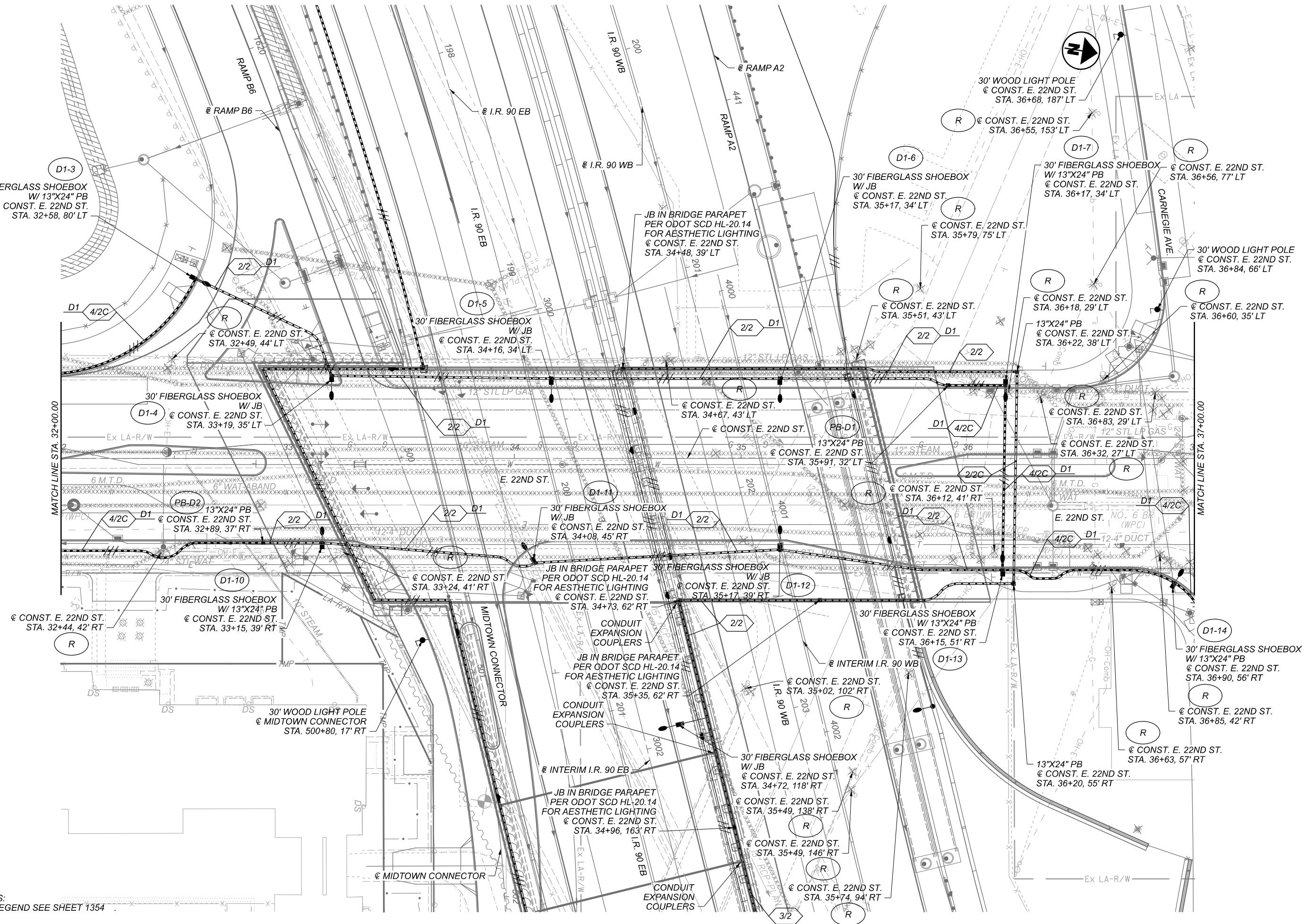
DESIGNER

REVIEWER

PROJECT ID
 82382

SHEET	TOTAL
1374	2339

NOTES:
1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - E. 22ND ST.
STA. 32+00.00 TO STA. 37+00.00

DESIGN AGENCY

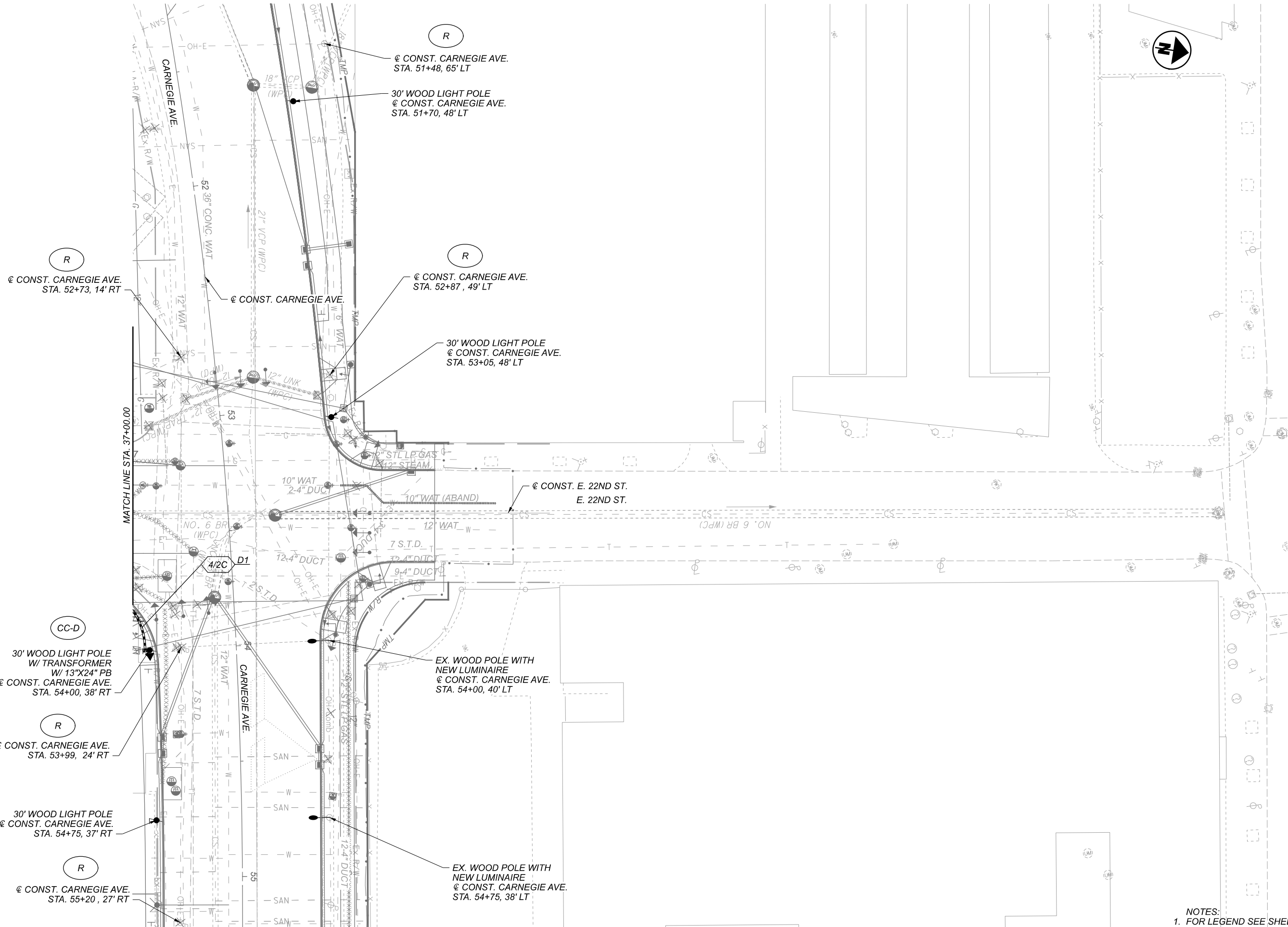
Michael Baker INTERNATIONAL

DESIGNER

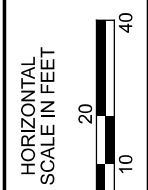
REVIEWER

PROJECT ID
82382

SHEET	TOTAL
1375	2339

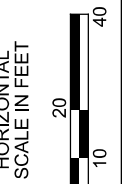
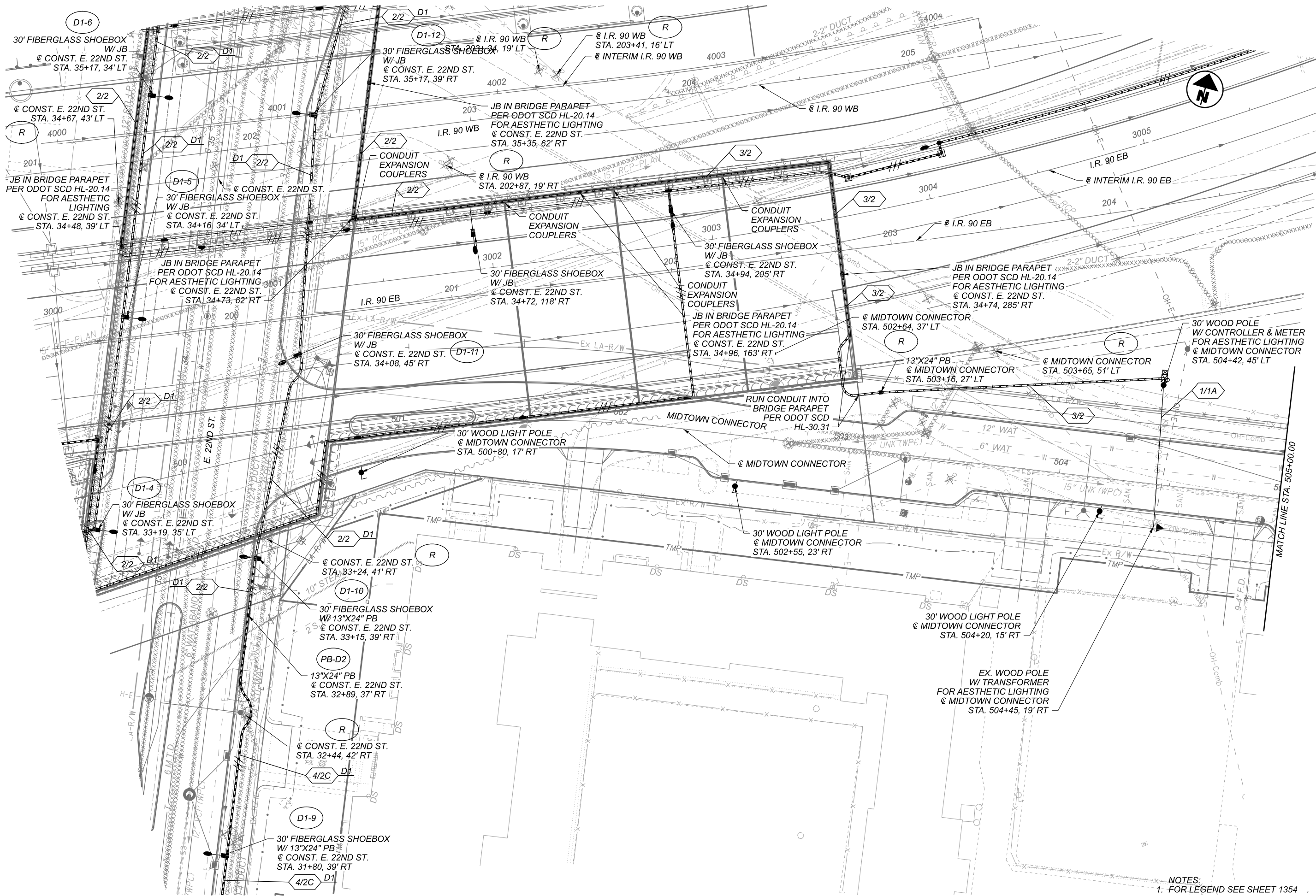


NOTES:
 1. FOR LEGEND SEE SHEET 1354



CPP LIGHTING PLAN - E. 22ND ST.
 STA. 37+00.00 TO END

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1376 2339

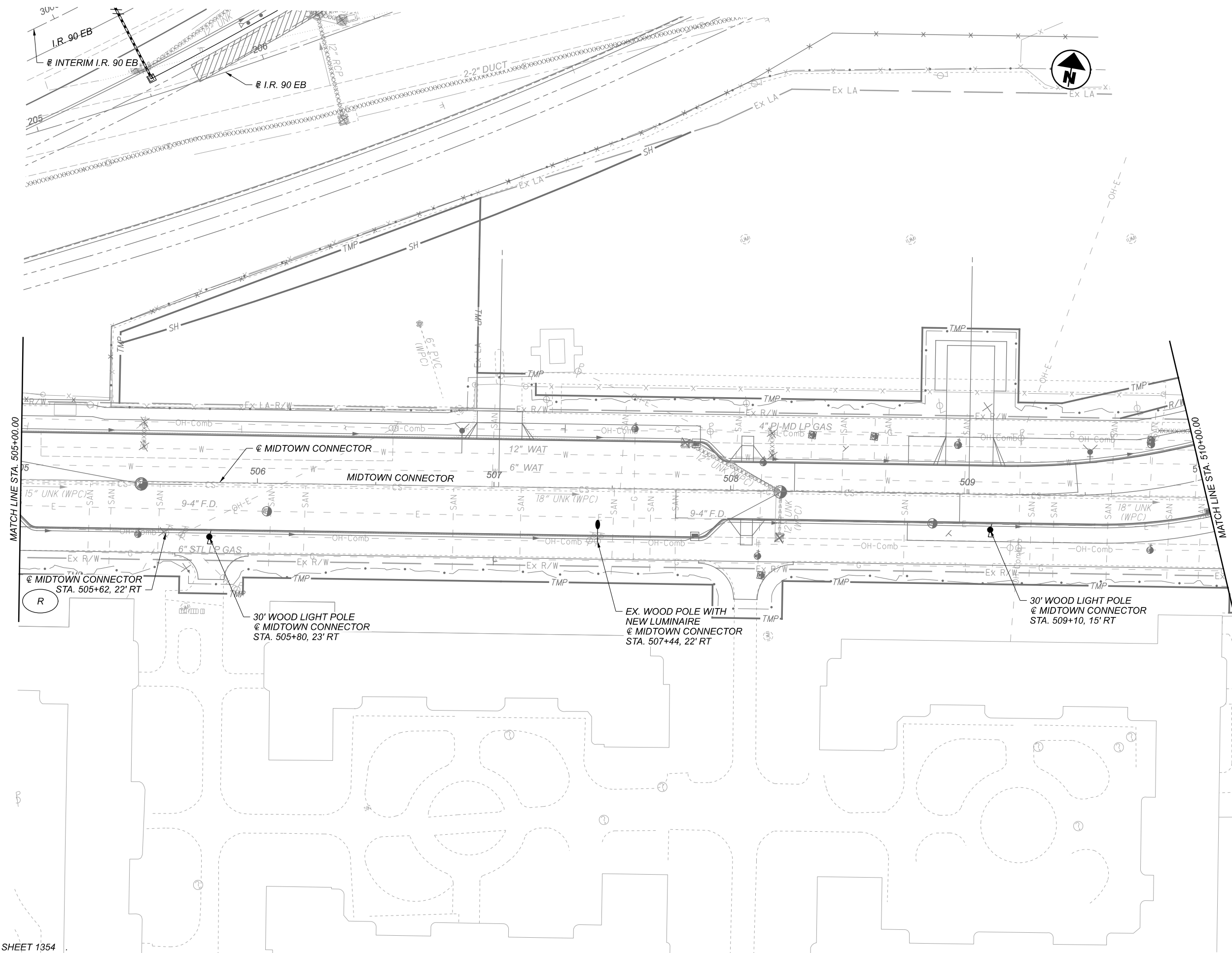


CPP LIGHTING PLAN - MIDTOWN CONNECTOR
BEGIN TO STA. 505+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1377 2339

NOTES:
 1. FOR LEGEND SEE SHEET 1354

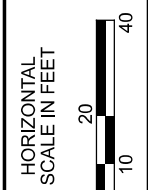
NOTES:
 1. FOR LEGEND SEE SHEET 1354



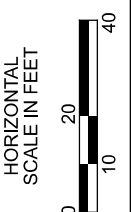
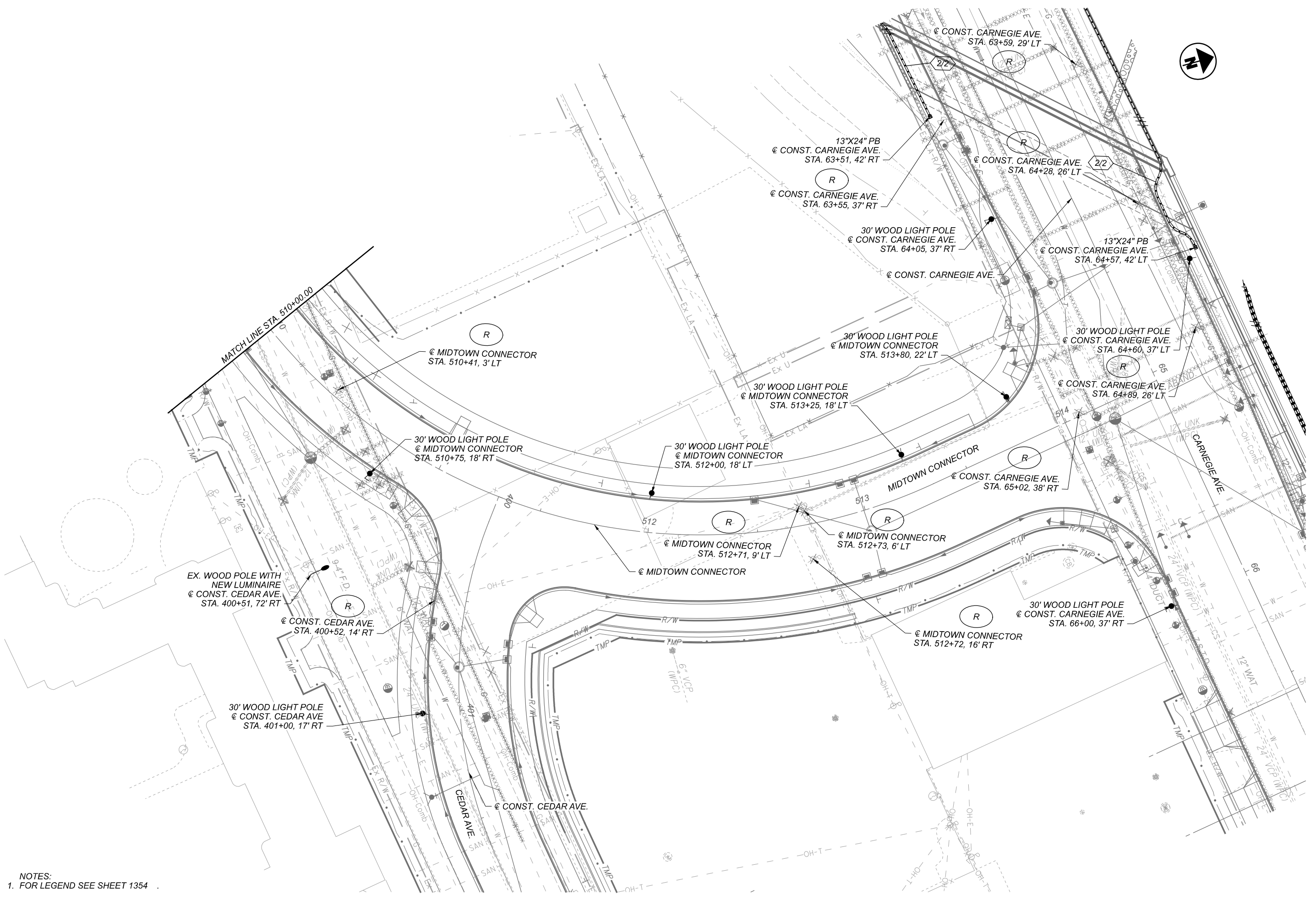
MATCH LINE STA. 505+00.00

MATCH LINE STA. 510+00.00

CPP LIGHTING PLAN - MIDTOWN CONNECTOR
 STA. 505+00.00 TO STA. 510+00.00



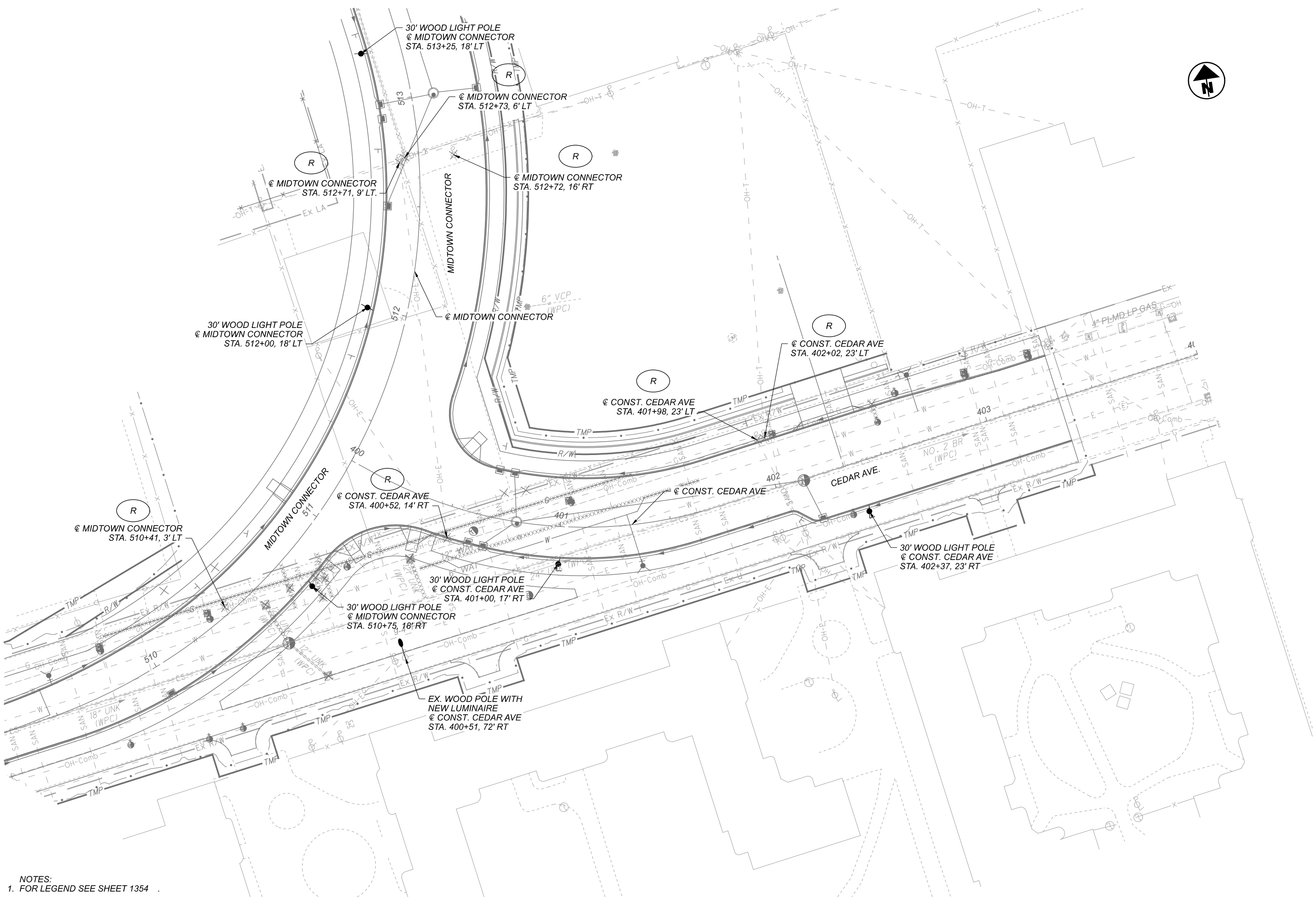
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1378 2339



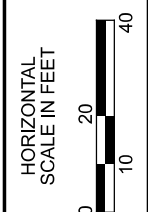
NOTES:
 1. FOR LEGEND SEE SHEET 1354

CPP LIGHTING PLAN - MIDTOWN CONNECTOR
 STA. 510+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1379 2339



NOTES:
 1. FOR LEGEND SEE SHEET 1354



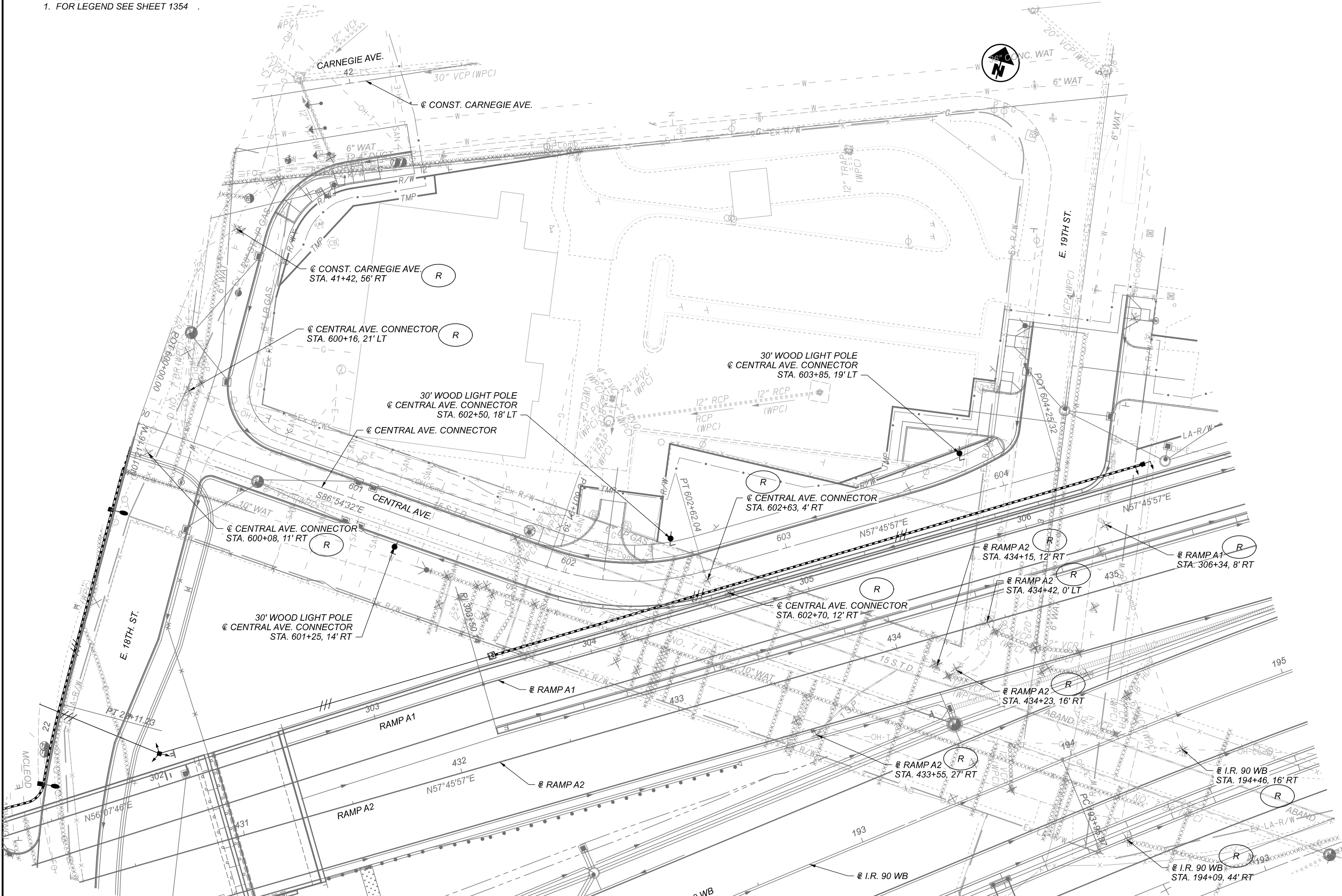
CPP LIGHTING PLAN - CEDAR AVE.
 BEGIN TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1380 2339

NOTES:
1. FOR LEGEND SEE SHEET 1354

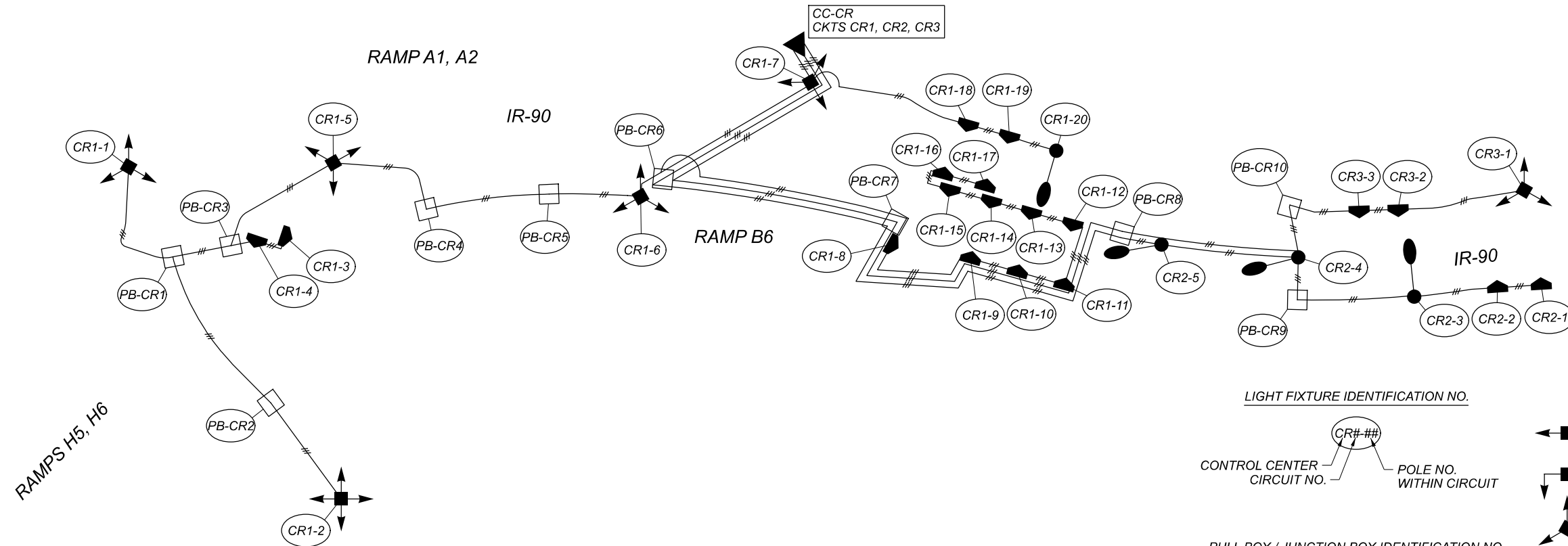
CUY-90-16.28 (CCG3A)

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CPP LIGHTING PLAN - CENTRAL AVE. CONNECTOR
BEGIN TO END

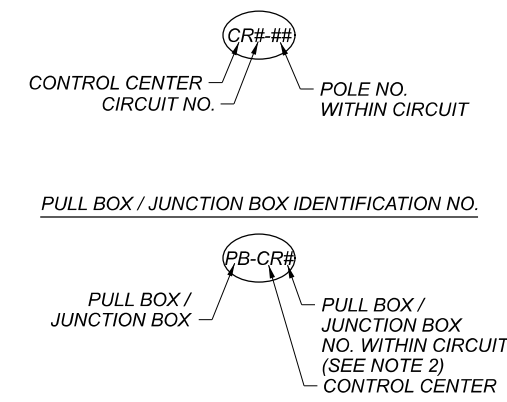
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1381 2339



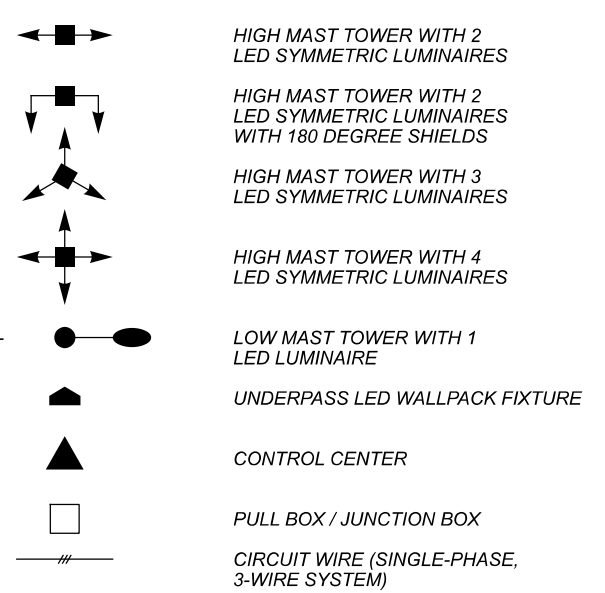
HORIZONTAL SCALE IN FEET
 0 NTS

CIRCUIT SCHEMATIC & CONTROL CENTER DATA - CONTROL CENTER CR

LIGHT FIXTURE IDENTIFICATION NO.



LEGEND:



CONTROL CENTER DATA									
CONTROL CENTER	LINE VOLTAGE (VOLTS)	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CABLE (AWG)	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD (AMPS)	CIRCUIT FUSE SIZE (AMPS)	CIRCUIT CABLE SIZE (AWG)	MAINTAINING AGENCY
CR	240V / 480V (SINGLE PHASE, 3-WIRE)	13.92	4	60	1	21.57	30	4	ODOT
					2	3.72	20	4	
					3	3.72	20	4	

NOTES:

- "CIRCUIT CABLE SIZE" REFERS TO THE WIRE AWG COMING OUT OF THE CONTROL CENTER FOR EACH CIRCUIT.
- ONLY PULL BOXES / JUNCTION BOXES FOR BRANCH CIRCUITS AND JUNCTION BOXES BREAKING UP LONG CONDUIT RUNS ARE SHOWN IN THE CIRCUIT SCHEMATIC.

DESIGN AGENCY

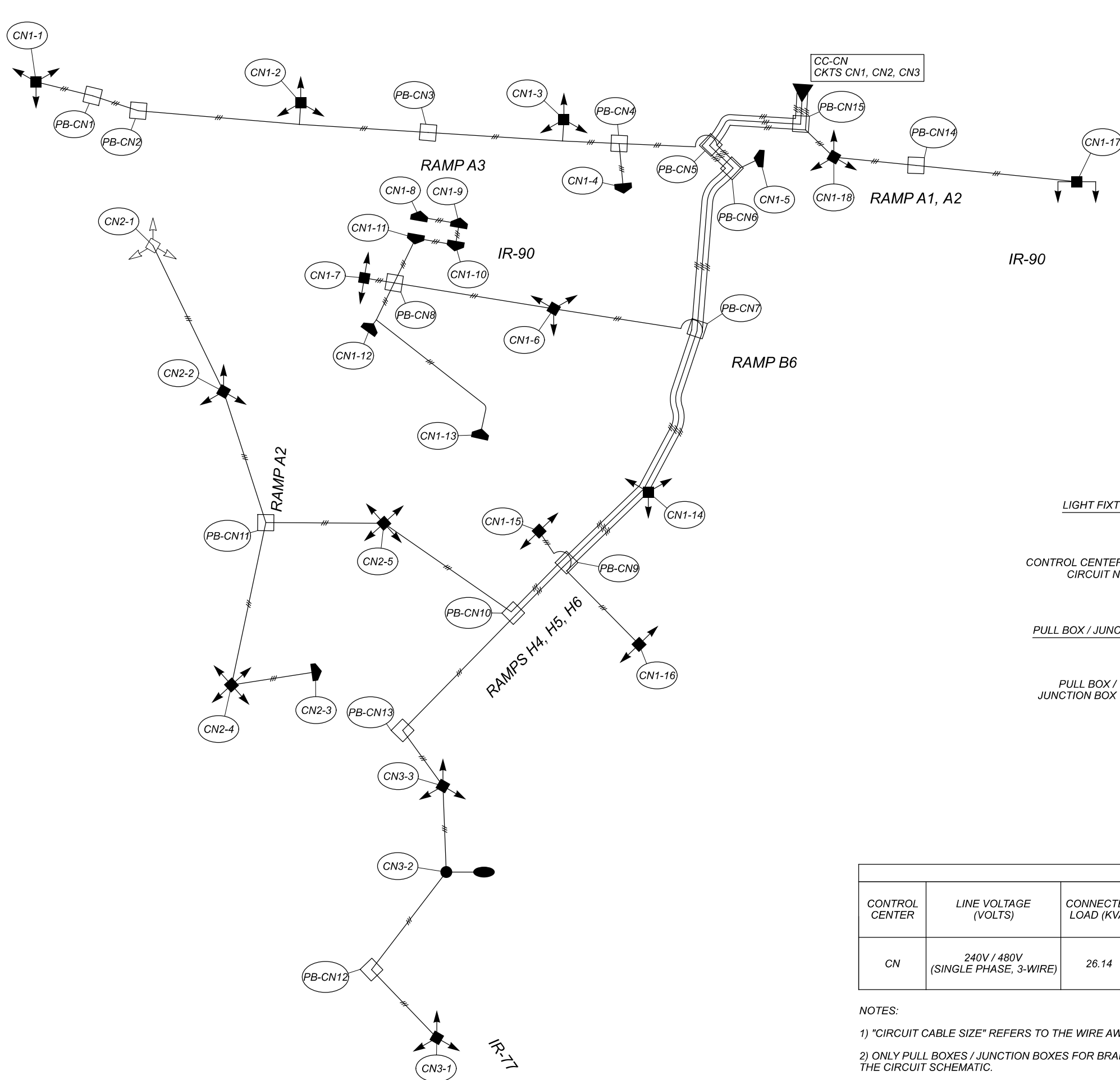
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
1382 | 2339



CIRCUIT SCHEMATIC & CONTROL CENTER DATA - CONTROL CENTER CN

LIGHT FIXTURE IDENTIFICATION NO.

CONTROL CENTER CIRCUIT NO. → **CN#-##** → POLE NO. WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

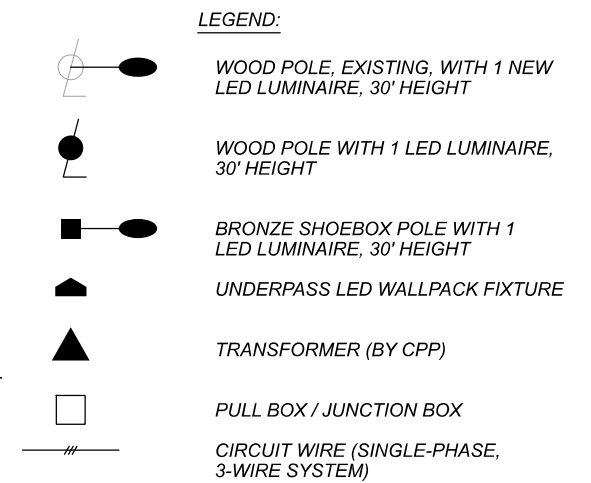
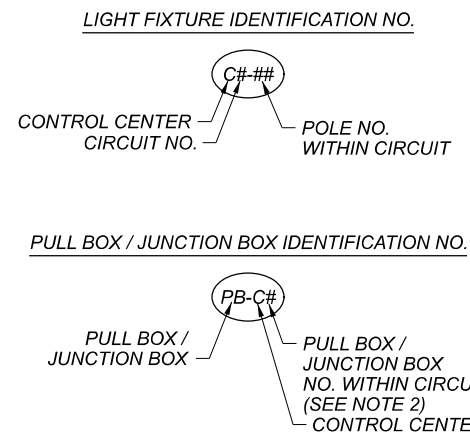
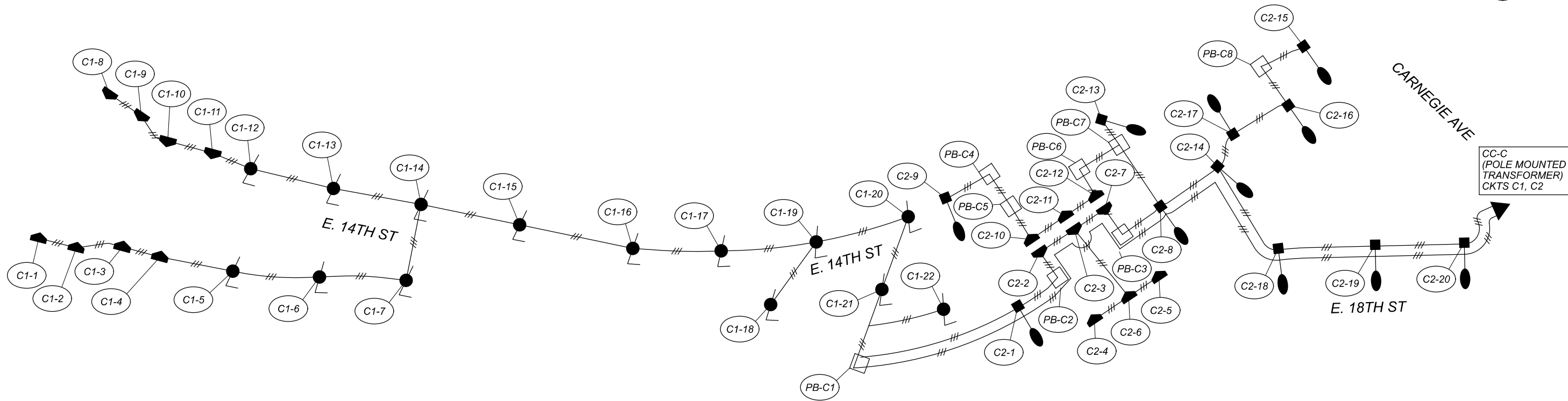
PULL BOX / JUNCTION BOX → **PB-CN#** → PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT (SEE NOTE 2) → CONTROL CENTER

LEGEND:

- HIGH MAST TOWER WITH 2 LED SYMMETRIC LUMINAIRES
- HIGH MAST TOWER WITH 2 LED SYMMETRIC LUMINAIRES WITH 180 DEGREE SHIELDS
- HIGH MAST TOWER WITH 3 LED SYMMETRIC LUMINAIRES
- HIGH MAST TOWER WITH 4 LED SYMMETRIC LUMINAIRES
- LOW MAST TOWER WITH 1 LED LUMINAIRE
- UNDERPASS LED WALLPACK FIXTURE
- CONTROL CENTER
- PULL BOX / JUNCTION BOX
- CIRCUIT WIRE (SINGLE-PHASE, 3-WIRE SYSTEM)

CONTROL CENTER DATA									
CONTROL CENTER	LINE VOLTAGE (VOLTS)	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CABLE (AWG)	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD (AMPS)	CIRCUIT FUSE SIZE (AMPS)	CIRCUIT CABLE SIZE (AWG)	MAINTAINING AGENCY
CN	240V / 480V (SINGLE PHASE, 3-WIRE)	26.14	4	100	1	30.65	40	4	ODOT
					2	15.92	20	4	
					3	7.88	20	4	

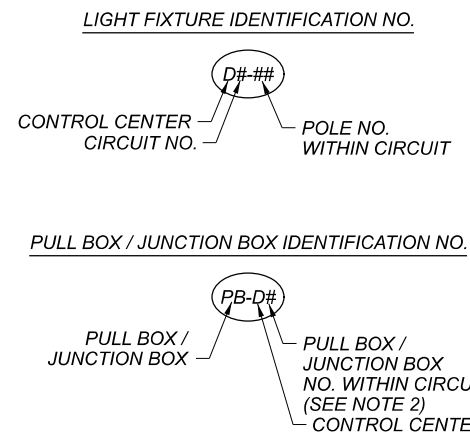
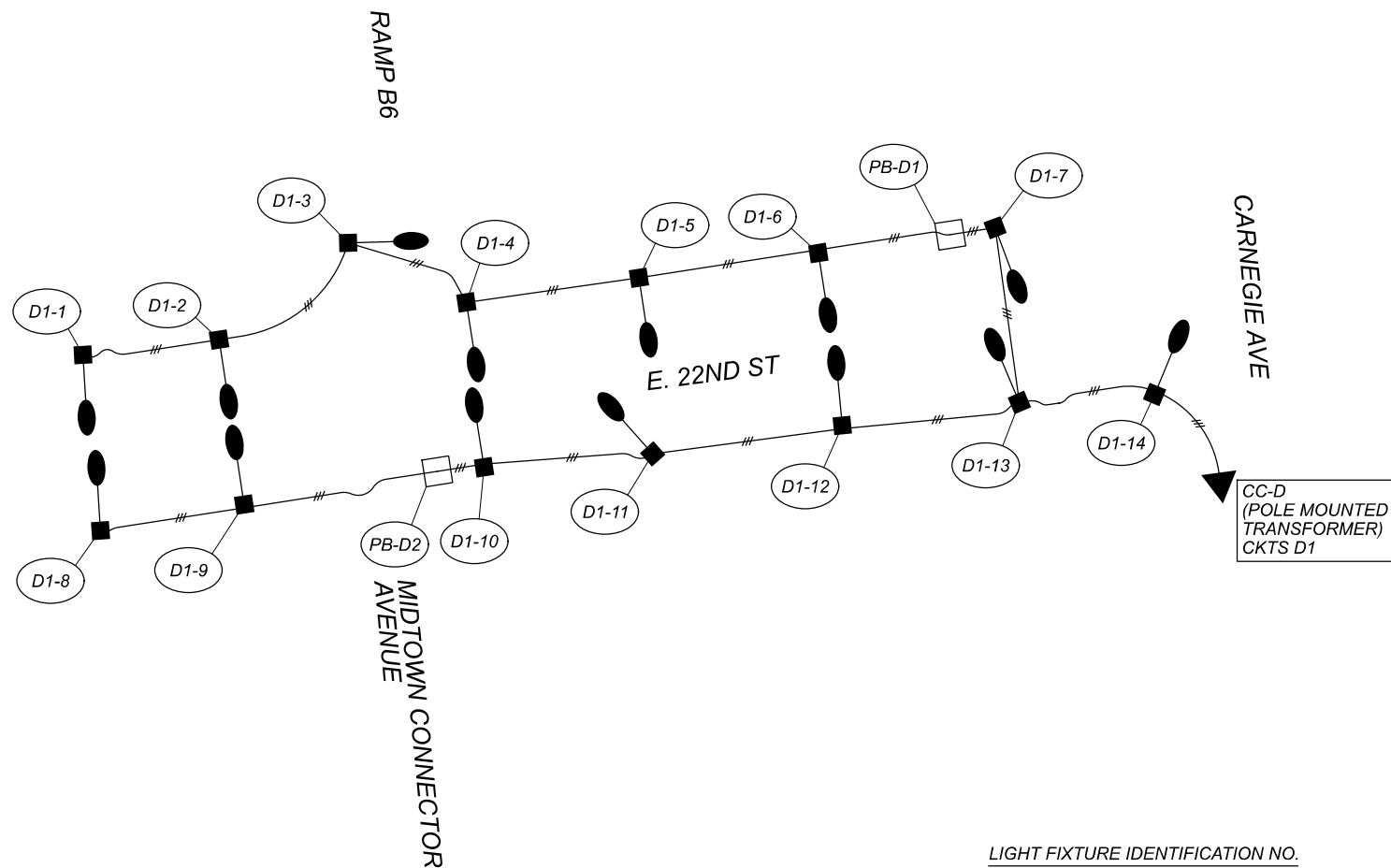
- NOTES:**
- "CIRCUIT CABLE SIZE" REFERS TO THE WIRE AWG COMING OUT OF THE CONTROL CENTER FOR EACH CIRCUIT.
 - ONLY PULL BOXES / JUNCTION BOXES FOR BRANCH CIRCUITS AND JUNCTION BOXES BREAKING UP LONG CONDUIT RUNS ARE SHOWN IN THE CIRCUIT SCHEMATIC.
 - CIRCUIT CN4 BEING INSTALLED FOR FUTURE CCG3B. SEE PLAN SHEETS FOR LOCATION.



POWER SERVICE DATA									
POWER SERVICE	LINE VOLTAGE (VOLTS)	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CABLE (AWG)	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD (AMPS)	CIRCUIT FUSE SIZE (AMPS)	CIRCUIT CABLE SIZE (AWG)	MAINTAINING AGENCY
C	120V / 240V (SINGLE PHASE, 3-WIRE)	5.08	4	60	1	10.12	20	4	CPP
					2	11.05	20	4	

NOTES:

- 1) "CIRCUIT CABLE SIZE" REFERS TO THE WIRE AWG COMING OUT OF THE CONTROL CENTER FOR EACH CIRCUIT.
- 2) ONLY PULL BOXES / JUNCTION BOXES FOR BRANCH CIRCUITS AND JUNCTION BOXES BREAKING UP LONG CONDUIT RUNS ARE SHOWN IN THE CIRCUIT SCHEMATIC.
- 3) THE CONTRACTOR SHALL INSTALL THE CONDUIT, TRANSFORMER, CONDUCTORS AND POLES; CONNECTIONS AT THE TRANSFORMER SHALL BE INSTALLED BY CPP FORCES.



- LEGEND:
- WOOD POLE, EXISTING, WITH 1 NEW LED LUMINAIRE, 30' HEIGHT
 - WOOD POLE WITH 1 LED LUMINAIRE, 30' HEIGHT
 - BRONZE SHOEBOX POLE WITH 1 LED LUMINAIRE, 30' HEIGHT
 - UNDERPASS LED WALLPACK FIXTURE
 - TRANSFORMER (BY CPP)
 - PULL BOX / JUNCTION BOX
 - CIRCUIT WIRE (SINGLE-PHASE, 3-WIRE SYSTEM)

POWER SERVICE DATA									
POWER SERVICE	LINE VOLTAGE (VOLTS)	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CABLE (AWG)	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD (AMPS)	CIRCUIT FUSE SIZE (AMPS)	CIRCUIT CABLE SIZE (AWG)	MAINTAINING AGENCY
D	120V / 240V (SINGLE PHASE, 3-WIRE)	2.69	4	60	1	11.20	20	4	CPP

NOTES:

- 1) "CIRCUIT CABLE SIZE" REFERS TO THE WIRE AWG COMING OUT OF THE CONTROL CENTER FOR EACH CIRCUIT.
- 2) ONLY PULL BOXES / JUNCTION BOXES FOR BRANCH CIRCUITS AND JUNCTION BOXES BREAKING UP LONG CONDUIT RUNS ARE SHOWN IN THE CIRCUIT SCHEMATIC.
- 3) THE CONTRACTOR SHALL INSTALL THE CONDUIT, TRANSFORMER, CONDUCTORS AND POLES; CONNECTIONS AT THE TRANSFORMER SHALL BE INSTALLED BY CPP FORCES.

DESIGN AGENCY

Michael Baker INTERNATIONAL

DESIGNER

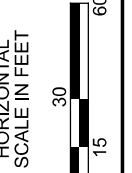
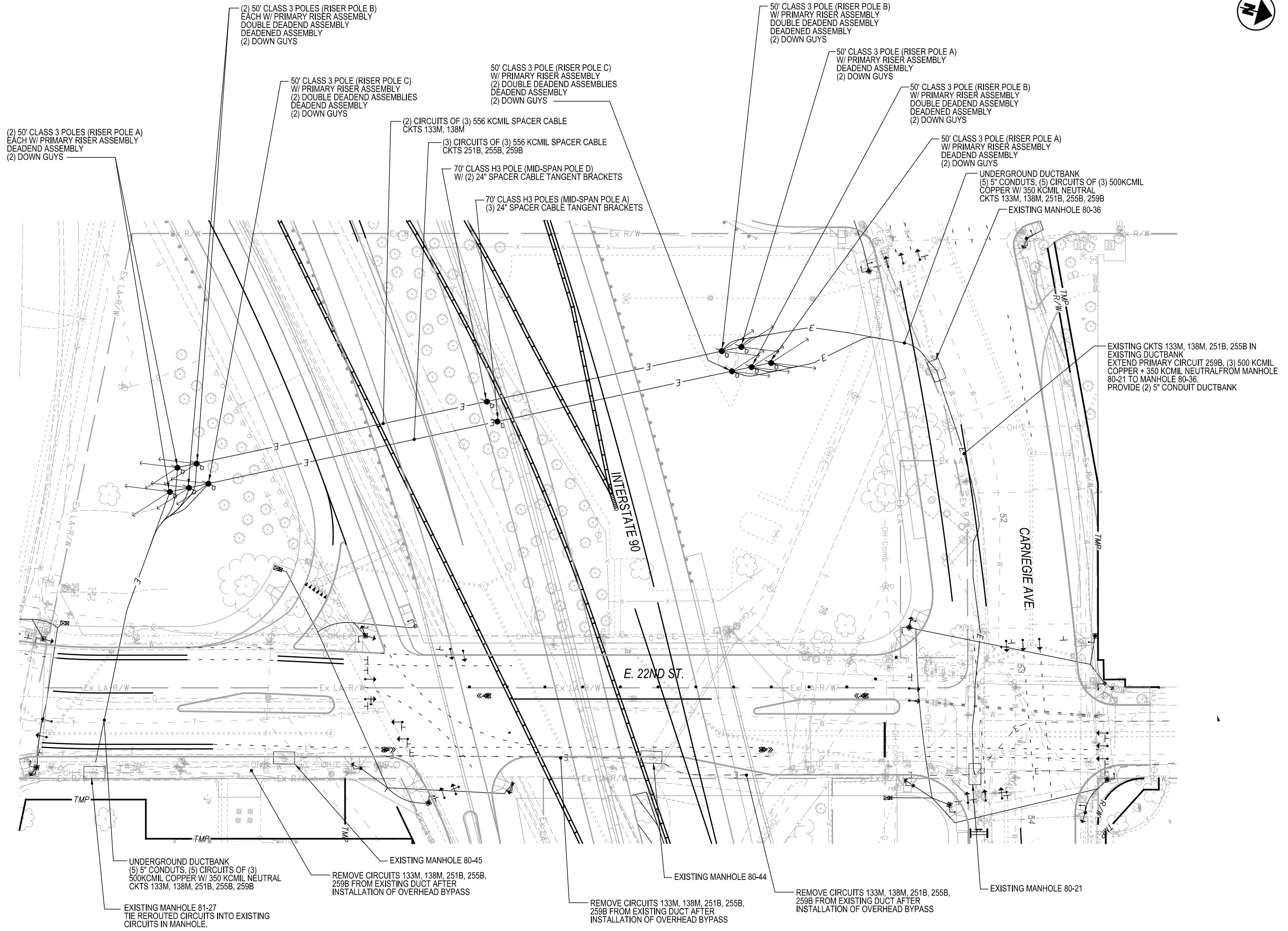
REVIEWER

PROJECT ID

82382

SHEET TOTAL

1385 2339



CLEVELAND PUBLIC POWER
 TEMPORARY POWER SCHEMATIC PLAN
 E. 22ND ST. BRIDGE REPLACEMENT

DESIGN AGENCY



DESIGNER

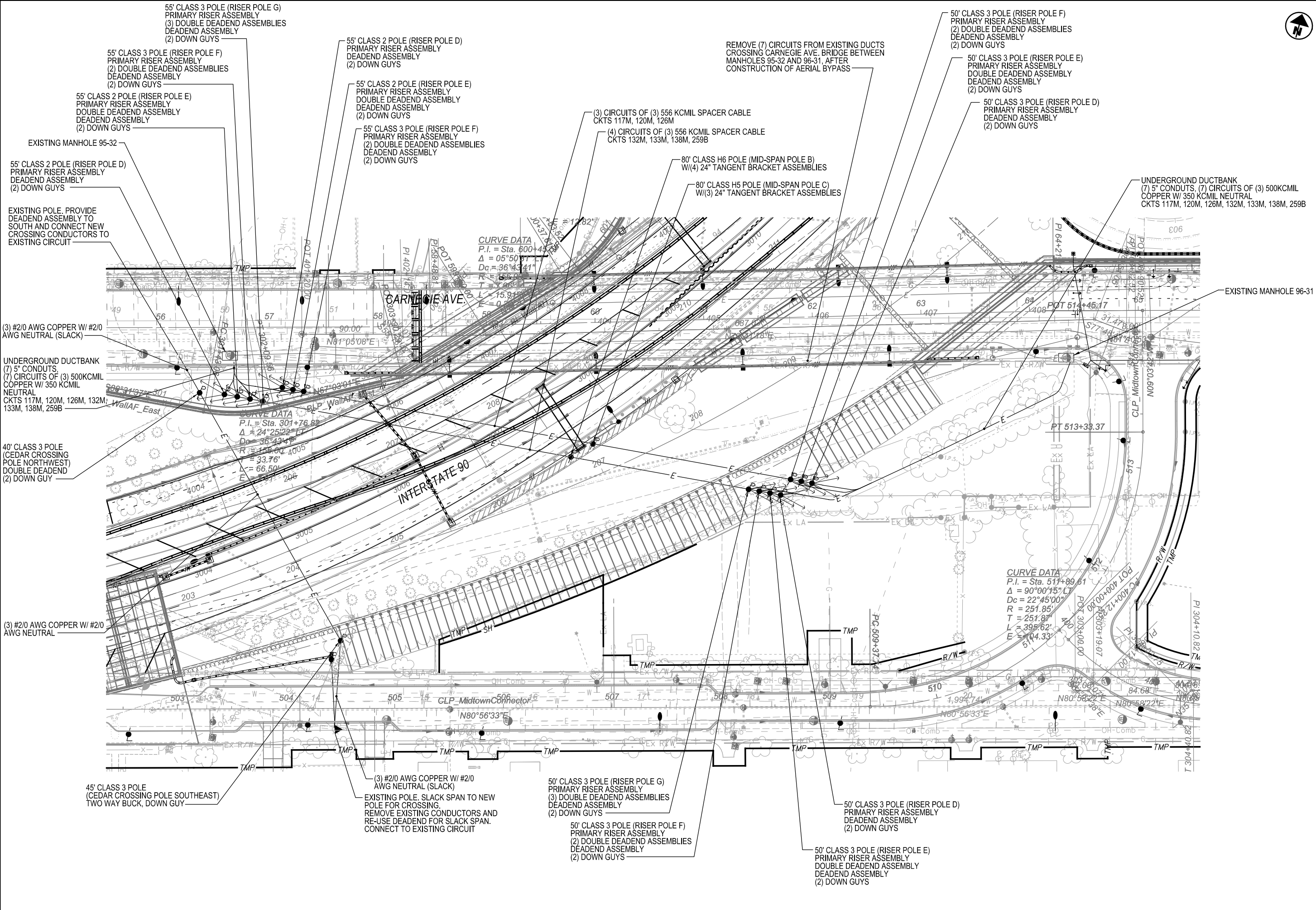
REVIEWER

PROJECT ID

82382

SHEET TOTAL

1388 2339



CLEVELAND PUBLIC POWER
 TEMPORARY POWER SCHEMATIC PLAN
 CARNEGIE AVE. BRIDGE REPLACEMENT

DESIGN AGENCY



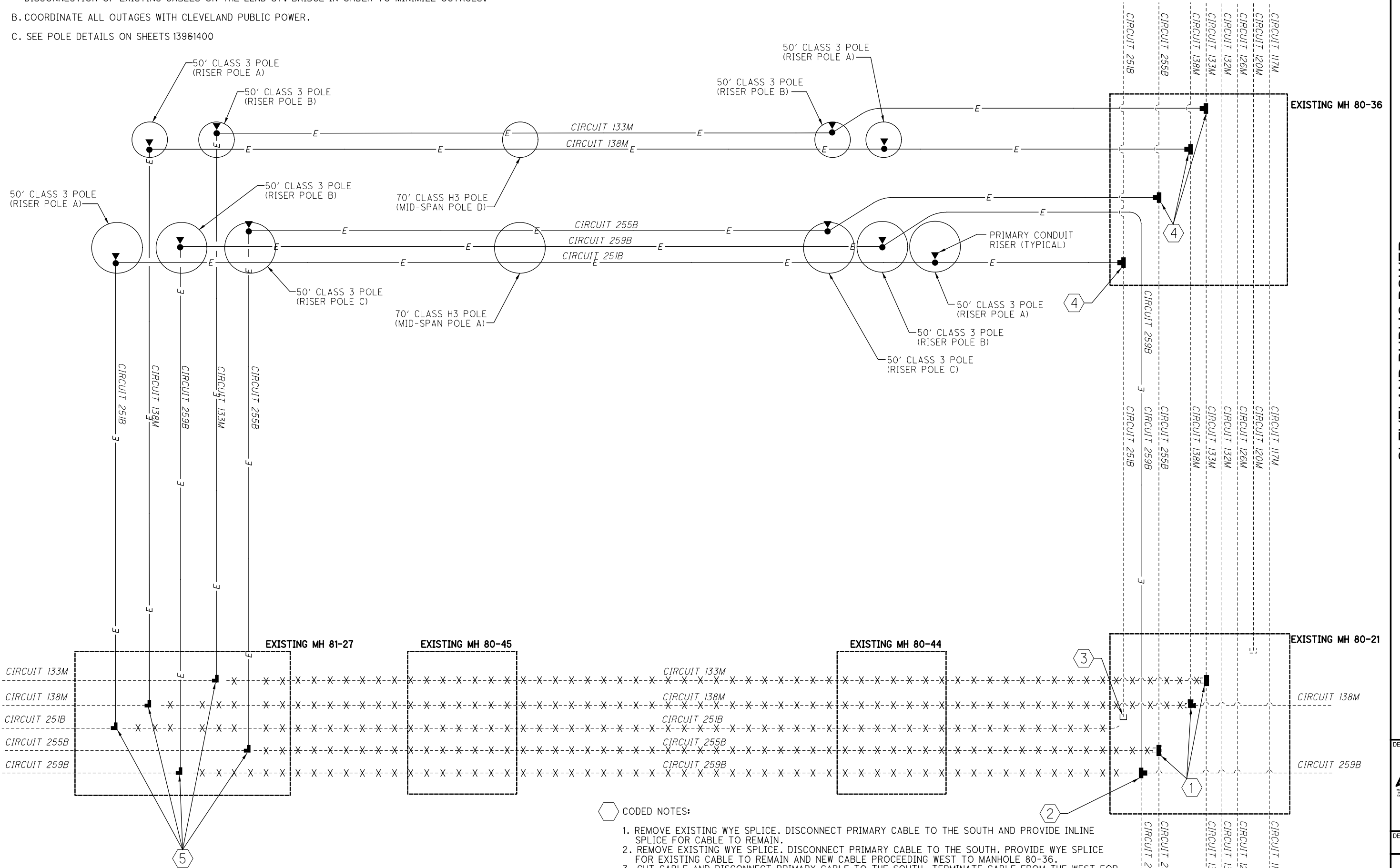
DESIGNER

REVIEWER

PROJECT ID
82382

SHEET	TOTAL
1389	2339

GENERAL NOTES:
 A. ALL TEMPORARY POLES, DUCTS AND CABLES SHALL BE INSTALLED PRIOR TO CUT-OVER AND DISCONNECTION OF EXISTING CABLES ON THE 22ND ST. BRIDGE IN ORDER TO MINIMIZE OUTAGES.
 B. COORDINATE ALL OUTAGES WITH CLEVELAND PUBLIC POWER.
 C. SEE POLE DETAILS ON SHEETS 13961400



CODED NOTES:

1. REMOVE EXISTING WYE SPLICE. DISCONNECT PRIMARY CABLE TO THE SOUTH AND PROVIDE INLINE SPLICE FOR CABLE TO REMAIN.
2. REMOVE EXISTING WYE SPLICE. DISCONNECT PRIMARY CABLE TO THE SOUTH. PROVIDE WYE SPLICE FOR EXISTING CABLE TO REMAIN AND NEW CABLE PROCEEDING WEST TO MANHOLE 80-36.
3. CUT CABLE AND DISCONNECT PRIMARY CABLE TO THE SOUTH. TERMINATE CABLE FROM THE WEST FOR RECONNECTION IN PERMANENT CONDITION.
4. CUT INTO EXISTING CABLE. PROVIDE WYE SPLICE AND CONNECT TO NEW CABLE TO THE SOUTH.
5. CUT CABLE AND DISCONNECT PRIMARY CABLE TO THE NORTH. PROVIDE INLINE SPLICE BETWEEN EXISTING CABLE TO THE SOUTH AND NEW CABLE FROM THE WEST.

CLEVELAND PUBLIC POWER
 15KV ONE LINE DIAGRAM
 E. 22ND ST. TEMPORARY RELOCATION

DESIGN AGENCY

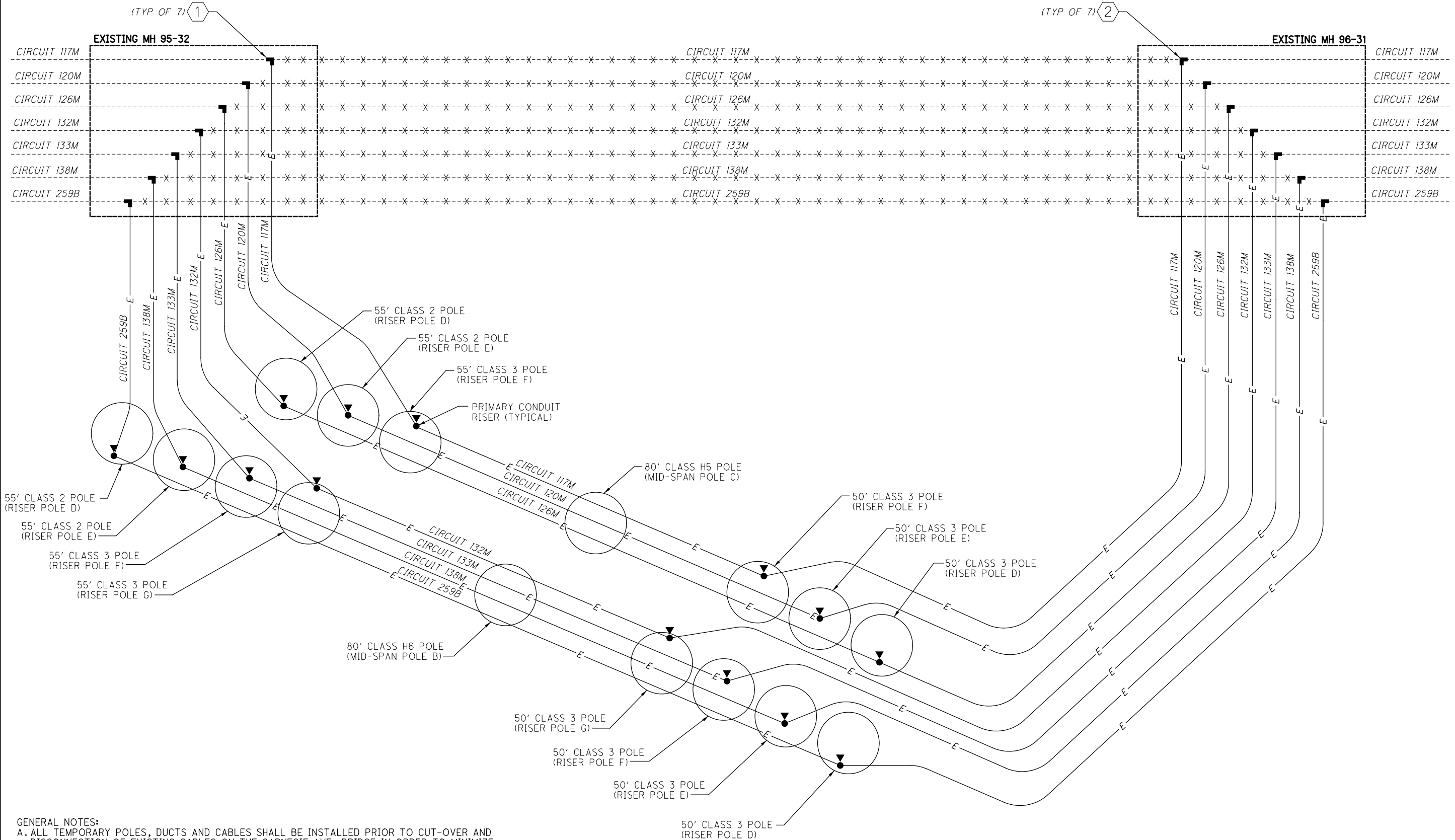


DESIGNER

REVIEWER

PROJECT ID
82382

SHEET	TOTAL
1390	2339



GENERAL NOTES:
 A. ALL TEMPORARY POLES, DUCTS AND CABLES SHALL BE INSTALLED PRIOR TO CUT-OVER AND DISCONNECTION OF EXISTING CABLES ON THE CARNEGIE AVE. BRIDGE IN ORDER TO MINIMIZE OUTAGES.
 B. COORDINATE ALL OUTAGES WITH CLEVELAND PUBLIC POWER.
 C. ALL UNDERGROUND PRIMARY CABLES SHALL BE 500 KCMIL COPPER. ALL AERIAL PRIMARY CABLES SHALL BE 556 KCMIL SPACER CABLE.
 D. SEE SHEETS 1396140 FOR POLE DETAILS.

CODED NOTES:
 1. CUT CABLE AND DISCONNECT PRIMARY CABLE TO THE EAST. PROVIDE INLINE SPLICE BETWEEN EXISTING CABLE TO THE WEST AND NEW CABLE ROUTING SOUTH.
 2. CUT CABLE AND DISCONNECT PRIMARY CABLE TO THE WEST. PROVIDE INLINE SPLICE BETWEEN EXISTING CABLE TO THE EAST AND NEW CABLE FROM THE SOUTH.

CLEVELAND PUBLIC POWER
 15KV ONE LINE DIAGRAM
 CARNEGIE AVE. TEMPORARY RELOCATION

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
1391	2339





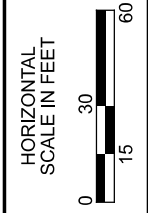
EXISTING MANHOLE 81-27
 STA. 31+32.0, 46.8' RT @ E. 22ND ST.
 TIE NEW CIRCUIT CONDUCTORS INTO EXISTING
 CIRCUITS IN MANHOLE.

PROVIDE CONCRETE ENCASED DUCTBANK, (9)5"
 SCH. 40 PVC, WITH CIRCUITS 133M, 138M, 251B, 255B,
 259B, EACH (3) 500 KCMIL WITH 350 KCMIL GND

PROVIDE (9) 5" DUCTS, RGS, WITH CIRCUITS
 133M, 138M, 251B, 255B, 259B

PROVIDE CONCRETE ENCASED DUCTBANK, (9)5"
 SCH. 40 PVC, WITH CIRCUITS 133M, 138M, 251B, 255B,
 259B, EACH (3) 500 KCMIL WITH 350 KCMIL GND

EXISTING MANHOLE 80-21
 STA. 37+14.9, 47.7' RT @ E. 22ND ST.
 TIE NEW CIRCUIT CONDUCTORS INTO
 EXISTING CIRCUITS IN MANHOLE.



CLEVELAND PUBLIC POWER
 POWER PLAN
 E. 22ND ST. BRIDGE REPLACEMENT

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID
 82382

SHEET	TOTAL
1392	2339

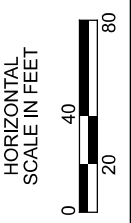
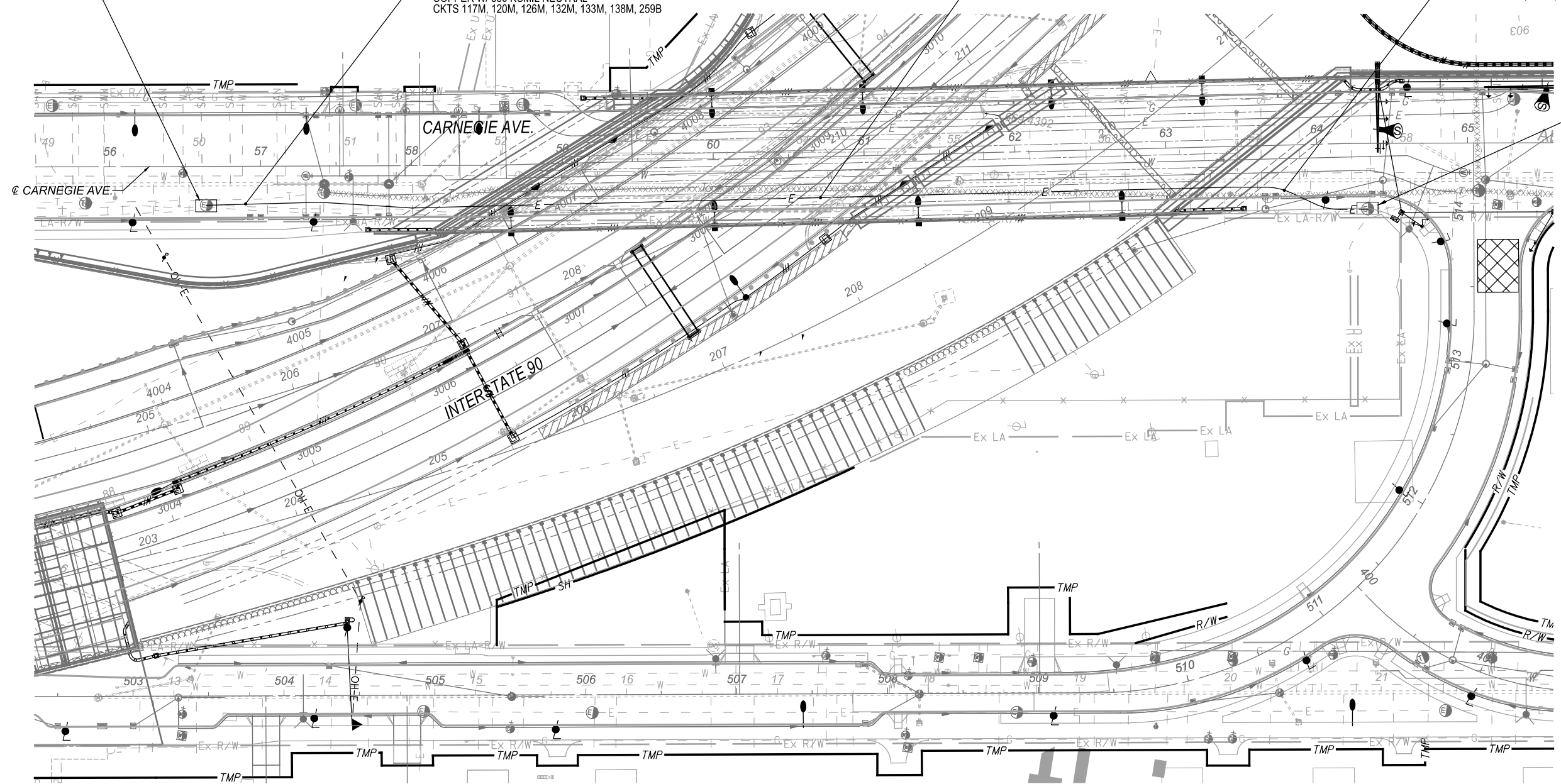
EXISTING MANHOLE 95-32
STA 56+63.8, 26.1' RT,
@ CARNEGIE AVE.

UNDERGROUND DUCTBANK
(12) 5" CONDUITS, (8) CIRCUITS OF (3) 500KCMIL
COPPER W/ 350 KCML NEUTRAL
CKTS 117M, 120M, 126M, 132M, 133M, 138M, 259B

RIGID GALVANIZED STEEL DUCTS ON BRIDGE:
(12) 5" CONDUITS, (8) CIRCUITS OF (3) 500KCMIL
COPPER W/ 350 KCML NEUTRAL
CKTS 117M, 120M, 126M, 132M, 133M, 138M, 259B

UNDERGROUND DUCTBANK
(12) 5" CONDUITS, (8) CIRCUITS OF (3) 500KCMIL
COPPER W/ 350 KCML NEUTRAL
CKTS 117M, 120M, 126M, 132M, 133M, 138M, 259B, B49

EXISTING MANHOLE 96-31
STA 64+33.6, 43.0' RT,
@ CARNEGIE AVE.



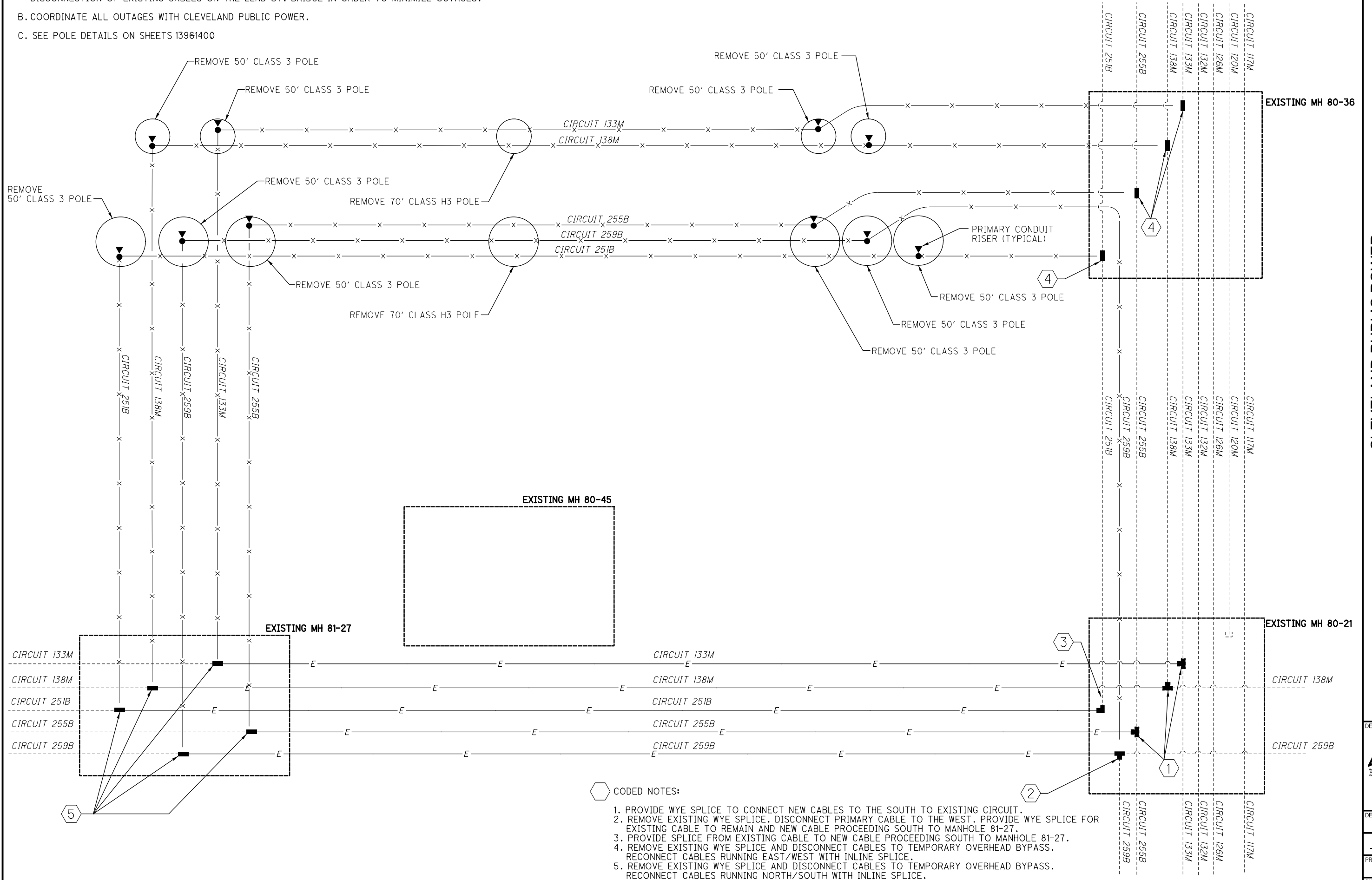
CLEVELAND PUBLIC POWER
POWER PLAN
CARNEGIE AVE. BRIDGE REPLACEMENT

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	1393 2339

- GENERAL NOTES:
 A. ALL TEMPORARY POLES, DUCTS AND CABLES SHALL BE INSTALLED PRIOR TO CUT-OVER AND DISCONNECTION OF EXISTING CABLES ON THE 22ND ST. BRIDGE IN ORDER TO MINIMIZE OUTAGES.
 B. COORDINATE ALL OUTAGES WITH CLEVELAND PUBLIC POWER.
 C. SEE POLE DETAILS ON SHEETS 13961400



CODED NOTES:

1. PROVIDE WYE SPLICE TO CONNECT NEW CABLES TO THE SOUTH TO EXISTING CIRCUIT.
2. REMOVE EXISTING WYE SPLICE. DISCONNECT PRIMARY CABLE TO THE WEST. PROVIDE WYE SPLICE FOR EXISTING CABLE TO REMAIN AND NEW CABLE PROCEEDING SOUTH TO MANHOLE 81-27.
3. PROVIDE SPLICE FROM EXISTING CABLE TO NEW CABLE PROCEEDING SOUTH TO MANHOLE 81-27.
4. REMOVE EXISTING WYE SPLICE AND DISCONNECT CABLES TO TEMPORARY OVERHEAD BYPASS. RECONNECT CABLES RUNNING EAST/WEST WITH INLINE SPLICE.
5. REMOVE EXISTING WYE SPLICE AND DISCONNECT CABLES TO TEMPORARY OVERHEAD BYPASS. RECONNECT CABLES RUNNING NORTH/SOUTH WITH INLINE SPLICE.

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

82382

SHEET TOTAL

1394 2339

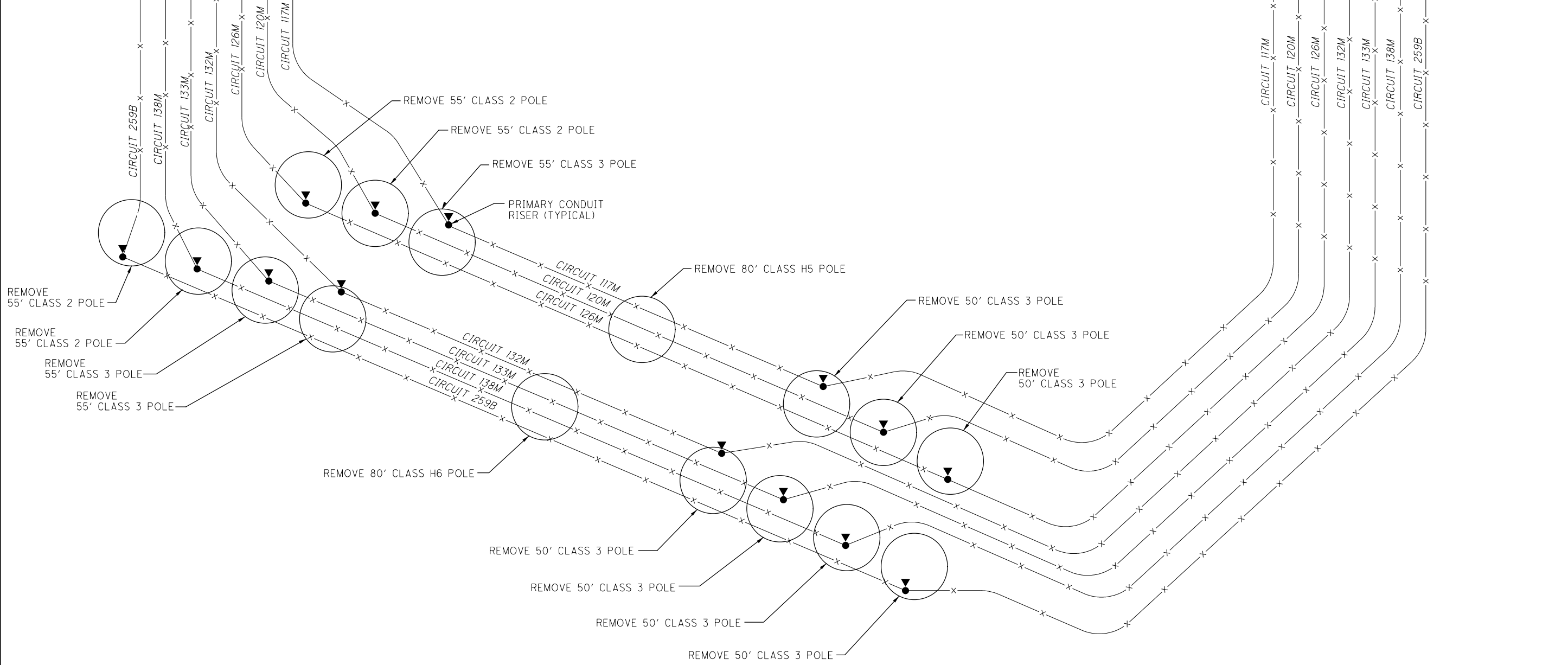
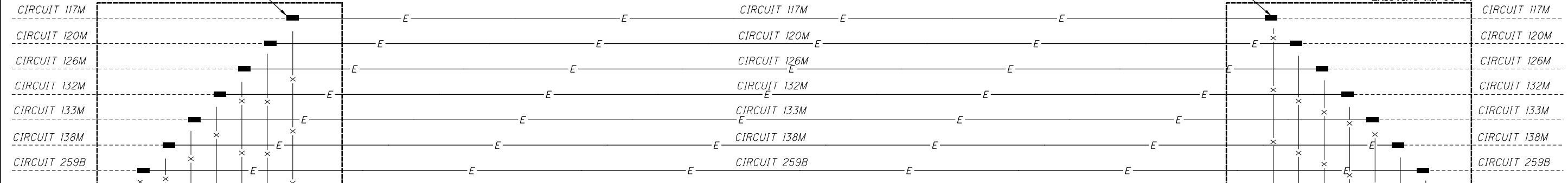


(TYP OF 7) 1

(TYP OF 7) 1

EXISTING MH 95-32

EXISTING MH 96-31



GENERAL NOTES:
 A. ALL PERMANENT DUCTS AND CABLES SHALL BE INSTALLED PRIOR TO CUT-OVER AND DISCONNECTION OF TEMPORARY BYPASS CABLES IN ORDER TO MINIMIZE OUTAGES.
 B. COORDINATE ALL OUTAGES WITH CLEVELAND PUBLIC POWER.
 C. ALL UNDERGROUND PRIMARY CABLES SHALL BE 500 KCMIL COPPER.

CODED NOTES:

1. REMOVE EXISTING SPLICE AND CUT AND REMOVE CONDUCTORS CREATING TEMPORARY BYPASS. PROVIDE PRIMARY CABLES IN NEW DUCTBANK BETWEEN EXISTING MANHOLES. PROVIDE INLINE SPLICE FROM EXISTING TO REMAIN CIRCUIT CONDUCTORS AND NEW CONDUCTORS.

CUY-90-16.28 (CCG3A)

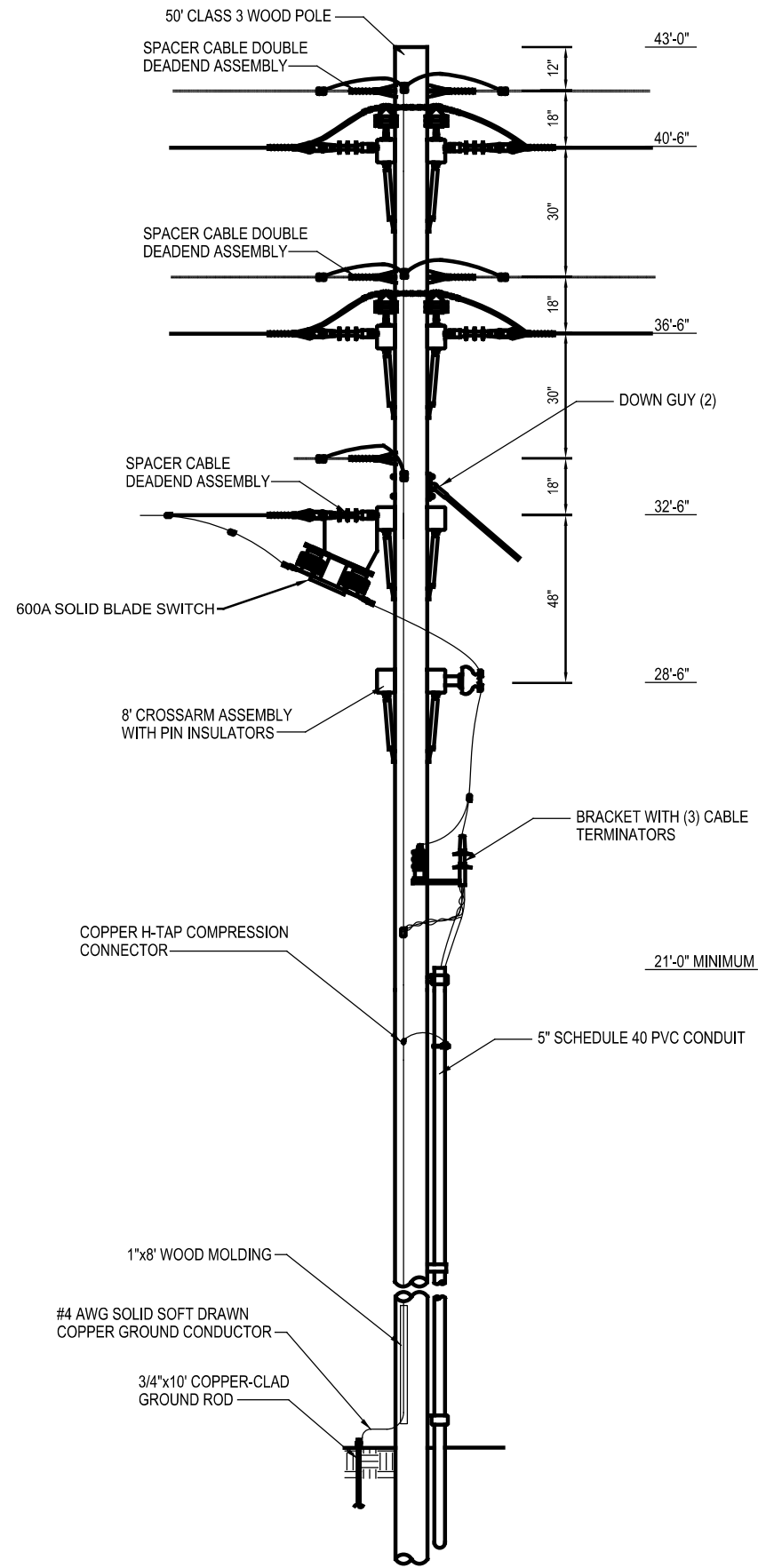
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CLEVELAND PUBLIC POWER
 15KV ONE LINE DIAGRAM
 CARNEGIE AVE. PERMANENT CONDITION

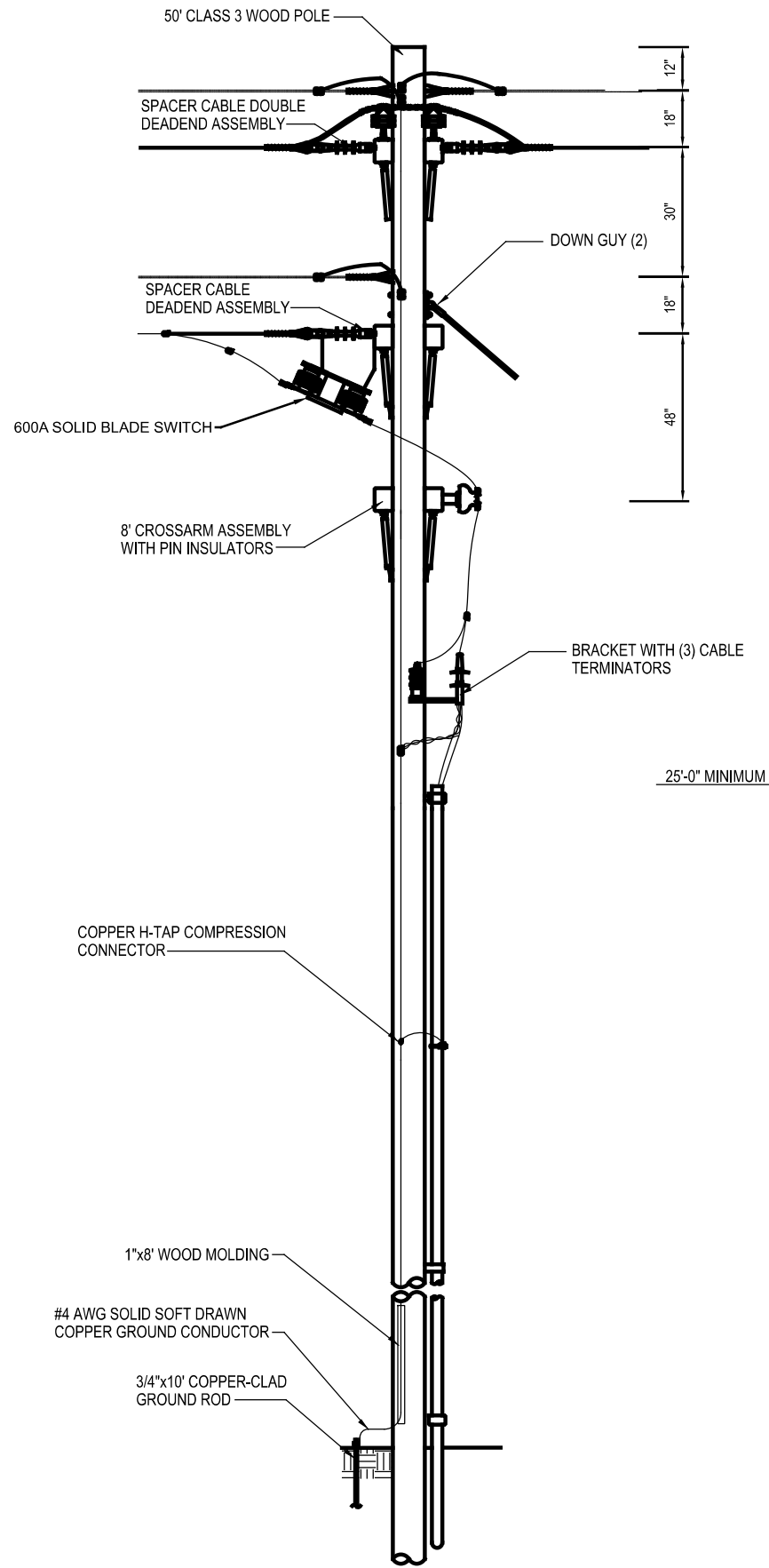
DESIGN AGENCY



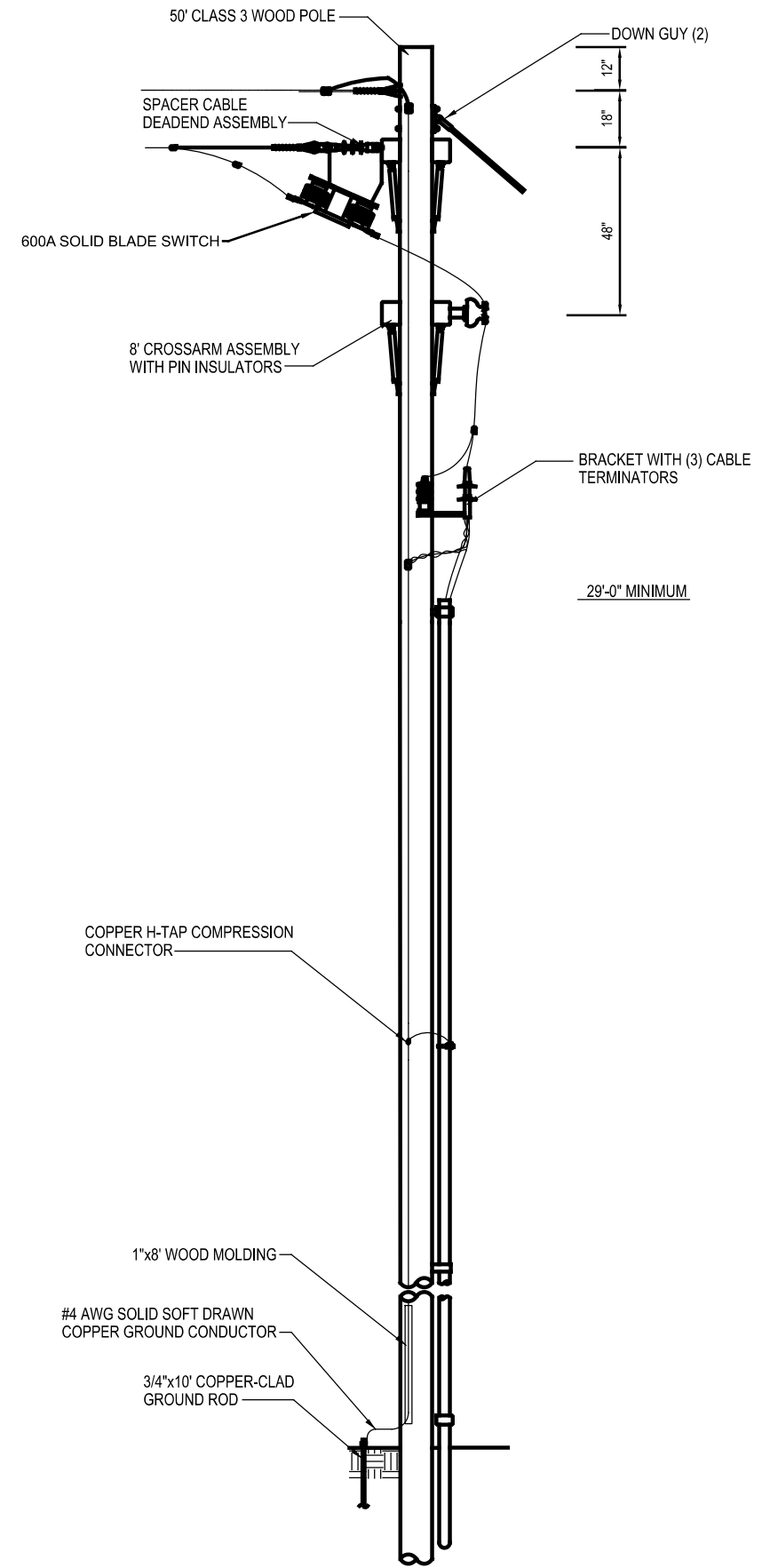
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
1395	2339



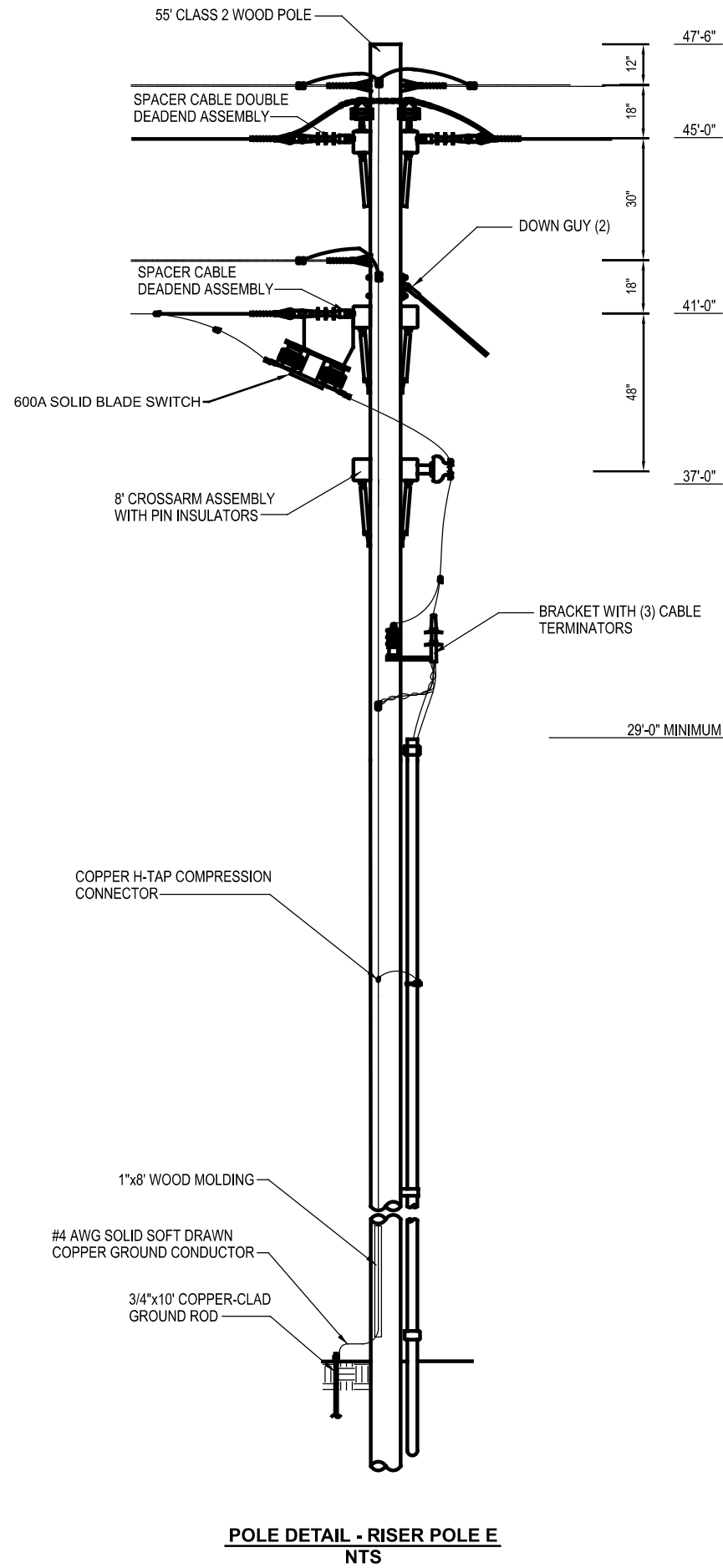
POLE DETAIL - RISER POLE C
NTS



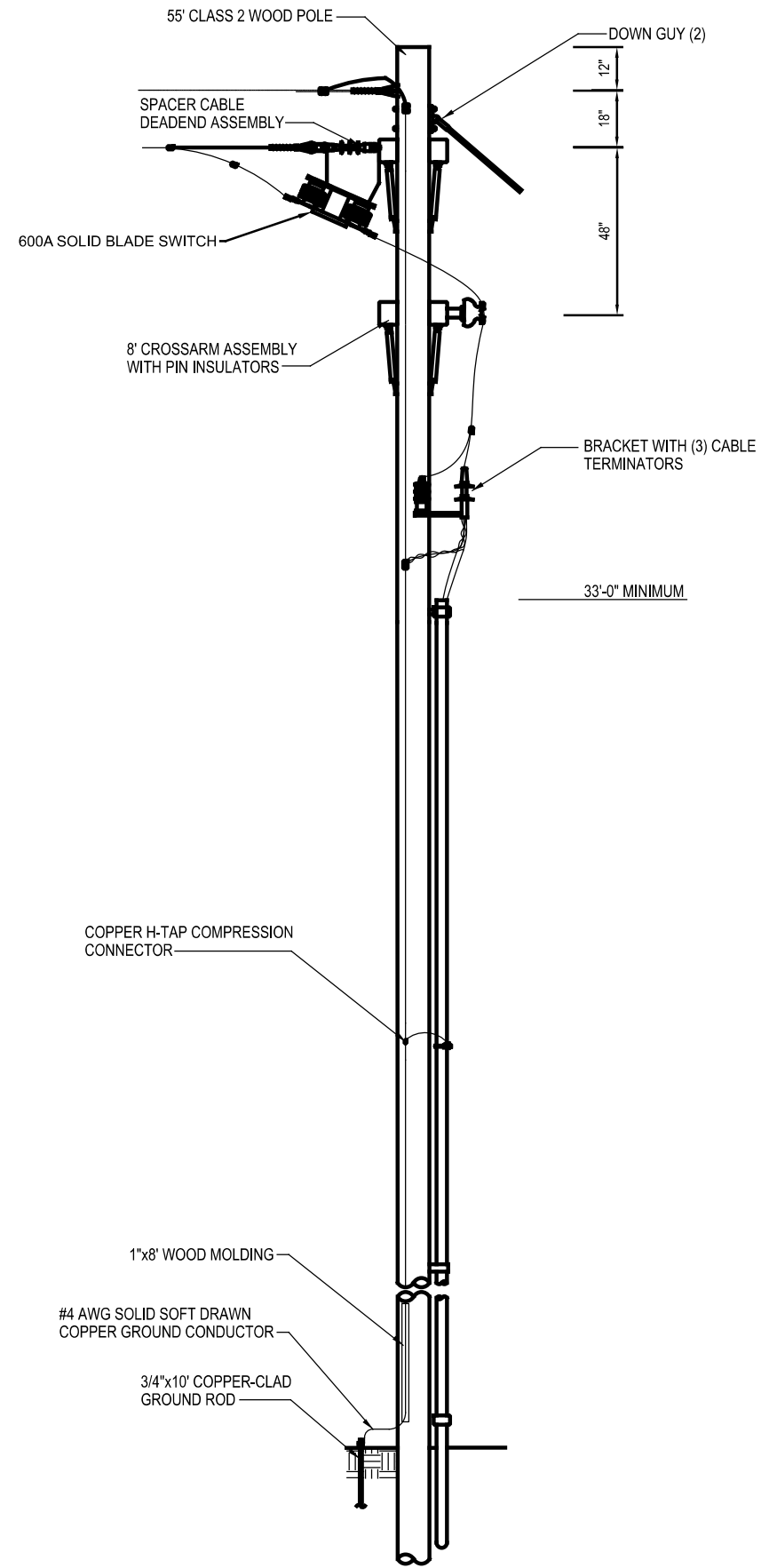
POLE DETAIL - RISER POLE B
NTS



POLE DETAIL - RISER POLE A
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POLE DETAIL - RISER POLE E
NTS



POLE DETAIL - RISER POLE D
NTS

DESIGN AGENCY



DESIGNER

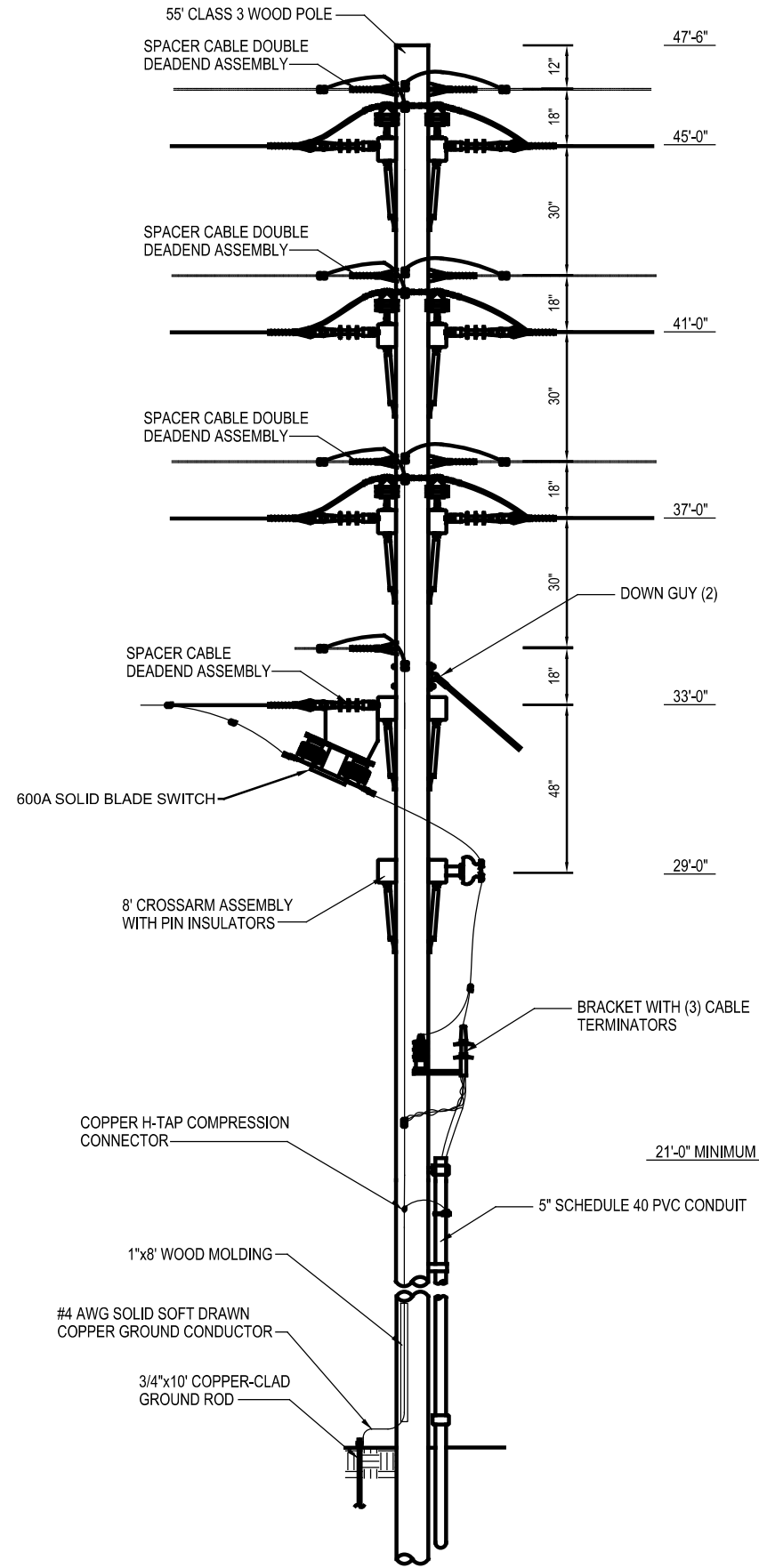
REVIEWER

PROJECT ID

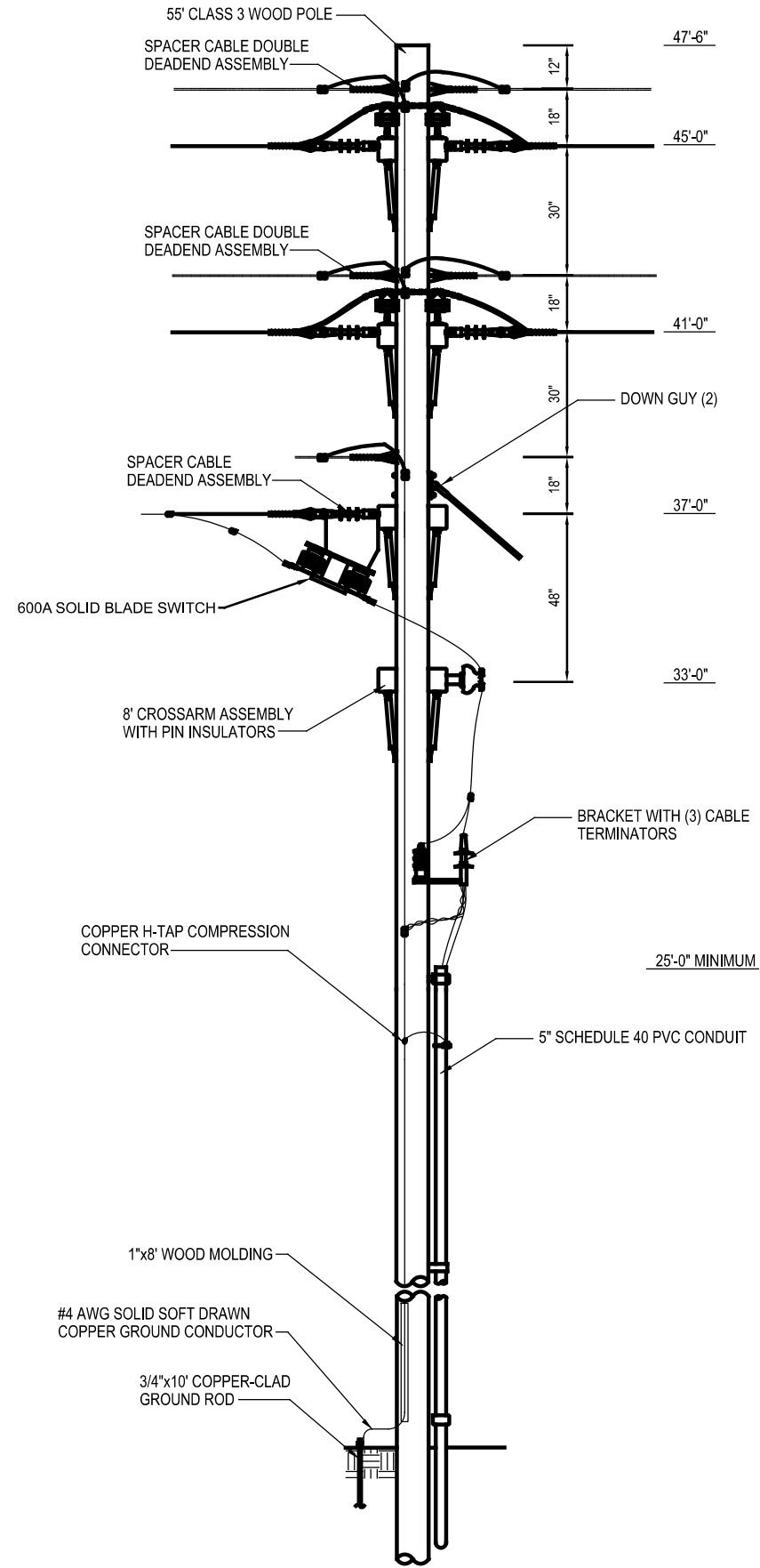
82382

SHEET TOTAL

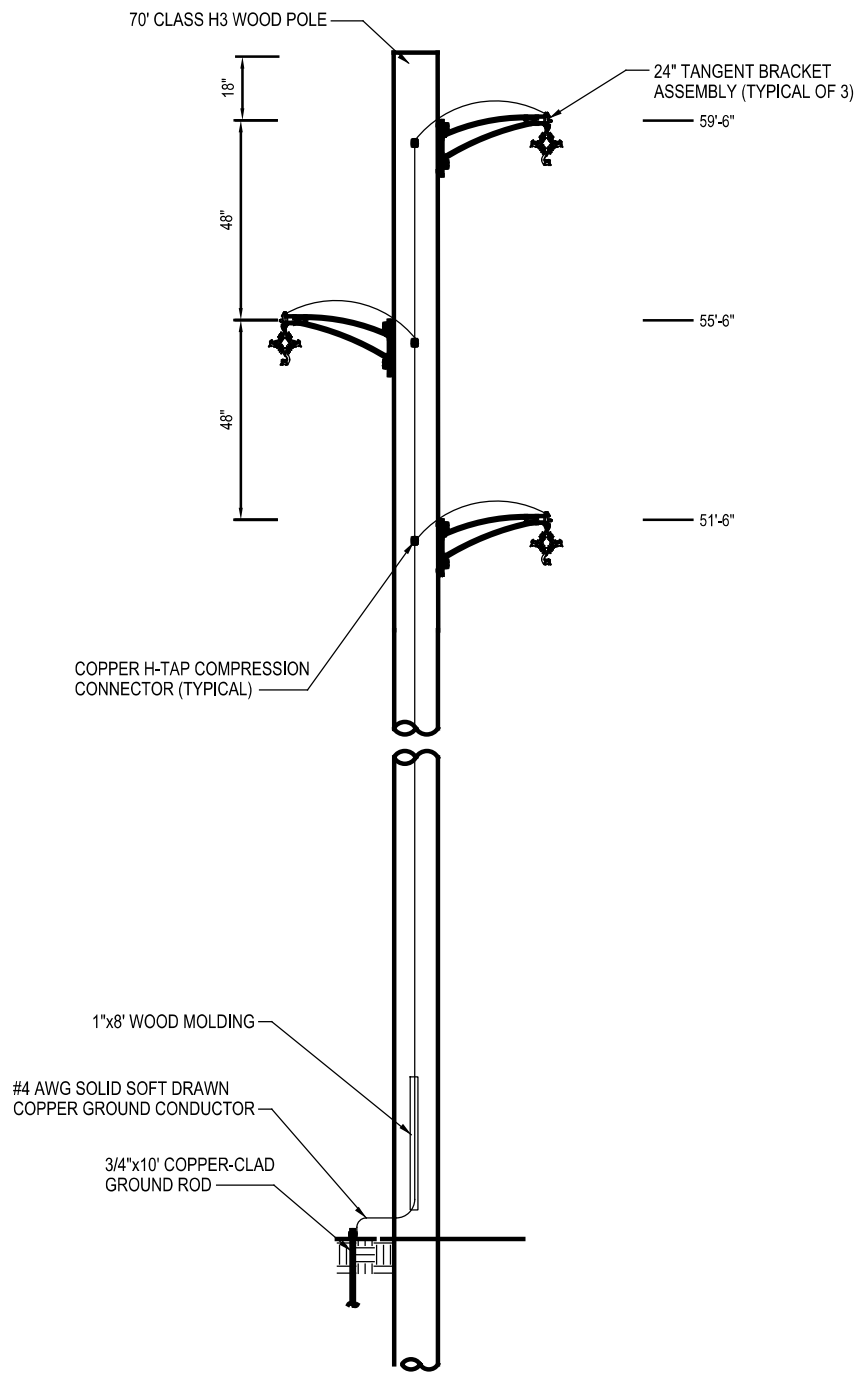
1397 2339



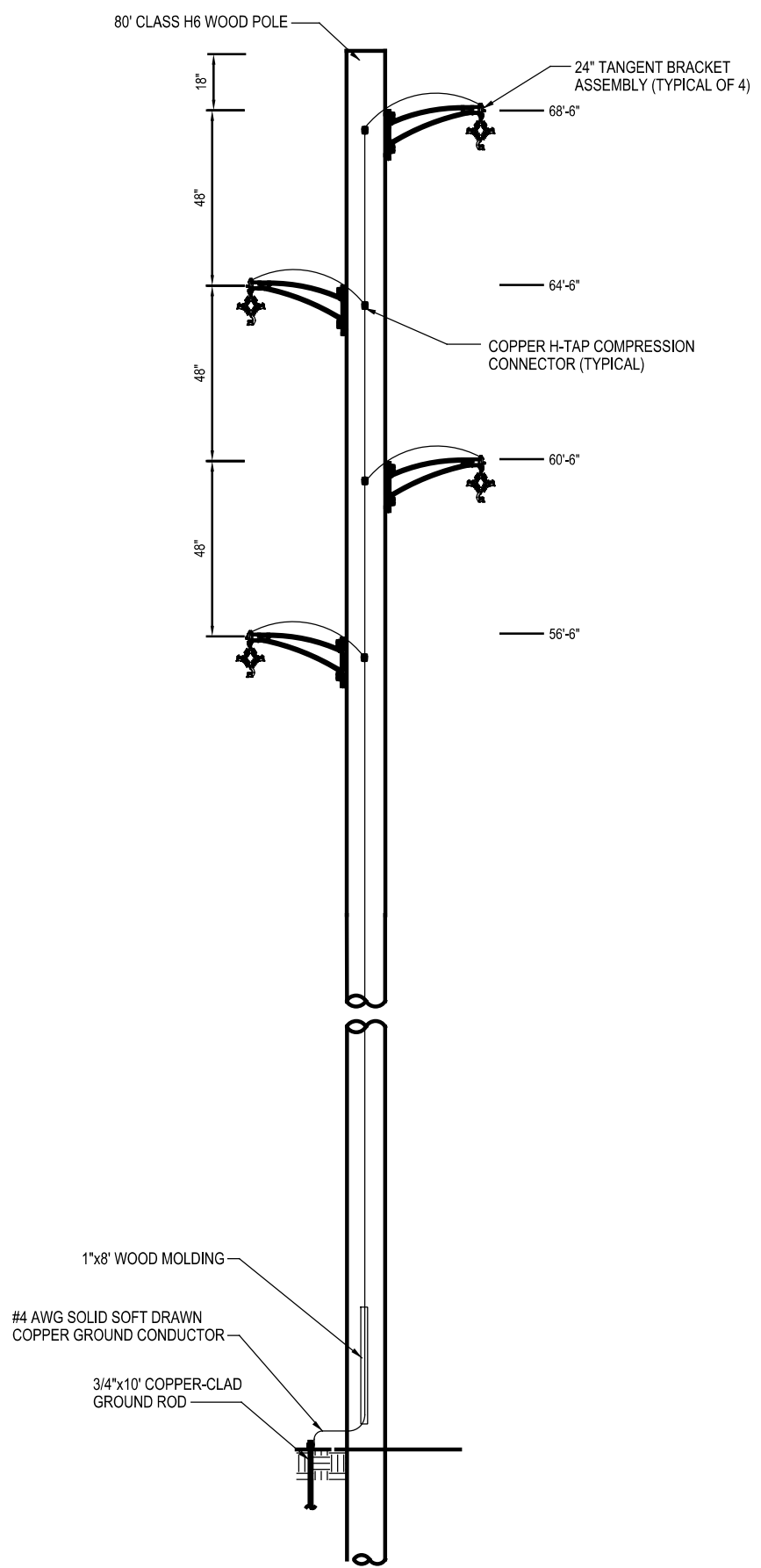
POLE DETAIL - RISER POLE G
NTS



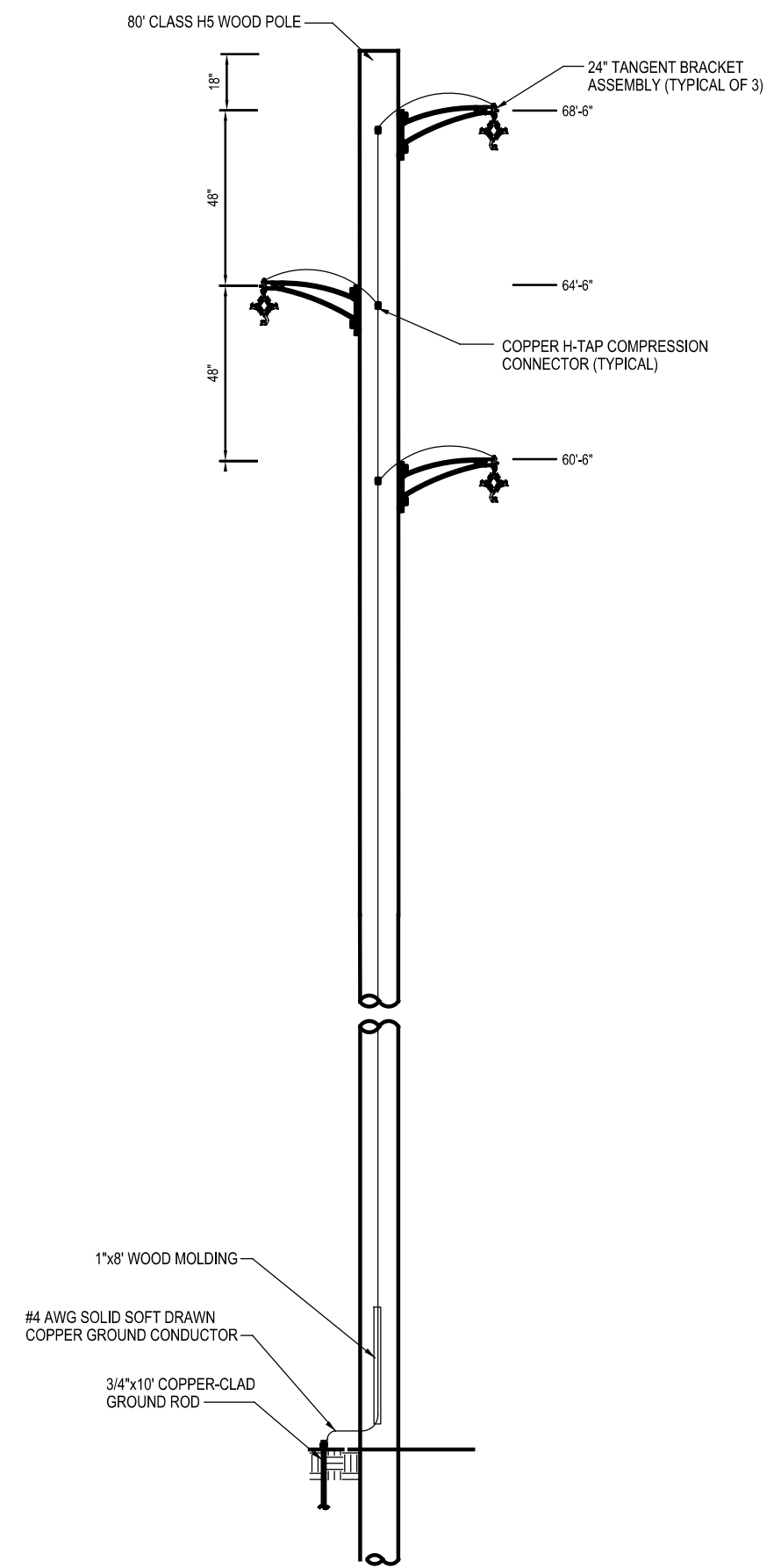
POLE DETAIL - RISER POLE F
NTS



POLE DETAIL - MID-SPAN POLE A (22ND ST)
NTS



POLE DETAIL - MID-SPAN POLE B (CARNEGIE)
NTS

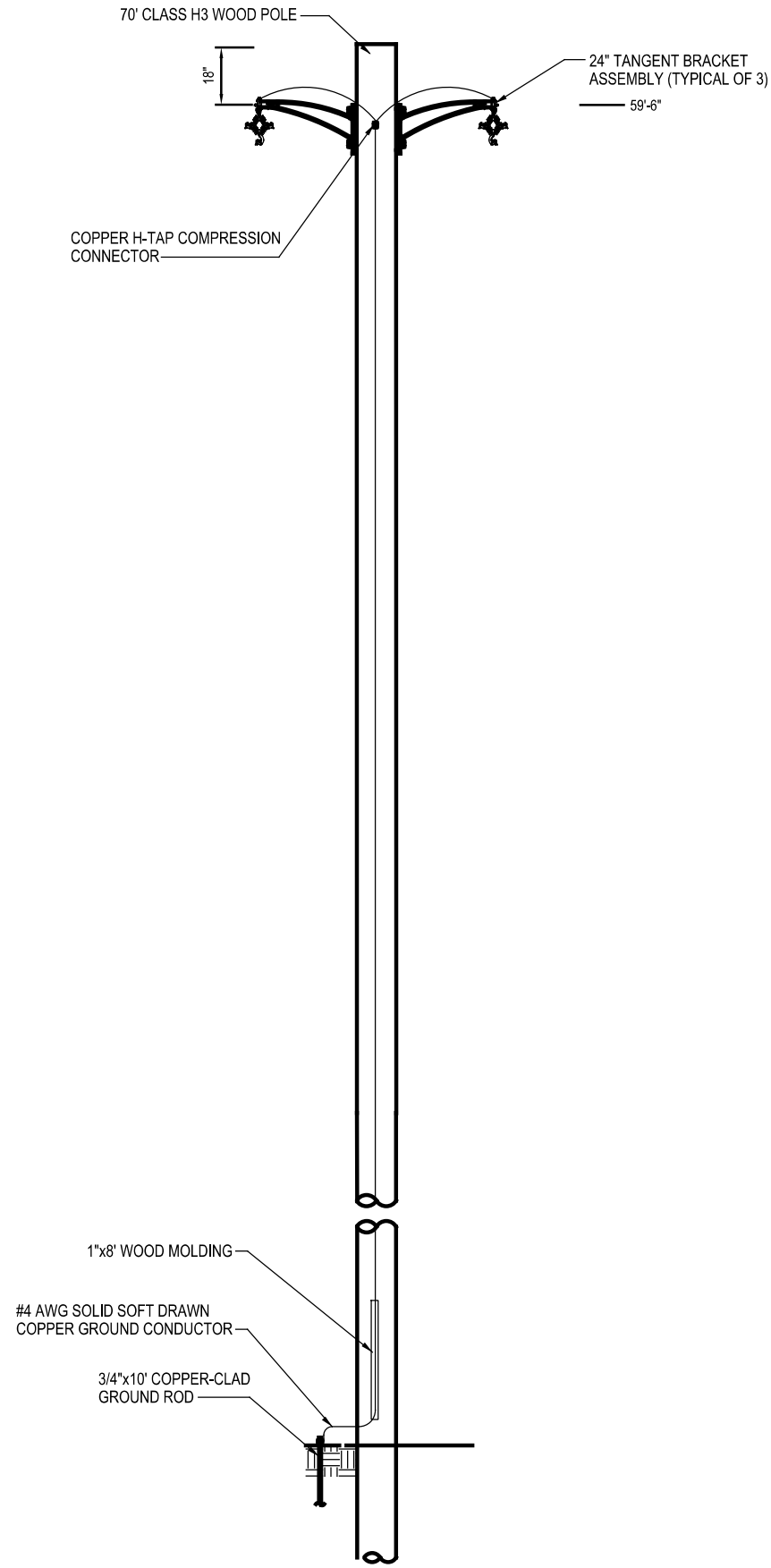


POLE DETAIL - MID-SPAN POLE C (CARNEGIE)
NTS

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
1399	2339



POLE DETAIL - MID-SPAN POLE D (22ND ST)
NTS

DESIGN AGENCY



DESIGNER

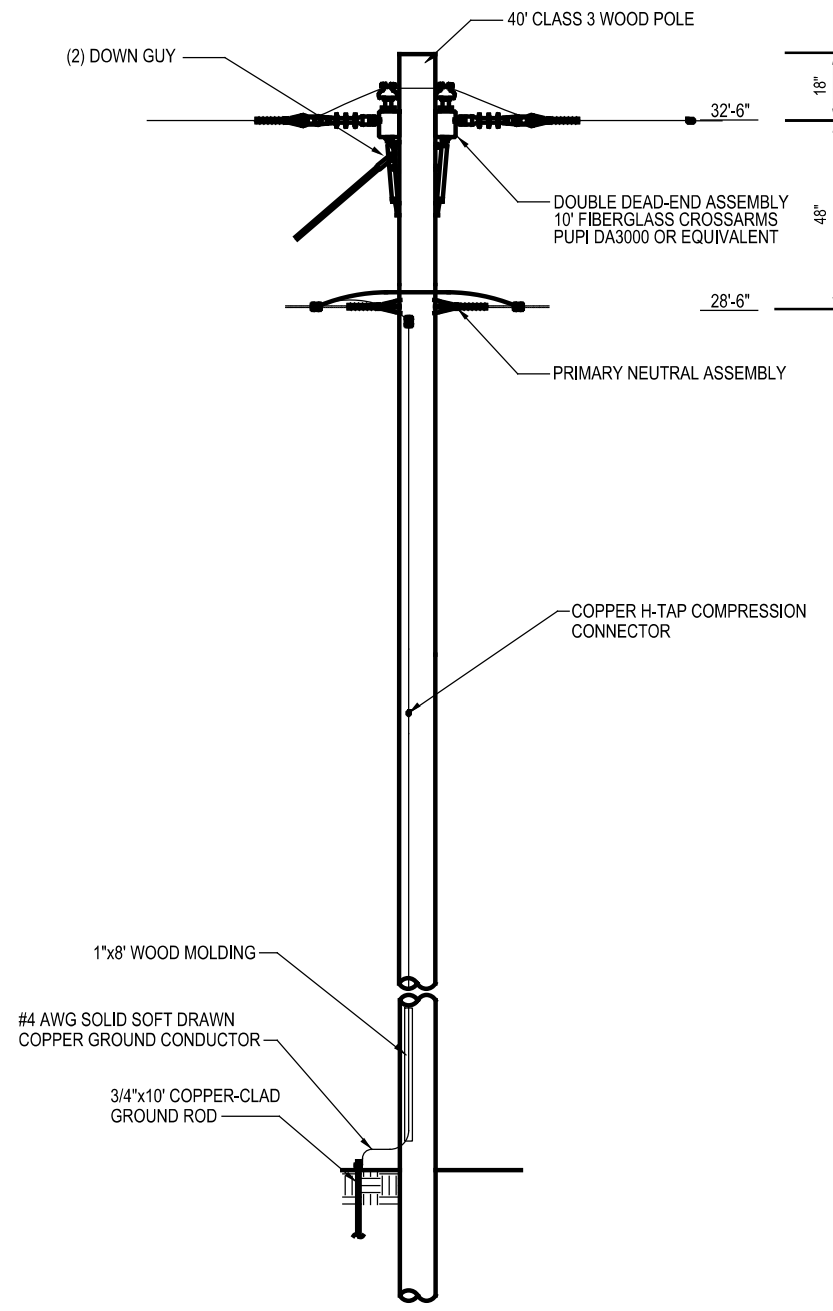
REVIEWER

PROJECT ID

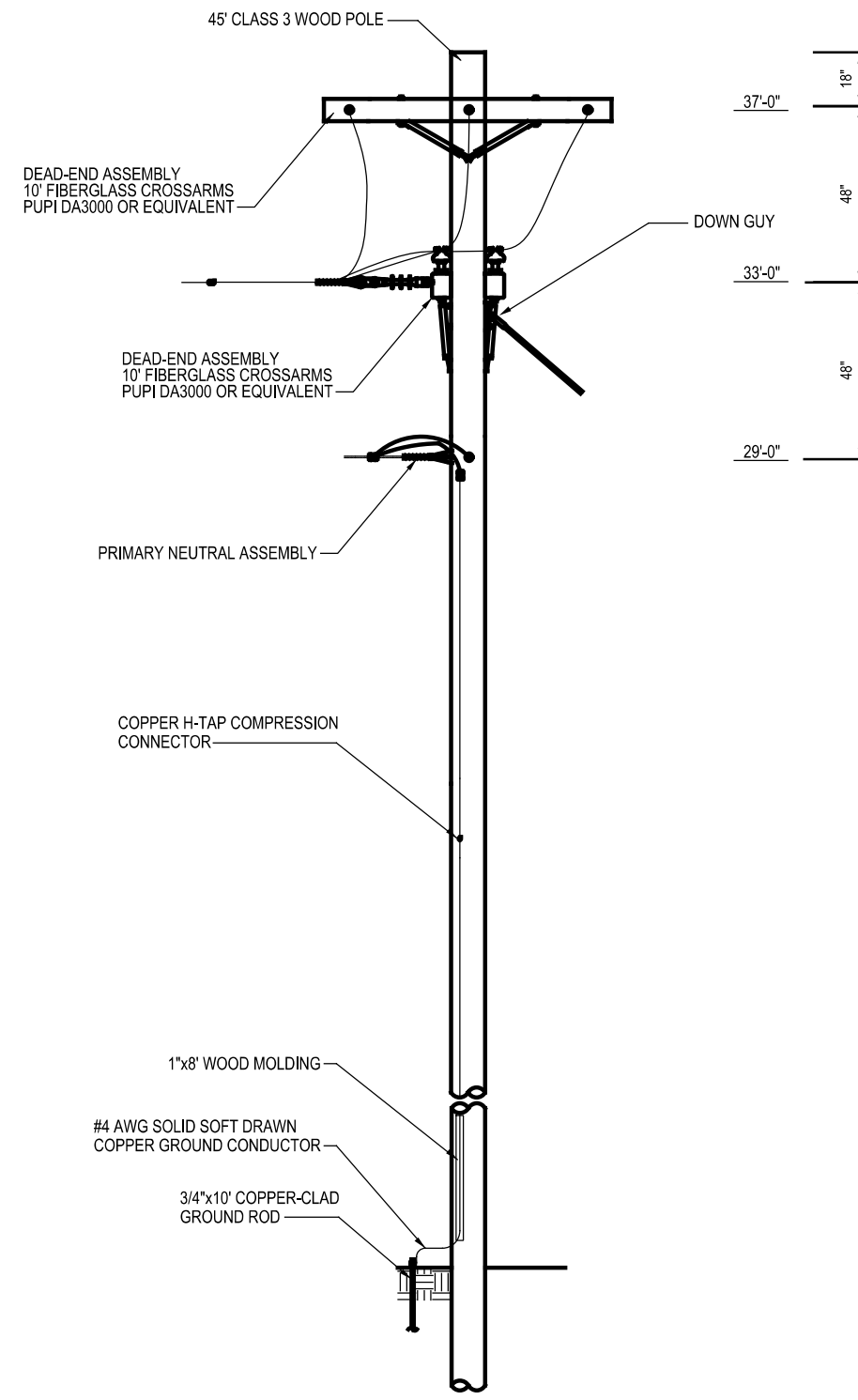
82382

SHEET TOTAL

1400 2339



POLE DETAIL - CEDAR CROSSING (NORTHWEST)
 NTS



POLE DETAIL - CEDAR CROSSING (SOUTHEAST)
 NTS

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID
 82382

SHEET	TOTAL
1401	2339