

CITY OF KIRKLAND
WASHINGTON

CITY OF KIRKLAND

DOWTOWN KIRKLAND AND NE 124TH STREET
PEDESTRIAN SAFETY

FEDERAL AID NO. HSIP-000S(598)
CIP NO. NMC-129
JOB NO. 58-22-PW

JANUARY 2024

CITY OFFICIALS

PENNY SWEET	MAYOR
JAY ARNOLD	DEPUTY MAYOR
NEAL BLACK	COUNCIL MEMBER
KELLI CURTIS	COUNCIL MEMBER
AMY FALCONE	COUNCIL MEMBER
TOBY NIXON	COUNCIL MEMBER
JON PASCAL	COUNCIL MEMBER
KURT TRIPLETT	CITY MANAGER
JULIE UNDERWOOD	PUBLIC WORKS DIRECTOR
ROD STEITZER, PE	CAPITAL PROJECTS MANAGER

CONTACT PERSONNEL

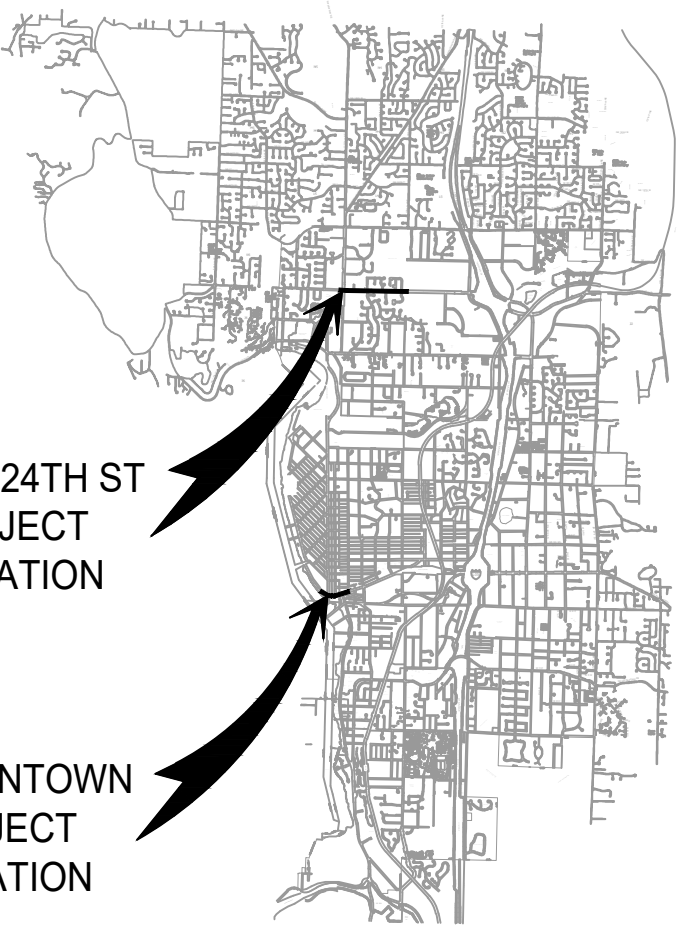
NAME	AGENCY	PHONE
JAMES WAIHENYA, P.E.	COK PROJECT ENGINEER	425-587-3800
JOSHUA PANTZE	COK UTILITY MANAGER	425-587-3917
GLENN AKRAMOFF	COK STREET AND GROUNDS MANAGER	425-587-3909
TOM CHRIEST	COK WATER	425-587-3910
DAVE KAISER	NORTHSHORE UTILITY DISTRICT	425-521-3726
KRISTOPHER LEACH	PSE (ELECTRIC)	425-429-5967
JEANNE COLEMAN	PSE (GAS)	425-463-6550
MIKE HUPF	ZIPLY	360-302-0095
JOE FORDON	COMCAST	425-263-5348
JASON TESDAL	ZAYO	206-456-2858
JOSH ERVIN	WAVE BROADBAND	425-308-7280
DISPATCH	COK POLICE	425-587-3435
DISPATCH	COK FIRE	425-587-3722
	COK SPILL RESPONSE HOTLINE	425-587-3900
	EMERGENCY	911
	ONE CALL LOCATES	1-800-424-5555

VICINITY MAP



NE 124TH ST
PROJECT
LOCATION

DOWNTOWN
PROJECT
LOCATION



719 Second Ave, Suite 1250
Seattle, WA 98104
(206) 382-9800
www.dksassociates.com

INDEX OF DRAWINGS

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SHEET:
1 OF 36
SCALE:
NTS
FILENAME:
CV01

GENERAL NOTES:

1.

ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY STANDARDS, WSDOT/APWA STANDARD PLANS, CURRENT WSDOT STANDARD SPECIFICATIONS, LATEST AMENDMENTS TO THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND THESE PLANS.
2.

UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION AND DIRECTIONAL BORING. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
3.

ALL NEW METAL CONDUIT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH NEC REQUIREMENTS AND WSDOT STANDARD PLAN J-60.05-01 (TYPICAL GROUNDING DETAILS).
4.

CONDUITS AND JUNCTION BOX LOCATIONS ARE SCHEMATIC. VERIFY FINAL LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.
5.

ALL NEW JUNCTION BOXES SHALL HAVE SKID-RESISTANT LID SURFACE.
6.

PROPOSED CONDUITS PLACE BENEATH ROADWAYS AND SHOULDER AREAS SHALL BE SCHEDULE 80 PVC. PROPOSED CONDUITS PLACED IN ALL OTHER AREAS SHALL BE SCHEDULE 40 PVC. DIRECTIONAL BORED CONDUITS SHALL BE HDPE.
7.

ALL PEDESTRIAN PUSH BUTTONS SHALL BE ACCESSIBLE APS TYPE AND CONFORM TO THE CONTRACT SPECIFICATIONS. PUSH BUTTONS SHALL BE MOUNTED PER MANUFACTURER'S SPECIFICATIONS.
8.

ALL NEW CONDUCTOR(S) SHALL BE PERMANENTLY LABELED IN EACH JUNCTION BOX, CABINET, AND TERMINAL CABINET.
9.

ALL NEW TRAFFIC SIGNAL, PEDESTRIAN HEADS, AND PUSH BUTTONS SHALL BE SECURELY COVERED WHILE NOT IN OPERATION.
10.

NEW CONDUITS SHALL SHARE THE SAME TRENCH WITH OTHER NEW UTILITIES WHEREVER PRACTICABLE.
11.

CONTRACTOR SHALL MAINTAIN THE EXISTING OR HIGHER LIGHTING LEVELS UNTIL NEW FIXTURES ARE INSTALLED AND OPERATIONAL.
12.

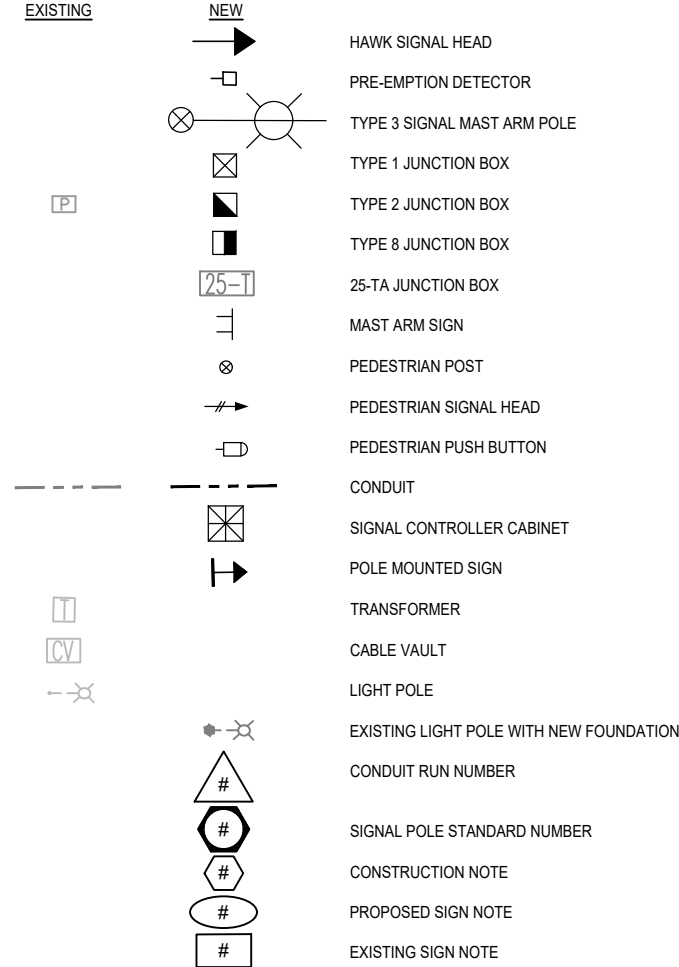
CONDUIT BENDS AND SWEEPS FOR FIBER CONDUIT RUNS SHALL NOT EXCEED 3-FEET MINIMUM RADIUS.
13.

NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR 90 DEGREE BENDS OR 360 DEGREES TOTAL. THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL JUNCTION BOXES AS REQUIRED.
14.

SIGNAL POLE AND CABINET FOUNDATIONS SHALL BE CLASS 4000P CONCRETE.
15.

ALL PROPOSED SIGNAL POLE FOUNDATIONS SHALL INCLUDE A CONCRETE PAD AROUND THE FOUNDATION, PROPOSED OR EXISTING SIDEWALK SHALL BE CONSIDERED PART OF THE FOUNDATION PAD. FOUNDATION PAD SHALL BE AT LEAST 2 FEET OFFSET FROM THE SIGNAL POLE FOUNDATION, AS SPACE ALLOWS.

SIGNAL PLAN LEGEND:



ABBREVIATIONS:

ROW	RIGHT OF WAY
PSE	PUGET SOUND ENERGY
HAWK	HIGH INTENSITY ACTIVATED CROSSWALK
APS	ACCESSIBLE PEDESTRIAN SIGNAL
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
HDPE	HIGH DENSITY POLYETHYLENE PIPE
NEC	NATIONAL ELECTRICAL CODE
PED	PEDESTRIAN
PPB	PEDESTRIAN PUSH BUTTON
PS	PEDESTRIAN SIGNAL STANDARD
RRFB	RECTANGULAR RAPID FLASHING BEACON
STD	STANDARD
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS
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NO.	DATE	BY	APPR.	REVISION



1/23/24

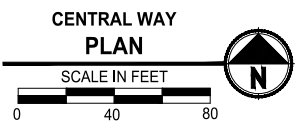
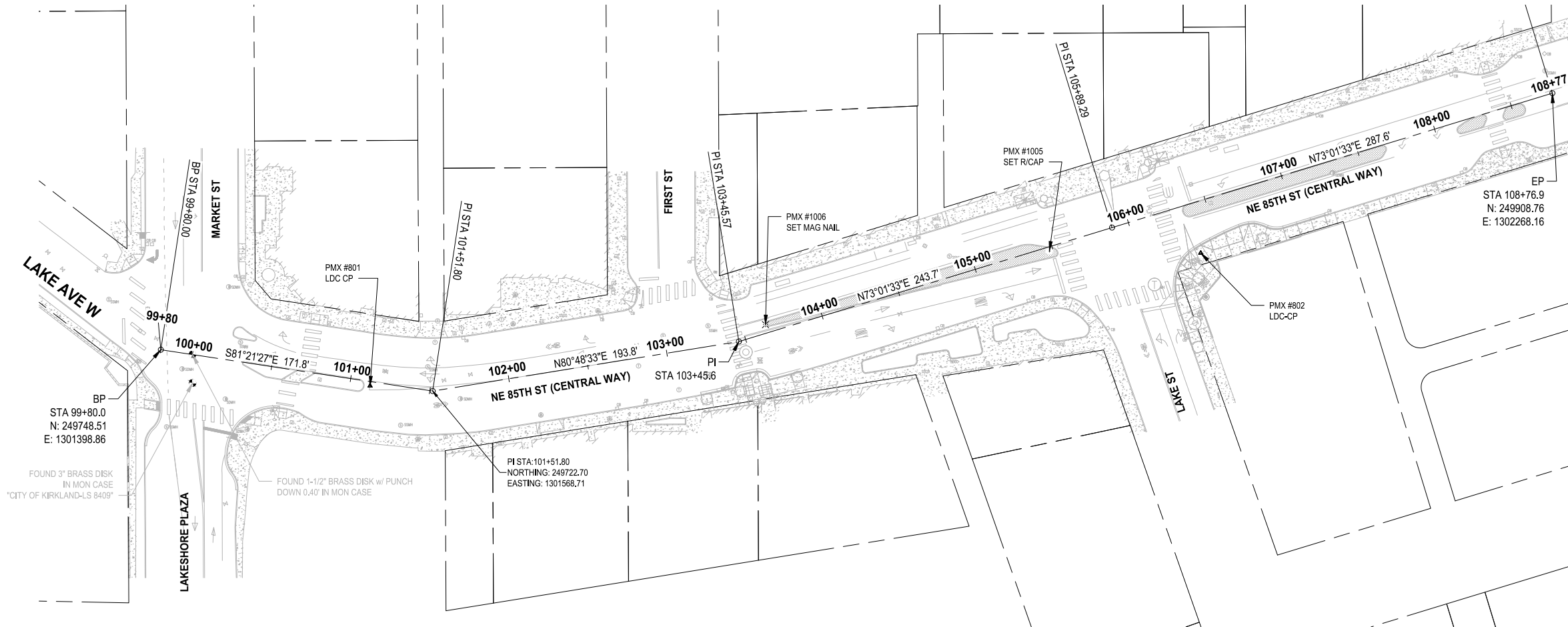


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T. CHUDGAR	1-23-24
DESIGNED BY:	DATE
R. SNELLINGS	1-23-24
DRAWN BY:	DATE
J. LIU	1-23-24
CHECKED BY:	DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
GENERAL NOTES & LEGEND

SHEET:	2	OF	36
SCALE:	NTS		
FILENAME:	GN01		



HORIZONTAL & VERTICAL DATUM:

HORIZONTAL & VERTICAL DATUM FOR THIS SURVEY IS BASED OFF POINTS 801-803 FROM PREVIOUS MAPPING DONE BY LDC.

SURVEY NOTES:

1. THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN APRIL, 2022.
2. CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
3. THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.
4. NO INVERT STRUCTURE ELEVATIONS SHOWN HEREON PER SCOPE.
5. NO UNDERGROUND UTILITIES WERE MARKED IN FIELD PER SCOPE.
6. BOUNDARY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION PROVIDED BY THE KING COUNTY ASSESSOR'S OFFICE.
7. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH MAY REVEAL RESTRICTIONS OR EASEMENTS OF RECORD. ACCORDINGLY, NONE ARE SHOWN HEREON.

PARAMETRIX CONTROL TABLE

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
801	249725.99	1301529.59	35.92	LDC-CP
802	249808.92	1302048.54	34.33	LDC-CP
1005	249810.15	1301953.96	35.01	SET R/CAP
1006	249764.19	1301776.63	35.48	SET MAG NAIL

LEGEND:

— — — — — RIGHT-OF-WAY

FINAL SUBMITTAL



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12/18/2023

Parametrix

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S. SIDDIQUI 10-27-23
DESIGNED BY: DATE

S. SIDDIQUI 10-27-23
DRAWN BY: DATE

D. SUSLIKOV 10-27-23
CHECKED BY: DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
SURVEY CONTROL PLANS

SHEET:

3 OF 36

SCALE:

1" = 40'

FILENAME:

SC01

HORIZONTAL DATUM (WSRN):

HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(91), WASHINGTON STATE PLANE NORTH ZONE COORDINATE SYSTEM, U.S. SURVEY FEET, BASED ON THE WASHINGTON STATE REFERENCE NETWORK (WSRN) WITH VERIFICATION TIE TO THE FOLLOWING MONUMENT PUBLISHED BY THE CITY OF KIRKLAND

POINT DESIGNATION: 51 (PMX# 501)
NORTHING: 262461.716
EASTING: 1302053.733

VERTICAL DATUM (WSRN):

VERTICAL DATUM FOR THIS SURVEY IS NAVD 88 BASED ON THE WASHINGTON STATE REFERENCE NETWORK (WSRN) WITH VERIFICATION TIES TO THE FOLLOWING MONUMENT PUBLISHED BY CITY OF KIRKLAND

POINT DESIGNATION: 51
ELEV.: 77.872

SURVEY NOTES:

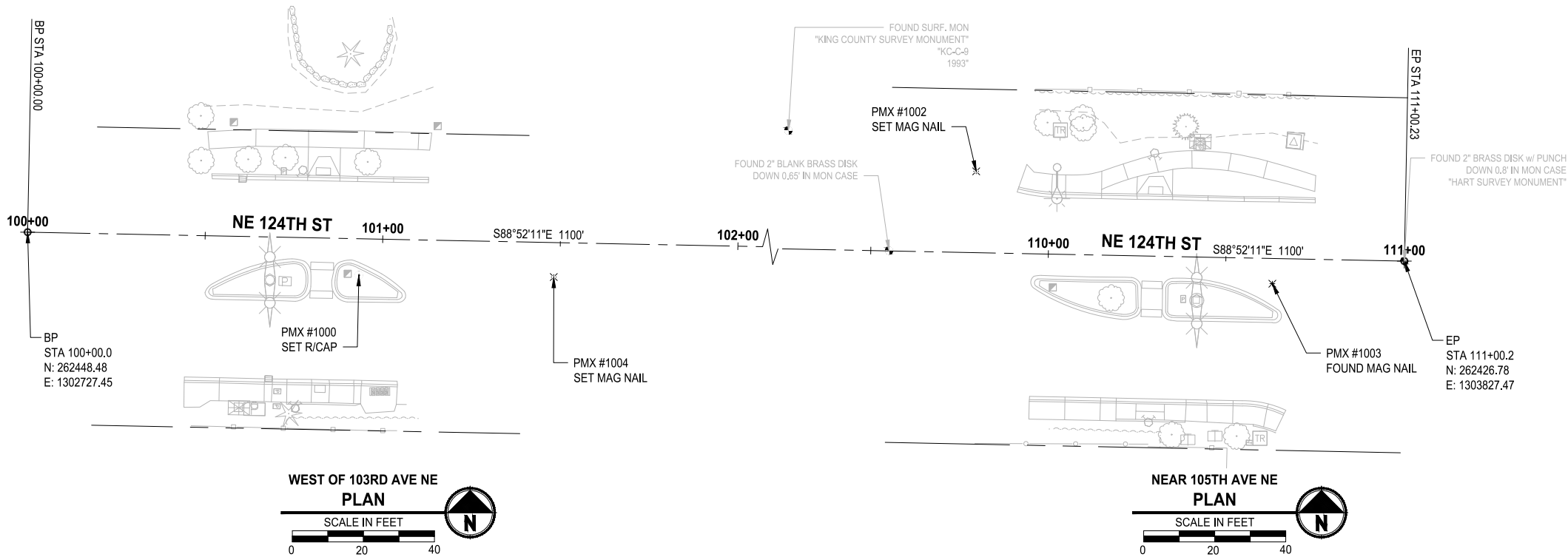
1. THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN MARCH, 2022.
2. CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
3. THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.
4. NO INVERT STRUCTURE ELEVATIONS SHOWN HEREON PER SCOPE.
5. NO UNDERGROUND UTILITIES WERE MARKED IN FIELD PER SCOPE.
6. BOUNDARY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION PROVIDED BY THE KING COUNTY ASSESSOR'S OFFICE.
7. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH MAY REVEAL RESTRICTIONS OR EASEMENTS OF RECORD. ACCORDINGLY, NONE ARE SHOWN HEREON.

PARAMETRIX CONTROL TABLE

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	262436.37	1302820.70	123.41	SET R/CAP
1002	262452.06	1303706.95	163.74	SET MAG NAIL
1003	262420.41	1303790.33	164.45	FOUND MAG NAIL
1004	262435.84	1302875.58	126.48	SET MAG NAIL

LEGEND:

————— RIGHT-OF-WAY



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D. SUSLIKOV 10-27-23
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Downtown Kirkland and NE 124th Street
Pedestrian Safety
SURVEY CONTROL PLANS

SHEET:

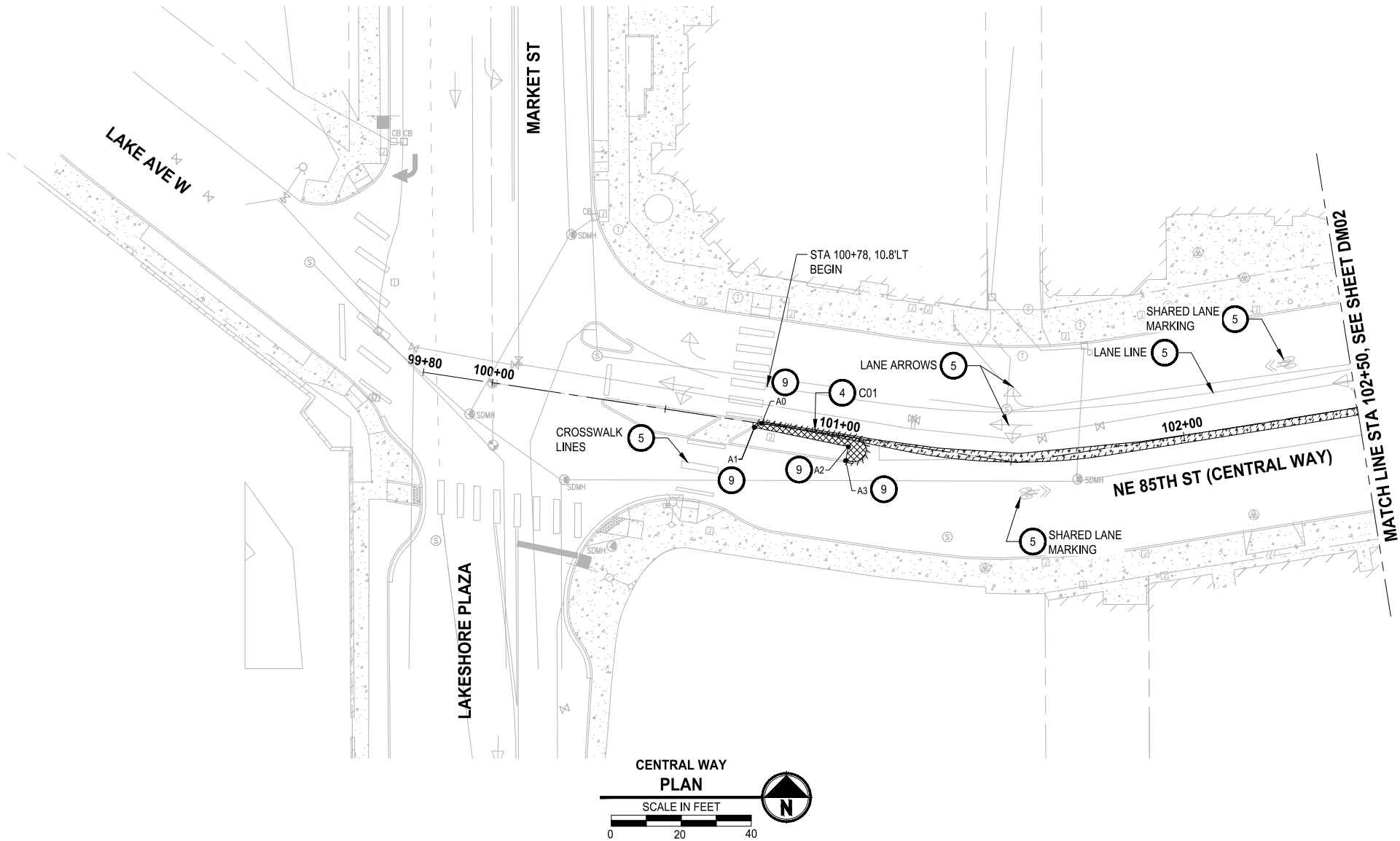
4 OF 36

SCALE:

1" = 20'

FILENAME:

SC02



GENERAL NOTES:

1. ASPHALT/ CONCRETE DEMOLITION LIMITS ARE APPROXIMATE. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY THE CONTRACTOR AND CITY CONSTRUCTION OBSERVER. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF FIELD MARKING PRIOR TO DEMOLITION ACTIVITIES.
2. CONTRACTOR TO PRESERVE AND PROTECT ALL EXISTING UTILITIES NOT MARKED FOR REMOVAL.
3. SEE SIGNAL PLANS FOR EXISTING SIGNAL AND PEDESTRIAN PUSH BUTTON REMOVALS OR ALTERATIONS AND CONDUIT SITE PREPARATION.
4. SEE ILLUMINATION PLANS FOR EXISTING ROADWAY AND PEDESTRIAN LIGHTING REMOVALS OR RELOCATIONS AND CONDUIT SITE PREPARATION.

DEMOLITION / TESC NOTES:

- 1 SAWCUT ASPHALT PAVEMENT OR CONCRETE SIDEWALK AT LOCATIONS SHOWN. SEE POINT TABLES, SHEET DM-04.
- 2 ADJUST MANHOLE OR VALVE TO FINISHED GRADE.
- 3 REMOVING CEMENT CONC. CURB AND GUTTER. SEE REMOVAL OF CURB SCHEDULE ON SHEET DM04.
- 4 REMOVING CEMENT CONC. CURB. SEE REMOVAL OF CURB SCHEDULE ON SHEET DM04.
- 5 REMOVE PAINT LINE, PLASTIC LINE, PAINTED TRAFFIC MARKING, TURN LANE MARKING, OR PAINTED CROSSWALK LINE.
- 6 ADJUST JUNCTION BOX TO FINISHED GRADE.
- 7 PROTECT EXISTING MAILBOX CLUSTER TO REMAIN.
- 8 RESTORE EXISTING LANDSCAPING.
- 9 REMOVE STAMPED CONCRETE MEDIAN ISLAND. SEE POINTS TABLES, SHEET DM-04 FOR LIMITS OF MEDIAN REMOVAL.

LEGEND:

- SAWCUT
- RIGHT-OF-WAY
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE SIDEWALK / MEDIAN
- REMOVE CURB AND GUTTER
- STORM DRAIN PROTECTION INSERT IN CATCH BASIN PER CITY OF KIRKLAND STANDARD DETAIL CK-E.11

FINAL SUBMITTAL



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
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12/18/2023

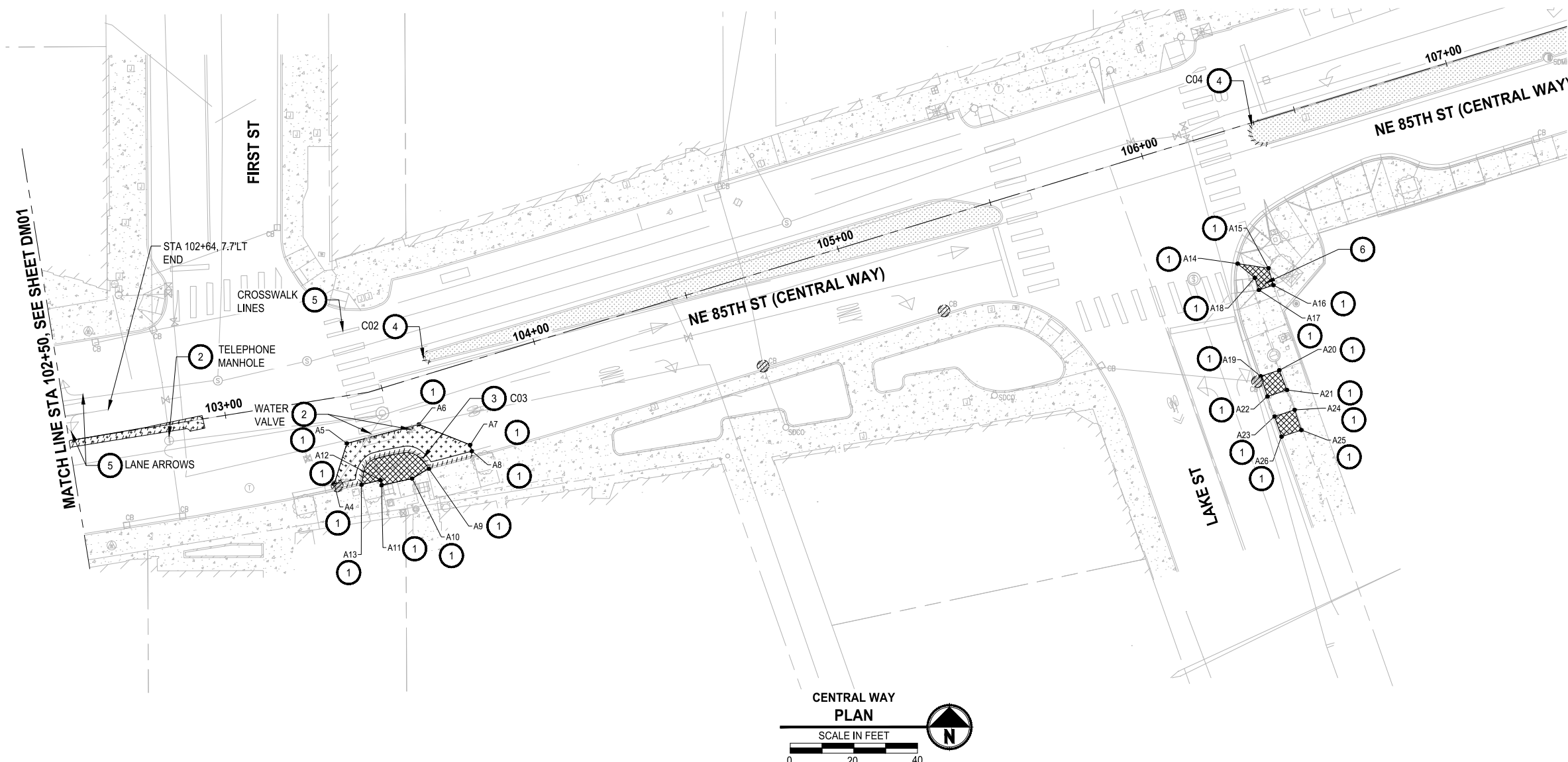
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S. SIDDIQUI 10-27-23
DRAWN BY: DATE
D. SUSLIKOV 10-27-23
CHECKED BY: DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
DEMOLITION/TESC PLANS

SHEET:
5 OF 36
SCALE:
1" = 20'
FILENAME:
DM01



- GENERAL NOTES:**
1. ASPHALT/ CONCRETE DEMOLITION LIMITS ARE APPROXIMATE. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY THE CONTRACTOR AND CITY CONSTRUCTION OBSERVER. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF FIELD MARKING PRIOR TO DEMOLITION ACTIVITIES.
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- LEGEND:**
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 - REMOVE CONCRETE SIDEWALK / MEDIAN
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FINAL SUBMITTAL

GENERAL NOTES:

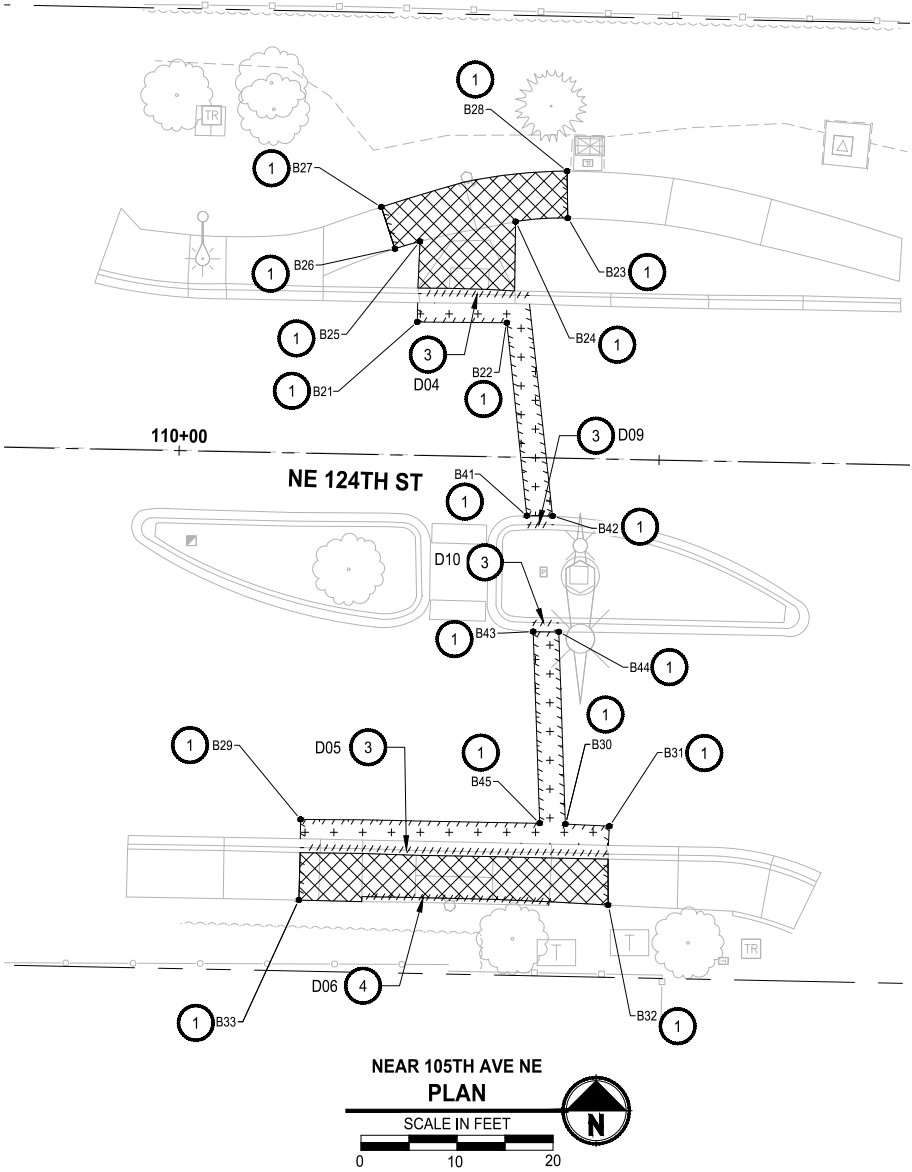
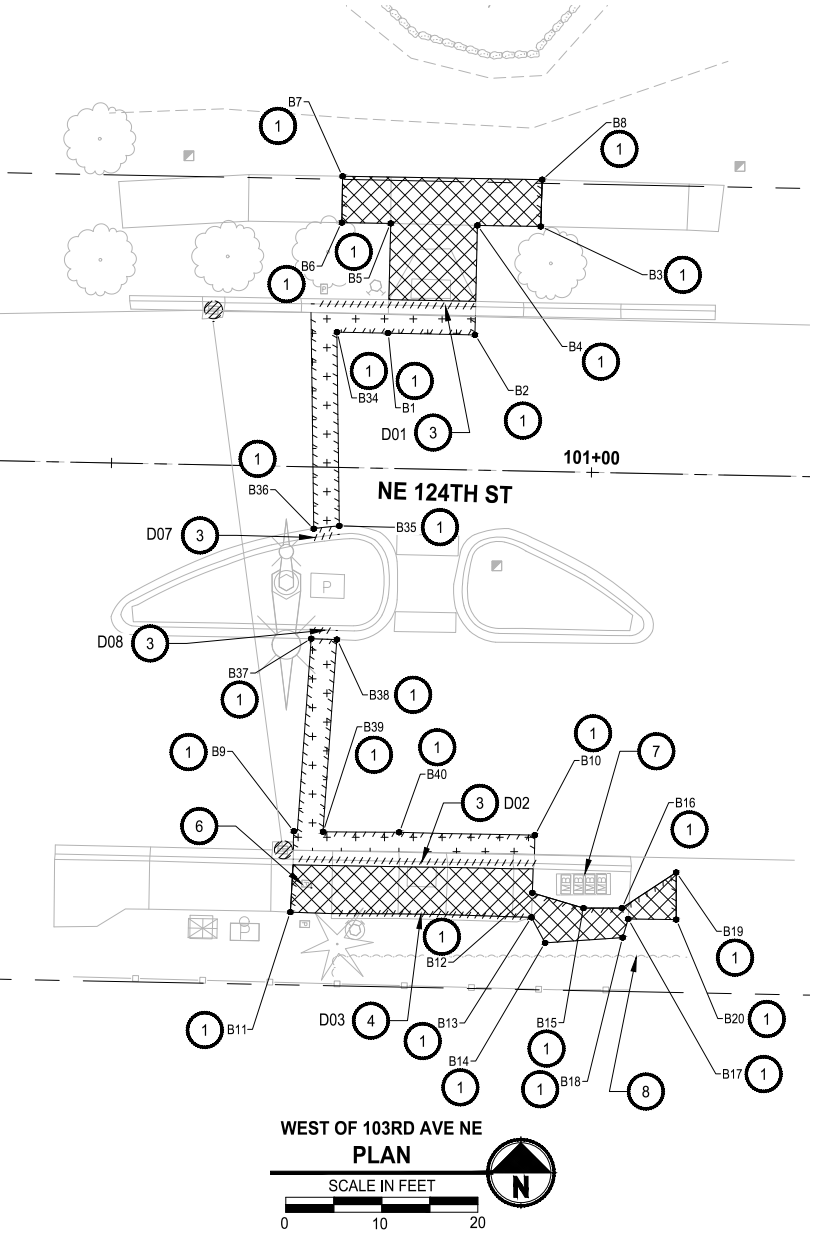
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- RIGHT-OF-WAY
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Downtown Kirkland and NE 124th Street
Pedestrian Safety
DEMOLITION/TESC PLANS

SHEET:

7 OF 36

SCALE:

1" = 10'

FILENAME:

DM03

CENTRAL WAY

SAWCUT GRADING POINTS		
POINT NO.	STATION	OFFSET
A0	100+77.8	0.1' LT
A1	100+76.0	1.3' RT
A2	101+03.4	2.8' RT
A3	101+03.1	6.8' RT
A4	103+30.3	26.9' RT
A5	103+36.3	14.8' RT
A6	103+57.8	14.3' RT
A7	103+71.3	25.2' RT
A8	103+71.3	27.2' RT
A9	103+56.7	28.6' RT
A10	103+50.8	30.0' RT
A11	103+44.9	29.6' RT
A12	103+44.9	27.9' RT
A13	103+38.8	28.4' RT
A14	106+18.8	41.1' RT
A15	106+27.7	45.3' RT
A16	106+27.6	50.9' RT
A17	106+22.8	51.0' RT
A18	106+22.7	47.0' RT
A19	106+15.4	77.1' RT

SAWCUT GRADING POINTS		
POINT NO.	STATION	OFFSET
A20	106+21.6	77.0' RT
A21	106+22.0	83.7' RT
A22	106+15.6	83.8' RT
A23	106+15.9	90.5' RT
A24	106+22.5	90.4' RT
A25	106+22.7	97.1' RT
A26	106+16.2	97.2' RT

CENTRAL WAY

REMOVAL OF CURB SCHEDULE				
ID NO.	BEGIN STN/OFF	END STN/OFF	QUANTITY (LF)	REMARKS
C01	100+75, 1.3' RT	101+03, 7.3' RT	44.8	CURB
C02	103+67, 7.0' LT	103+67, 3.5' LT	5.8	CURB
C03	103+32, 28.2' RT	103+71, 28.7' RT	50.0	CURB & GUTTER
C04	106+38, 0.3' LT	106+38, 7.9' RT	13.1	CURB

WEST OF 103RD AVE NE & NEAR 105TH AVE NE

SAWCUT GRADING POINTS		
POINT NO.	STATION	OFFSET
B1	100+78.5	14.1' LT
B2	100+87.6	14.1' LT
B3	100+94.2	25.5' LT
B4	100+87.6	25.5' LT
B5	100+78.6	25.5' LT
B6	100+73.5	25.5' LT
B7	100+73.5	30.3' LT
B8	100+94.3	30.4' LT
B9	100+69.7	38.0' RT
B10	100+94.8	37.9' RT
B11	100+69.5	46.4' RT
B12	100+94.7	43.9' RT
B13	100+94.7	46.5' RT
B14	100+96.1	49.1' RT
B15	101+00.1	45.4' RT
B16	101+04.1	45.3' RT
B17	101+04.7	46.4' RT
B18	101+04.2	48.4' RT
B19	101+09.6	41.5' RT
B20	101+09.7	46.4' RT

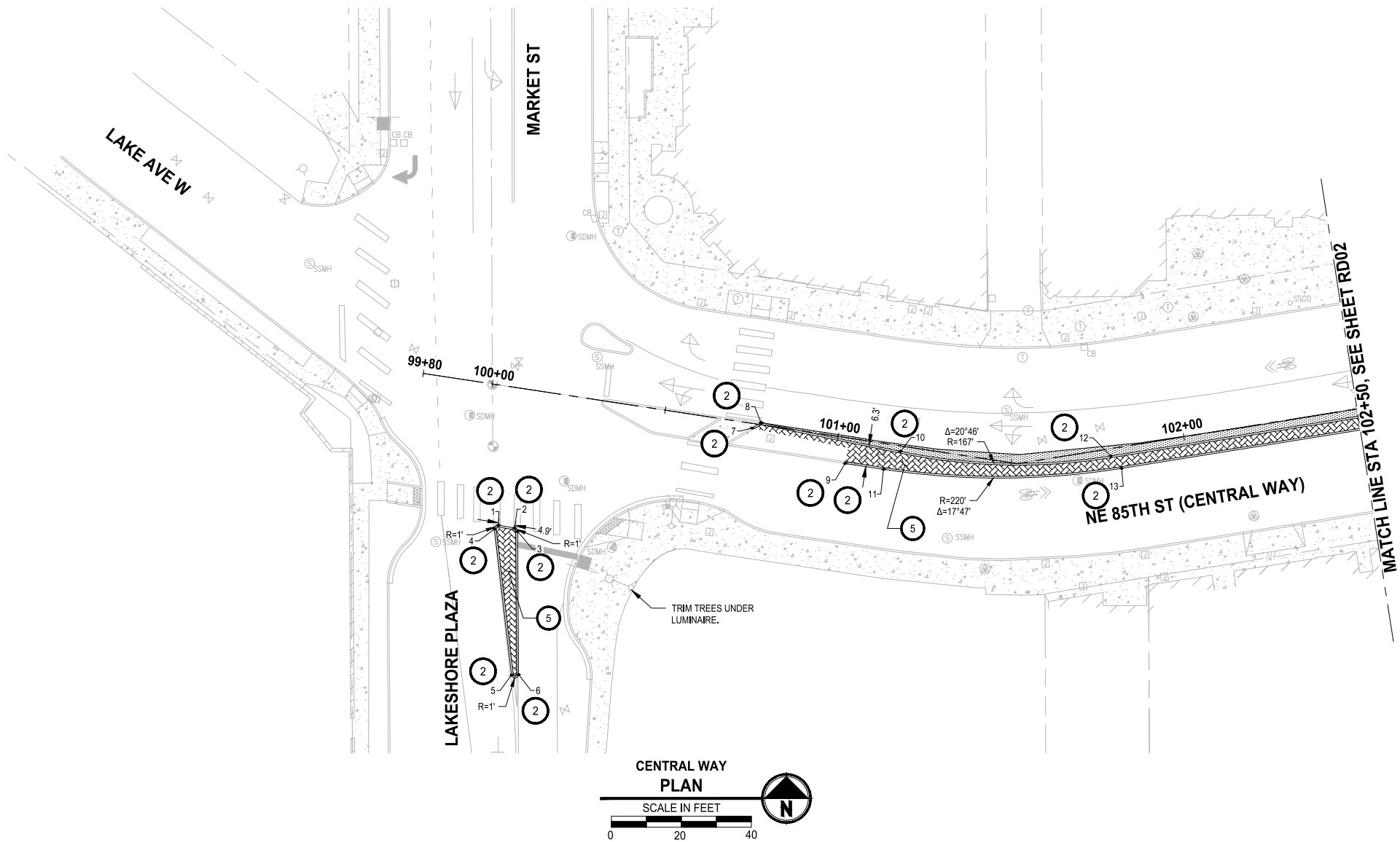
SAWCUT GRADING POINTS		
POINT NO.	STATION	OFFSET
B21	110+24.5	13.9' LT
B22	110+33.9	14.0' LT
B23	110+40.0	25.0' LT
B24	110+34.6	24.5' LT
B25	110+24.7	22.3' LT
B26	110+22.1	21.5' LT
B27	110+20.6	25.8' LT
B28	110+39.8	29.9' LT
B29	110+13.4	38.1' RT
B30	110+41.0	38.1' RT
B31	110+45.6	38.2' RT
B32	110+45.6	46.4' RT
B33	110+13.4	46.5' RT
B34	100+73.2	14.1' LT
B35	100+73.9	6.1' RT
B36	100+71.2	6.4' RT
B37	100+71.2	17.9' RT
B38	100+73.8	17.9' RT
B39	100+72.8	38.0' RT
B40	100+80.7	37.9' RT

SAWCUT GRADING POINTS		
POINT NO.	STATION	OFFSET
B41	110+36.3	6.1' RT
B42	110+39.0	6.0' RT
B43	110+37.2	18.1' RT
B44	110+39.9	18.1' RT
B45	110+38.3	38.1' RT

WEST OF 103RD AVE NE & NEAR 105TH AVE NE

REMOVAL OF CURB SCHEDULE				
ID NO.	BEGIN STN/OFF	END STN/OFF	QUANTITY (LF)	REMARKS
D01	100+70, 17.0' LT	100+88, 17.0' LT	17.2	CURB & GUTTER
D02	100+70, 40.9' RT	100+95, 40.8' RT	25.2	CURB & GUTTER
D03	100+74, 46.5' RT	100+95, 46.5' RT	21.0	CURB
D04	110+24, 16.9' LT	110+36, 16.9' LT	11.7	CURB & GUTTER
D05	110+13, 41.1' RT	110+46, 41.1' RT	32.1	CURB & GUTTER
D06	110+20, 46.1' RT	110+39, 46.2' RT	20.0	CURB
D07	100+71, 7.3' RT	100+74, 7.0' RT	2.7	CURB & GUTTER
D08	100+71, 17.0' RT	100+74, 17.0' RT	2.7	CURB & GUTTER
D09	110+36, 7.0' RT	110+39, 6.9' RT	2.7	CURB & GUTTER
D10	110+37, 17.2' RT	110+40, 17.2' RT	2.7	CURB & GUTTER

FINAL SUBMITTAL



TRAFFIC CURB CONSTRUCTION POINTS			
POINT NO.	STATION	OFFSET	POINT DESCRIPTION
1	100+07.8	39.7' RT	PT
2	100+12.4	39.8' RT	PC
3	100+13.4	40.6' RT	PT
4	100+06.8	41.0' RT	PC
5	100+17.9	81.5' RT	PT

TRAFFIC CURB CONSTRUCTION POINTS			
POINT NO.	STATION	OFFSET	POINT DESCRIPTION
6	100+19.9	81.1' RT	PC
7	100+75.3	1.3' RT	
8	100+77.6	0.6' LT	AP
9	101+03.1	7.3' RT	
10	101+18.2	1.5' RT	PC

TRAFFIC CURB CONSTRUCTION POINTS			
POINT NO.	STATION	OFFSET	POINT DESCRIPTION
11	101+14.2	7.3' RT	PC
12	101+78.5	2.1' RT	PT
13	101+81.0	6.1' RT	PT
14	102+87.1	2.2' RT	PC
15	102+87.5	4.5' RT	PT

GENERAL NOTES:

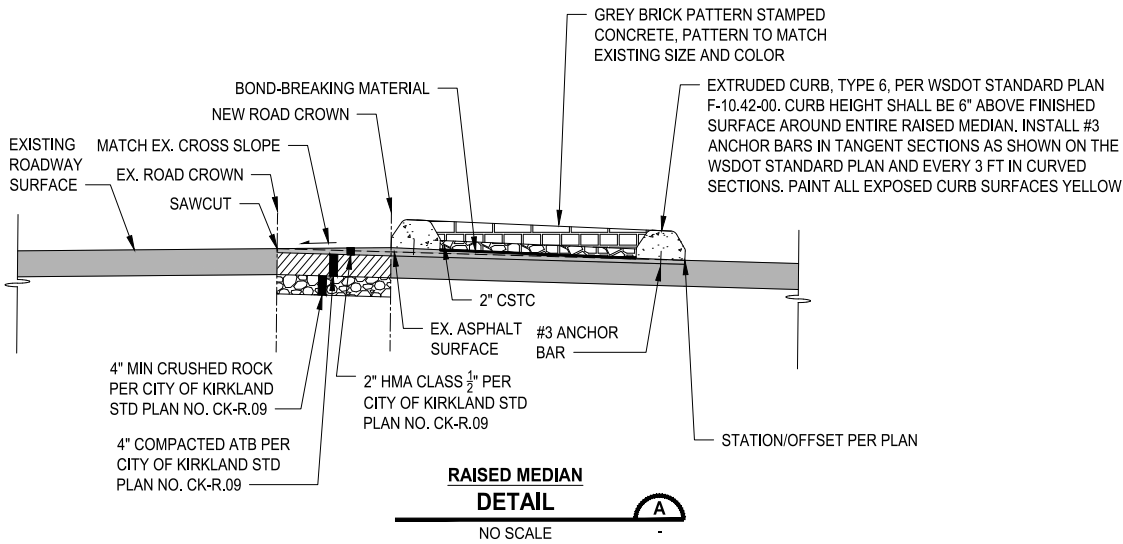
- SEE RAMP GRADING SHEETS FOR GRADING AND ADDITIONAL DETAILS AT CURB RAMP.
- ALL CALLOUTS FOR CURB/GUTTER ARE TO THE FLOWLINE.
- SEE DEMOLITION/TEC SHEETS FOR SAWCUTS AND ROADWAY PAVING LIMITS.

CONSTRUCTION NOTES:

- CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER, TYPE "A", PER CITY OF KIRKLAND STD PLAN NO. CK-R.17. SEE POINTS TABLE FOR CURB AND GUTTER INSTALLATION.
- CONSTRUCT CEMENT CONC. EXTRUDED CURB, TYPE 6, PER WSDOT STANDARD PLAN F-10.42-00. SEE POINTS TABLE FOR CURB INSTALLATION.
- CONSTRUCT CEMENT CONC. SIDEWALK, PER CITY OF KIRKLAND STD PLAN NO. CK-R.23. SEE DM SHEETS FOR LIMITS OF SIDEWALK CONSTRUCTION.
- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A, PER WSDOT STD PLAN F-40.12-03. SEE SHEET GR03 FOR GRADING DETAILS.
- CONSTRUCT STAMPED CONCRETE RAISED MEDIAN. SEE DETAIL A.
- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR B, PER WSDOT STD PLAN F-40.15-04. SEE SHEET GR SHEETS FOR GRADING DETAILS.
- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A, PER WSDOT STD PLAN F-40.12-03. SEE SHEET GR SHEETS FOR GRADING DETAILS.
- INSTALL MEDIAN LANDSCAPING.

LEGEND:

- STAMPED CONC. FOR MEDIAN ISLANDS
- CEMENT CONC. SIDEWALK
- LANDSCAPE AREA
- FULL-DEPTH ASPHALT RESTORATION, PER DETAIL A. SEE DM SHEETS FOR LIMITS OF ASPHALT RESTORATION.



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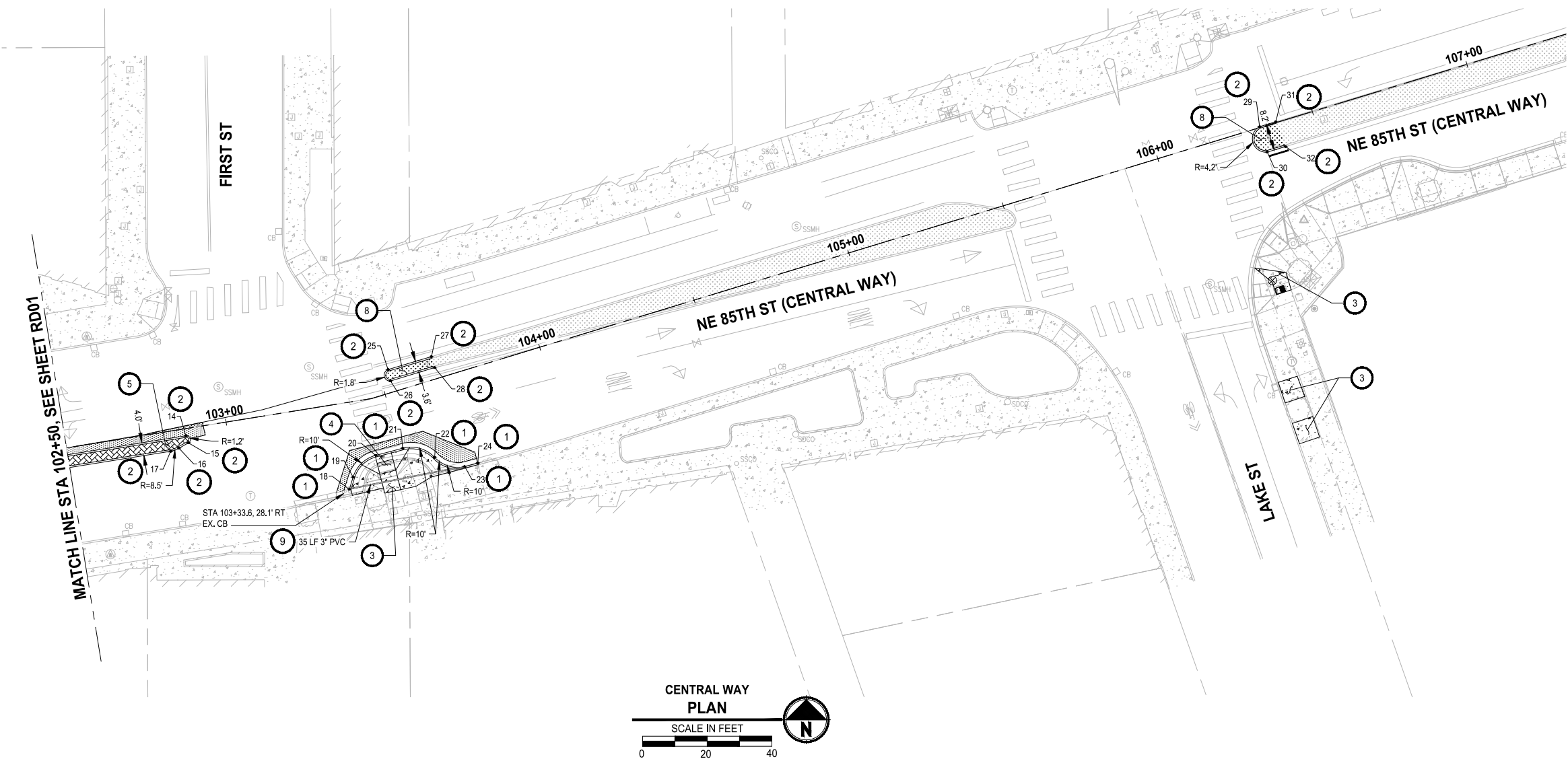
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S. SIDDIQUI 10-27-23
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D. SUSLIKOV 10-27-23
CHECKED BY: DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
ROADWAY PLANS

SHEET:
9 OF 36
SCALE:
1" = 20'
FILENAME:
RD01



GENERAL NOTES:

1. SEE RAMP GRADING SHEETS FOR GRADING AND ADDITIONAL DETAILS AT CURB RAMPS.
2. ALL CALLOUTS FOR CURB/GUTTER ARE TO THE FLOWLINE.
3. SEE DEMOLITION/TESS SHEETS FOR SAWCUTS AND ROADWAY PAVING LIMITS.

CONSTRUCTION NOTES:

1. CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER, TYPE "A", PER CITY OF KIRKLAND STD PLAN NO. CK-R.17. SEE POINTS TABLE FOR CURB AND GUTTER INSTALLATION.
2. CONSTRUCT CEMENT CONC. EXTRUDED CURB, TYPE 6, PER WSDOT STANDARD PLAN F-10.42-00. SEE POINTS TABLE FOR CURB INSTALLATION.
3. CONSTRUCT CEMENT CONC. SIDEWALK, PER CITY OF KIRKLAND STD PLAN NO. CK-R.23. SEE DM SHEETS FOR LIMITS OF SIDEWALK CONSTRUCTION.
4. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A, PER WSDOT STD PLAN F-40.12-03. SEE SHEET GR03 FOR GRADING DETAILS.
5. CONSTRUCT STAMPED CONCRETE RAISED MEDIAN. SEE DETAIL A.
6. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR B, PER WSDOT STD PLAN F-40.15-04. SEE SHEET GR SHEETS FOR GRADING DETAILS.
7. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A, PER WSDOT STD PLAN F-40.12-03. SEE SHEET GR SHEETS FOR GRADING DETAILS.
8. INSTALL MEDIAN LANDSCAPING.
9. INSTALL STORM DRAINAGE PIPE TO MATCH EX. CONDITIONS, LENGTH, SIZE, AND TYPE OF PIPE MATERIAL AS SPECIFIED IN THE PLAN.

LEGEND:

- STAMPED CONC. FOR MEDIAN ISLANDS
- CEMENT CONC. SIDEWALK
- LANDSCAPE AREA
- FULL-DEPTH ASPHALT RESTORATION, PER CITY OF KIRKLAND STD PLANS NO. CK-R.09 AND CK-R.12. SEE DM SHEETS FOR LIMITS OF ASPHALT RESTORATION.

TRAFFIC CURB CONSTRUCTION POINTS			
POINT NO.	STATION	OFFSET	POINT DESCRIPTION
16	102+84.3	5.7' RT	PC
17	102+81.7	6.2' RT	PT
18	103+34.4	26.6' RT	
19	103+36.1	23.1' RT	PC
20	103+44.1	17.6' RT	PT

TRAFFIC CURB CONSTRUCTION POINTS			
POINT NO.	STATION	OFFSET	POINT DESCRIPTION
21	103+50.4	17.5' RT	PC
22	103+58.9	23.1' RT	PCC
23	103+67.0	28.5' RT	PT
24	103+71.2	28.7' RT	
25	103+53.1	7.1' LT	PC

TRAFFIC CURB CONSTRUCTION POINTS			
POINT NO.	STATION	OFFSET	POINT DESCRIPTION
26	103+52.8	3.5' LT	PT
27	103+67.1	7.0' LT	
28	103+67.1	3.5' LT	
29	106+33.0	0.3' LT	PC
30	106+32.9	7.9' RT	PT

TRAFFIC CURB CONSTRUCTION POINTS			
POINT NO.	STATION	OFFSET	POINT DESCRIPTION
31	106+38.2	0.3' LT	
32	106+38.8	7.9' RT	

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ROADWAY PLANS

SHEET:	10 OF 36
SCALE:	1" = 20'
FILENAME:	RD02

GENERAL NOTES:

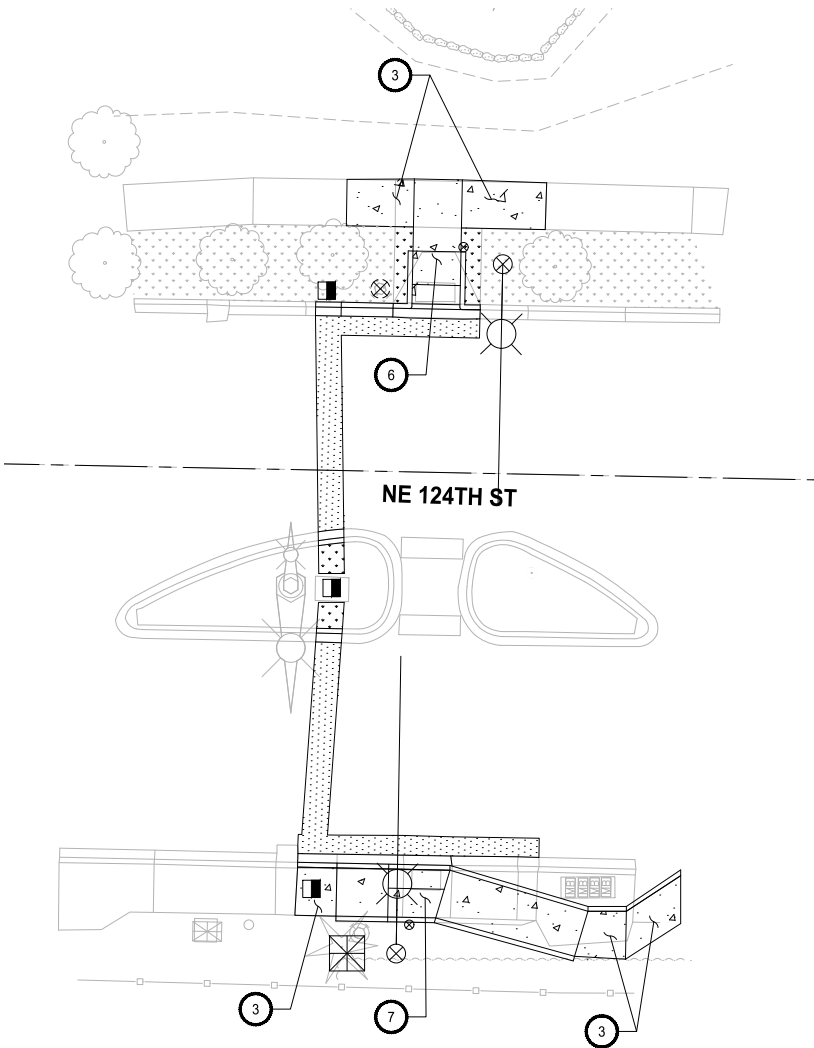
- 1. SEE RAMP GRADING SHEETS FOR GRADING AND ADDITIONAL DETAILS AT CURB RAMP.
- 2. ALL CALLOUTS FOR CURB/GUTTER ARE TO THE FLOWLINE.
- 3. SEE DEMOLITION/TESC SHEETS FOR SAWCUTS AND ROADWAY PAVING LIMITS.

CONSTRUCTION NOTES:

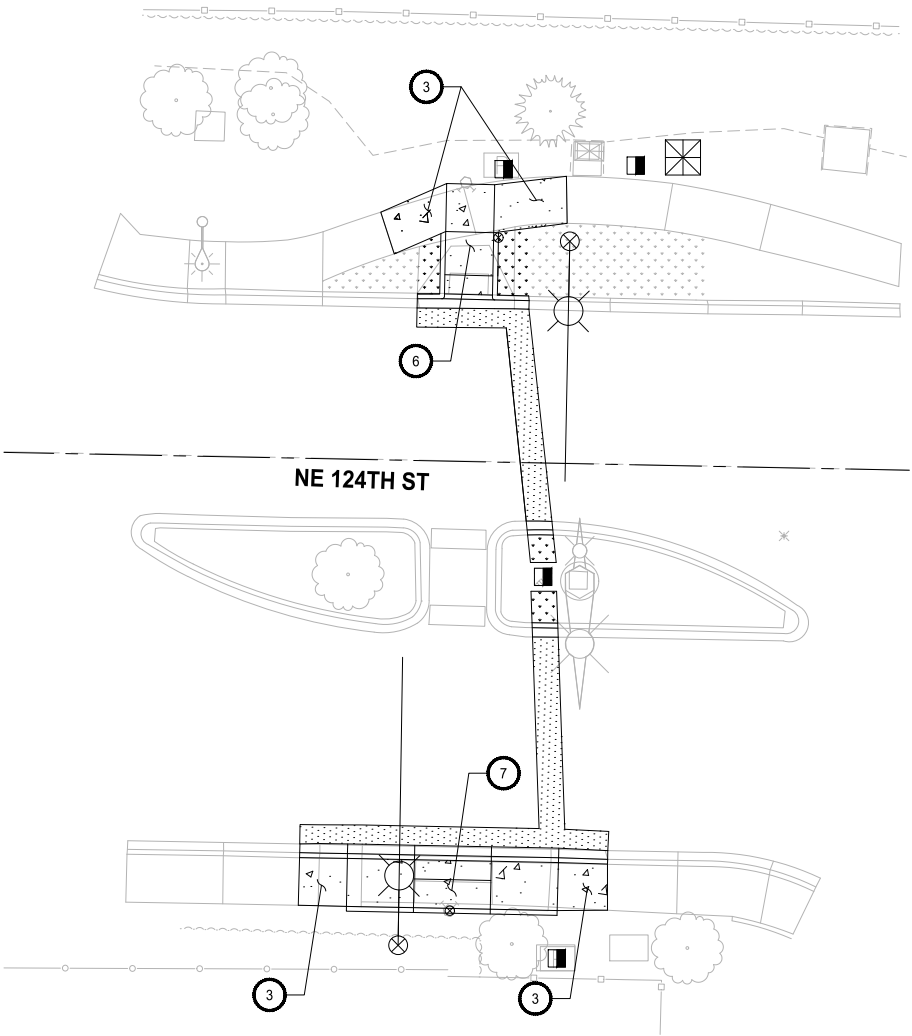
- 1. CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER, TYPE "A", PER CITY OF KIRKLAND STD PLAN NO. CK-R.17. SEE POINTS TABLE FOR CURB AND GUTTER INSTALLATION.
- 2. CONSTRUCT CEMENT CONC. EXTRUDED CURB, TYPE 6, PER WSDOT STANDARD PLAN F-10.42-00. SEE POINTS TABLE FOR CURB INSTALLATION.
- 3. CONSTRUCT CEMENT CONC. SIDEWALK, PER CITY OF KIRKLAND STD PLAN NO. CK-R.23. SEE DM SHEETS FOR LIMITS OF SIDEWALK CONSTRUCTION.
- 4. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A, PER WSDOT STD PLAN F-40.12-03. SEE GR SHEETS FOR GRADING DETAILS.
- 5. CONSTRUCT STAMPED CONCRETE RAISED MEDIAN. SEE DETAIL A.
- 6. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR B, PER WSDOT STD PLAN F-40.15-04. SEE SHEET GR SHEETS FOR GRADING DETAILS.
- 7. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A, PER WSDOT STD PLAN F-40.12-03. SEE SHEET GR SHEETS FOR GRADING DETAILS.

LEGEND:

- STAMPED CONC. FOR MEDIAN ISLANDS
- CEMENT CONC. SIDEWALK
- LANDSCAPE AREA
- FULL-DEPTH ASPHALT RESTORATION, PER CITY OF KIRKLAND STD PLANS NO. CK-R.09 AND CK-R.12. SEE DM SHEETS FOR LIMITS OF ASPHALT RESTORATION.



WEST OF 103RD AVE NE
PLAN
SCALE IN FEET
0 10 20



NEAR 105TH AVE NE
PLAN
SCALE IN FEET
0 10 20

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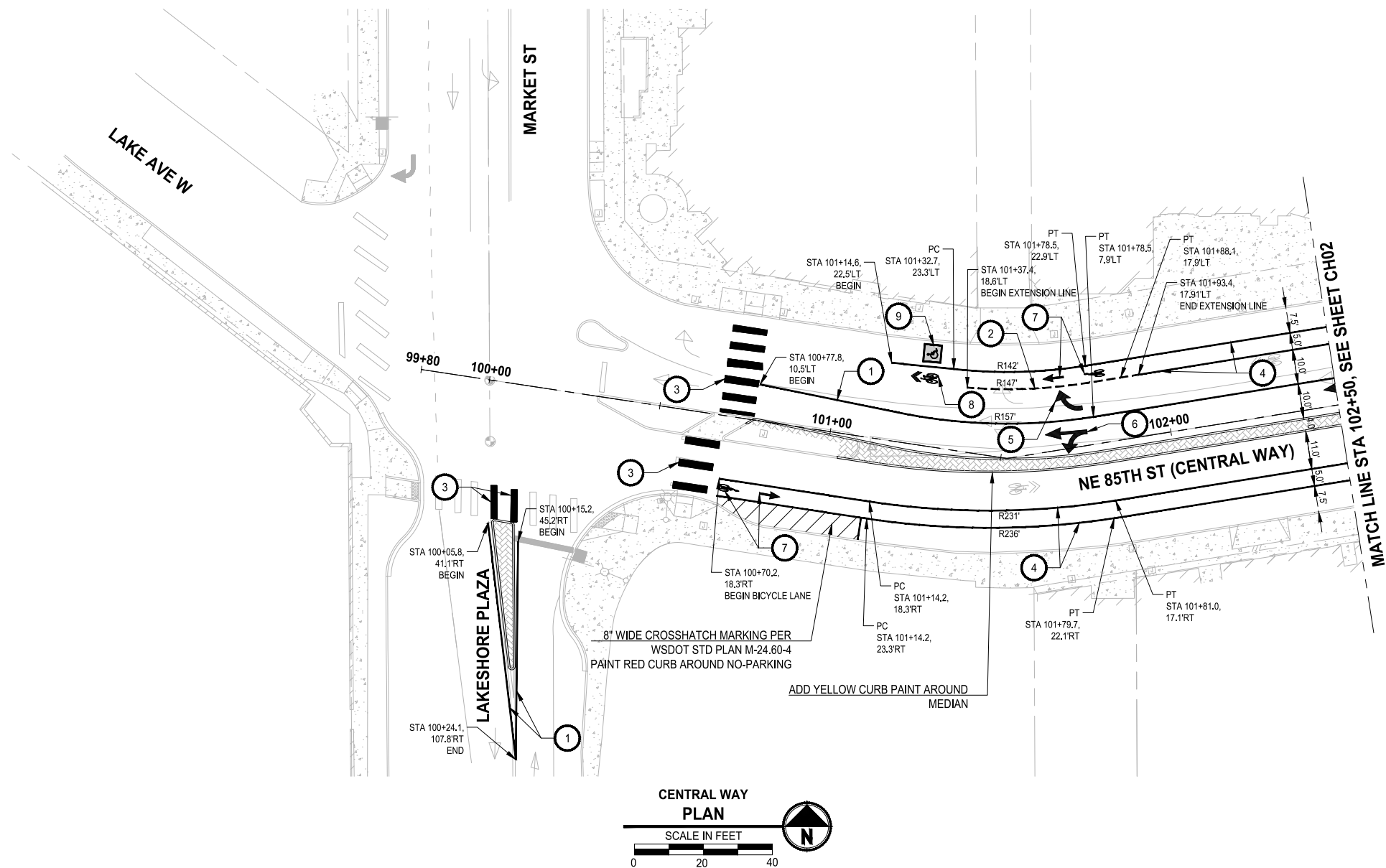
S. SIDDIQUI 10-27-23
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S. SIDDIQUI 10-27-23
DRAWN BY: DATE

D. SUSLIKOV 10-27-23
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Pedestrian Safety
ROADWAY PLANS

SHEET:	11 OF 36
SCALE:	1" = 10'
FILENAME:	RD03



CHANNELIZATION LEGEND:

- 1 ——— INSTALL WIDE LANE LINE PER WSDOT STD PLAN M-5.10-03 AND M-20.10-03.
- 2 - - - - - INSTALL WHITE DOTTED EXTENSION LINE PER WSDOT STD PLANS M-5.10-03 AND M-20.10-03.
- 3 ||||| INSTALL OR REFRESH ALL CROSSWALK BARS, PER CITY OF KIRKLAND STD PLAN CK-R.28.
- 4 ——— INSTALL BICYCLE LANE MARKING, PER CITY OF KIRKLAND STD PLAN CK-R.35.
- 5 ↗ INSTALL TYPE 2SR (RIGHT) TRAFFIC ARROW PER WSDOT STD DETAIL M-24.40-02.
- 6 ↖ INSTALL TYPE 3SL (LEFT) TRAFFIC ARROW PER WSDOT STD DETAIL M-24.40-02.
- 7 ↗ INSTALL BICYCLE LANE MARKING, PER CITY OF KIRKLAND STD PLAN CK-R.34.
- 8 ⇄ INSTALL SHARED LANE MARKING, PER CITY OF KIRKLAND STD PLAN CK-R.46.
- 9 [Handicap Symbol] INSTALL HANDICAP MARKING, PER CITY OF KIRKLAND STD PLAN CK-R.33 AND WSDOT STD PLAN M-24.60-04.

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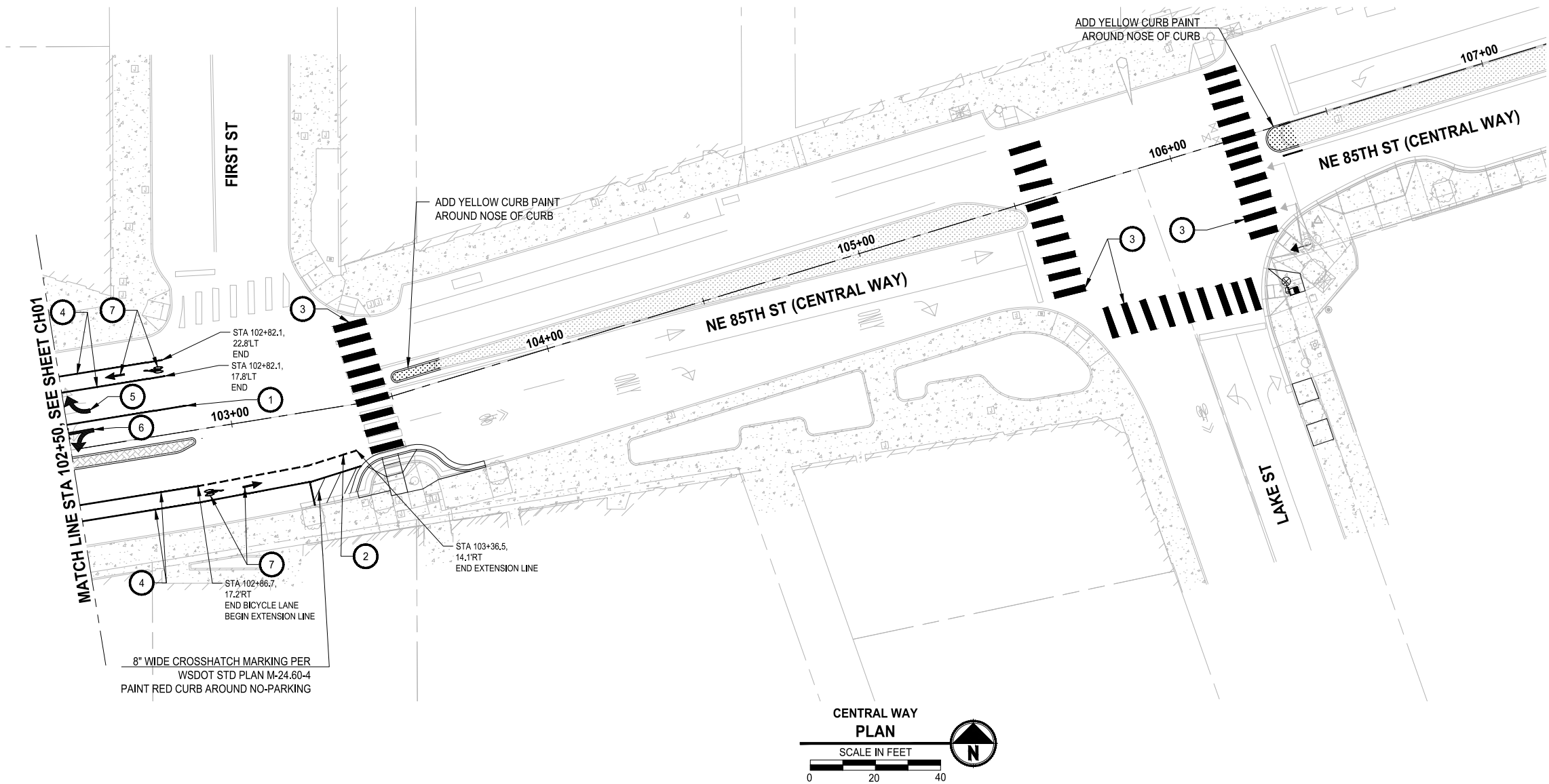


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D. SUSLIKOV	10-27-23
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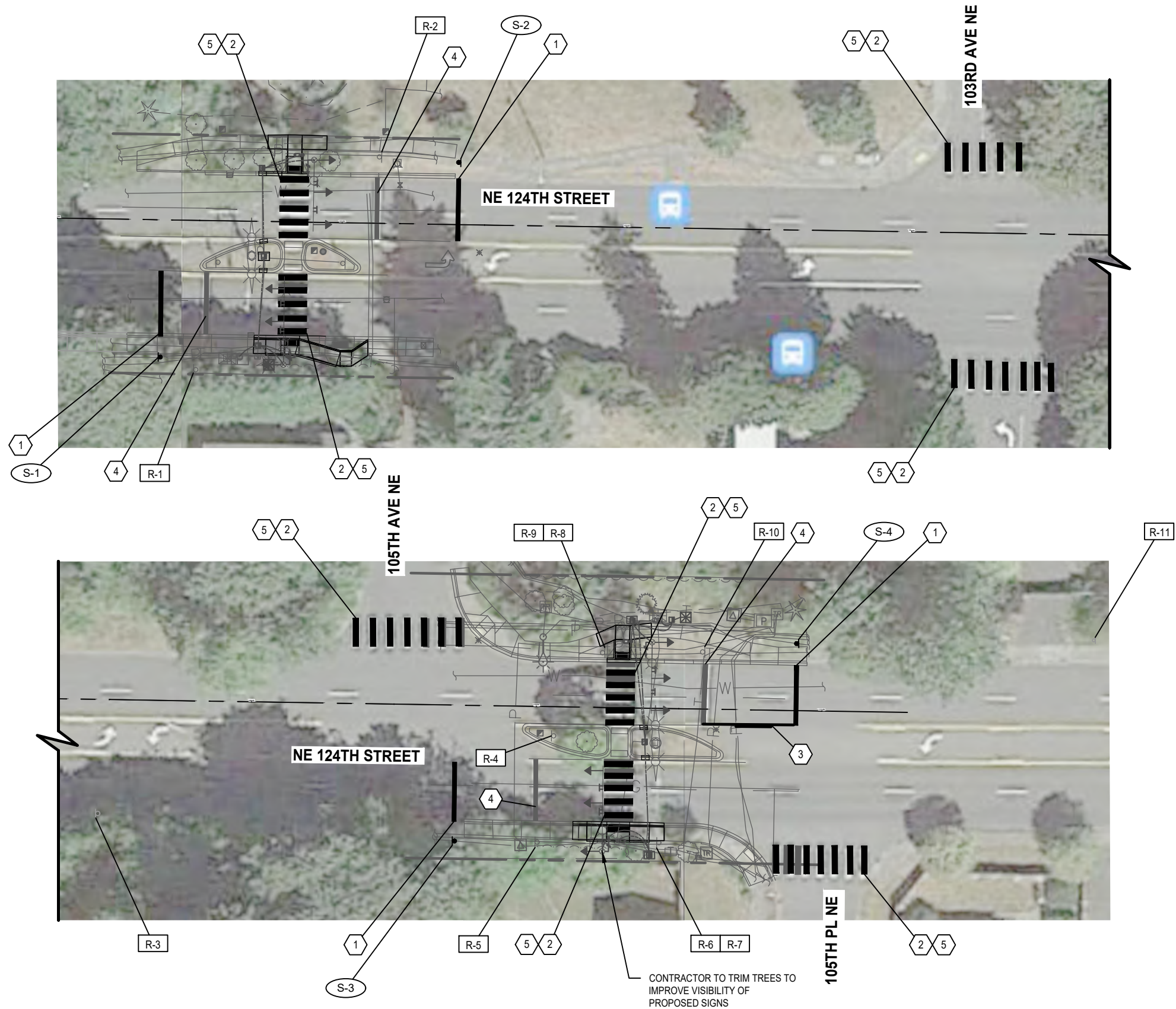
Downtown Kirkland and NE 124th Street
Pedestrian Safety
CHANNELIZATION PLANS

SHEET:	12 OF 36
SCALE:	1" = 20'
FILENAME:	CH01



- CHANNELIZATION LEGEND:**
- 1. INSTALL WIDE LANE LINE PER WSDOT STD PLAN M-5.10-03 AND M-20.10-03.
 - 2. INSTALL WHITE DOTTED EXTENSION LINE PER WSDOT STD PLANS M-5.10-03 AND M-20.10-03.
 - 3. INSTALL OR REFRESH ALL CROSSWALK BARS, PER CITY OF KIRKLAND STD PLAN CK-R.28.
 - 4. INSTALL BICYCLE LANE MARKING, PER CITY OF KIRKLAND STD PLAN CK-R.35.
 - 5. INSTALL TYPE 2SR (RIGHT) TRAFFIC ARROW PER WSDOT STD DETAIL M-24.40-02.
 - 6. INSTALL TYPE 3SL (LEFT) TRAFFIC ARROW PER WSDOT STD DETAIL M-24.40-02.
 - 7. INSTALL BICYCLE LANE MARKING, PER CITY OF KIRKLAND STD PLAN CK-R.34.
 - 8. INSTALL SHARED LANE MARKING, PER CITY OF KIRKLAND STD PLAN CK-R.46.
 - 9. XX. INSTALL THERMOPLASTIC LETTERING, PER WSDOT STD PLAN M-80.30-00 AND M-80.10-01.
 - 10. [Handicap symbol]. INSTALL HANDICAP MARKING, PER CITY OF KIRKLAND STD PLAN CK-R.33 AND WSDOT STD PLAN M-24.60-04.

FINAL SUBMITTAL



GENERAL NOTES:

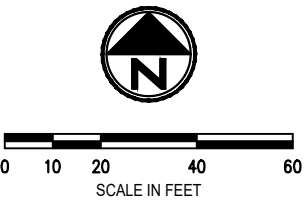
1. SEE SIGNAL PLANS FOR SIGNAL POLE AND MAST ARM MOUNTED SIGNS.
2. ALL SIGNS SHALL BE INSTALLED PER CITY OF KIRKLAND PLAN CK-R.43.

CONSTRUCTION NOTES:

- 1 STOP BAR PER CITY OF KIRKLAND STANDARD PLAN CK-R.28.
- 2 CROSSWALK PER CITY OF KIRKLAND STANDARD PLAN CK-R.28.
- 3 TWO WAY LEFT TURN DETAIL PER CITY OF KIRKLAND STANDARD PLAN CK-R.31.
- 4 REMOVE EXISTING STOP BAR.
- 5 REMOVE EXISTING CROSSWALK.

CHANNELIZATION AND SIGNING LEGEND:

EXISTING	NEW	
		SIGN POST WITH SIGN
		CONSTRUCTION NOTE
		SIGN NOTE
		SIGN REMOVAL NOTE



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Downtown Kirkland and NE 124th Street
Pedestrian Safety
CHANNELIZATION PLAN

SHEET:
14 OF 36
SCALE:
1" = 40'
FILENAME:
CH03

SIGN SCHEDULE

SIGN NO	ALIGNMENT	STATION	OFFSET	SIGN CODE	SIGN DESCRIPTION	SIZE		REMARKS
						X (IN)	Y (IN)	
S-1	NE 124TH ST	100+36	46.9' RT	R10-6	STOP HERE ON RED	24	36	INSTALL SIGN ON POST PER CK-R.43
S-2	NE 124TH ST	101+40	21.8' LT	R10-6	STOP HERE ON RED	24	36	INSTALL SIGN ON POST PER CK-R.43
S-3	NE 124TH ST	109+74	47.8' RT	R10-6	STOP HERE ON RED	24	36	INSTALL SIGN ON POST PER CK-R.43
S-4	NE 124TH ST	110+90	19.3' LT	R10-6	STOP HERE ON RED	24	36	INSTALL SIGN ON POST PER CK-R.43
R-1	-	-	-	-	STOP HERE FOR PEDESTRIANS	-	-	REMOVE SIGN AND POST
R-2	-	-	-	-	STOP HERE FOR PEDESTRIANS	-	-	REMOVE SIGN, MAINTAIN EXISTING POST
R-3	-	-	-	-	PEDESTRIAN CROSSING	-	-	REMOVE SIGN AND POST
R-4	-	-	-	-	PEDESTRIAN CROSSING	-	-	REMOVE SIGN AND POST
R-5	-	-	-	-	STOP HERE FOR PEDESTRIANS	-	-	REMOVE SIGN, MAINTAIN EXISTING POST
R-6	-	-	-	-	PEDESTRIAN CROSSING	-	-	REMOVE SIGNS AND POST
R-7	-	-	-	-	DIAGONAL DOWNWARD LEFT ARROW	-	-	
R-8	-	-	-	-	PEDESTRIAN CROSSING	-	-	REMOVE SIGNS AND POST
R-9	-	-	-	-	DIAGONAL DOWNWARD LEFT ARROW	-	-	
R-10	-	-	-	-	STOP HERE FOR PEDESTRIANS	-	-	REMOVE SIGN AND POST
R-11	-	-	-	-	PEDESTRIAN CROSSING	-	-	REMOVE SIGN AND POST

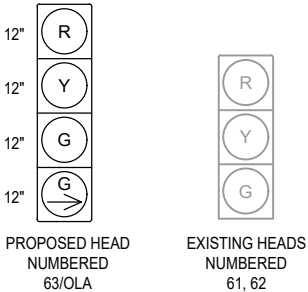
GENERAL NOTES:

- 1. UTILITY LOCATION (DIAL-A-DIG) PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- 2. ALL WORK SHALL BE IN CONFORMANCE WITH 2022 STATE OF WASHINGTON STANDARD PLANS AND SPECIFICATIONS, THESE PLANS AND THE SPECIAL PROVISIONS.
- 3. ALL JUNCTION BOXES AND CONDUIT RUNS SHALL BE INSTALLED AS SHOWN ON THE PLANS, LOCATIONS SHOWN ARE SCHEMATIC AND THE ENGINEER WILL PROVIDE EXACT LOCATIONS. SEE WSDOT STANDARD PLANS J-10, J-40.10-04, AND J-40.30-04.

CONSTRUCTION NOTES:

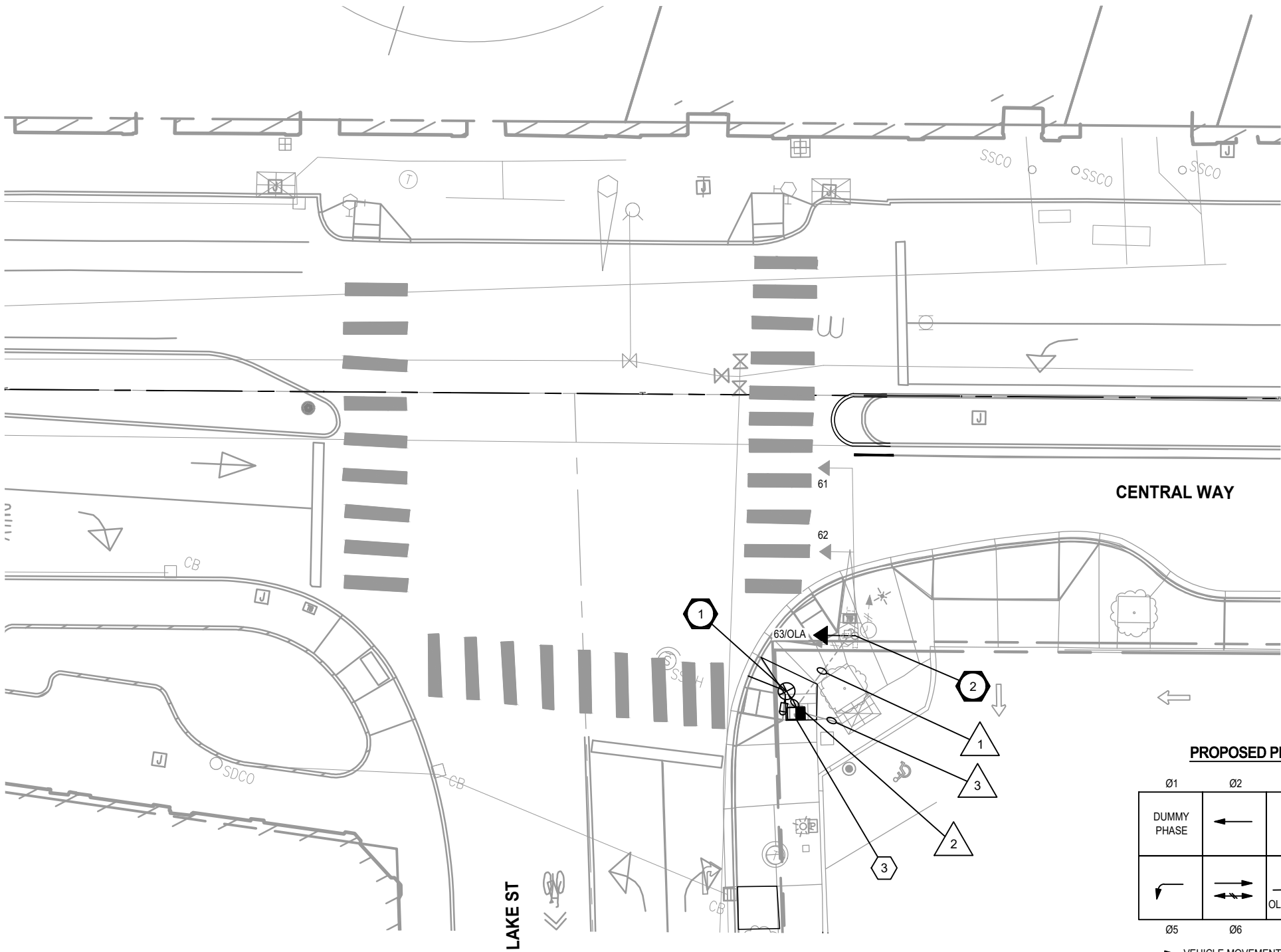
- 1. CONSTRUCT PPB POST FOUNDATION PER WSDOT STANDARD PLAN J-20.15-03. INSTALL RELOCATED PEDESTRIAN PUSHBUTTON. SEE POLE SCHEDULE ON SHEET SG2 FOR ADDITIONAL DETAILS.
- 2. FURNISH AND INSTALL SIGNAL HEAD ON EXISTING SIGNAL POLE BELOW EXISTING STREET NAME SIGN. REMOVE EXISTING PUSHBUTTON AND WIRING FROM SIGNAL POLE. REMOVE EXISTING TERMINAL CABINET ON SIGNAL POLE. INSTALL NEW TERMINAL CABINET WITH 7' VERTICAL CLEARANCE. RELOCATE EXISTING PEDESTRIAN PUSHBUTTON TO POLE 1.
- 3. REMOVE EXISTING JUNCTION BOX. FURNISH AND INSTALL TYPE 8 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.30-04. PROTECT EXISTING CONDUIT IN PLACE. MATCH FINISH GRADE.

SIGNAL DISPLAY

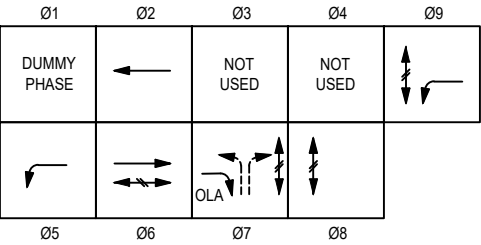


NOTES:

- 1. ALL NEW VEHICLE HEADS SHALL BE THE CONVENTIONAL TYPE WITH 12" LENSES AND ALUMINUM VISORS. ALL NEW VEHICLE HEADS SHALL HAVE LED LIGHT SOURCES. ALL NEW VEHICLE HEADS SHALL HAVE 5" ALUMINUM LOUVERED BACKPLATES AND SQUARE DOORS.
- 2. VEHICLE HEAD 63 SHALL BE INSTALLED ON TYPE "K" MOUNTING PER WSDOT STANDARD PLAN J-75.10-02.
- 3. PEDESTRIAN PUSHBUTTONS SHALL BE POLARA NAVIGATOR TYPE. SEE SHEET SG02 FOR SCHEDULE.
- 4. NEW VEHICLE HEAD BACKPLATES SHALL HAVE REFLECTIVE TAPE OUTLINE.



PROPOSED PHASE DIAGRAM



- VEHICLE MOVEMENT
- ↔ PEDESTRIAN MOVEMENT
- PERMISSIVE MOVEMENT



CENTRAL WAY & LAKE STREET INTERSECTION



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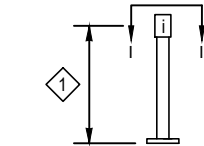
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R. SNELLINGS 1-23-24
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J. LIU 1-23-24
CHECKED BY: DATE


Downtown Kirkland and NE 124th Street
Pedestrian Safety
TRAFFIC SIGNAL PLAN

SHEET:
16 OF 36
SCALE:
1" = 20'
FILENAME:
SG01

SIGNAL STANDARD DETAIL CHART							
STD NO 	FIELD LOCATION					POLE TYPE	POLE ATTACHMENT POINT ANGLES (DEG)
	ALIGNMENT	STATION	OFFSET	LT	RT		I
1	CENTRAL WAY	106+23	46.4'		X	PPB	172



TYPE PPB POST

 HEIGHT OF PEDESTRIAN PUSH BUTTON: 42"

LEGEND

i. PPB ASSEMBLY

WIRE SCHEDULE

RUN NO	CONDUIT SIZE	SIGNAL 7C	PPB 2CS	GROUND #6	NOTES
1	EX	1			PROTECT ALL EXISTING WIRING
2	1"		1	1	
3	EX	1	1		PROTECT ALL EXISTING WIRING

PUSH BUTTON SCHEDULE *

CENTRAL WAY AND LAKE STREET					
PUSH BUTTON	PHASE	POLE *	ARROW DIRECTION	SIGN **	SPECIAL VOICE MESSAGE
68	6	1	LEFT	R10-3	NONE

* SEE POLE SCHEDULE FOR POLE MOUNTING LOCATION
** ARROW ON SIGN SHALL MATCH ARROW DIRECTION ON PPB

CENTRAL WAY & LAKE STREET INTERSECTION



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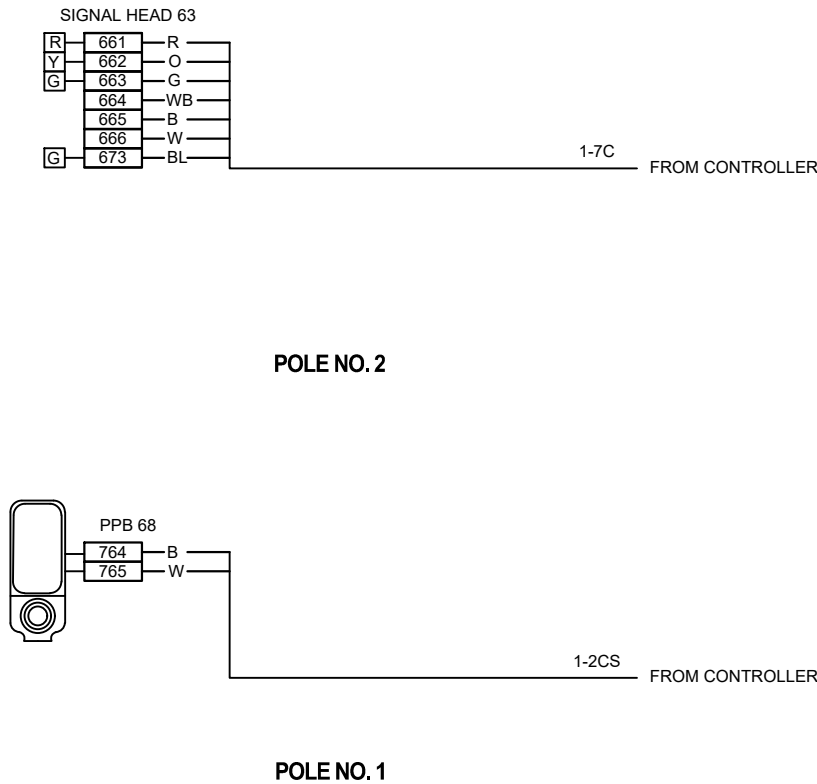
Downtown Kirkland and NE 124th Street
Pedestrian Safety
SIGNAL SCHEDULES & DETAILS

SHEET: 17 OF 36

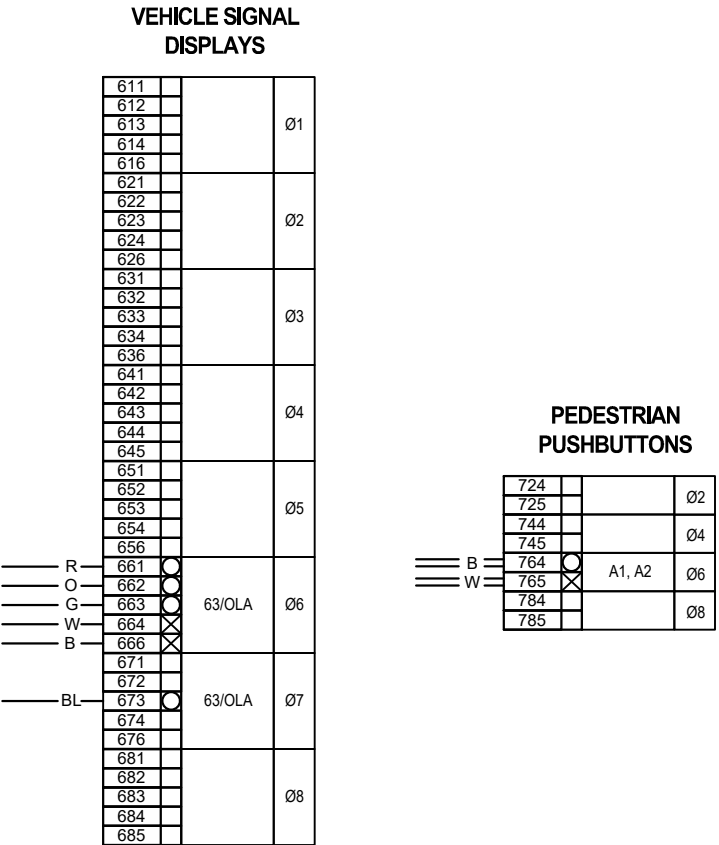
SCALE: NTS

FILENAME: SG02

FIELD WIRE TERMINATIONS
ONLY NEW AND REASSIGNED WIRING SHOWN



CONTROLLER TERMINATIONS



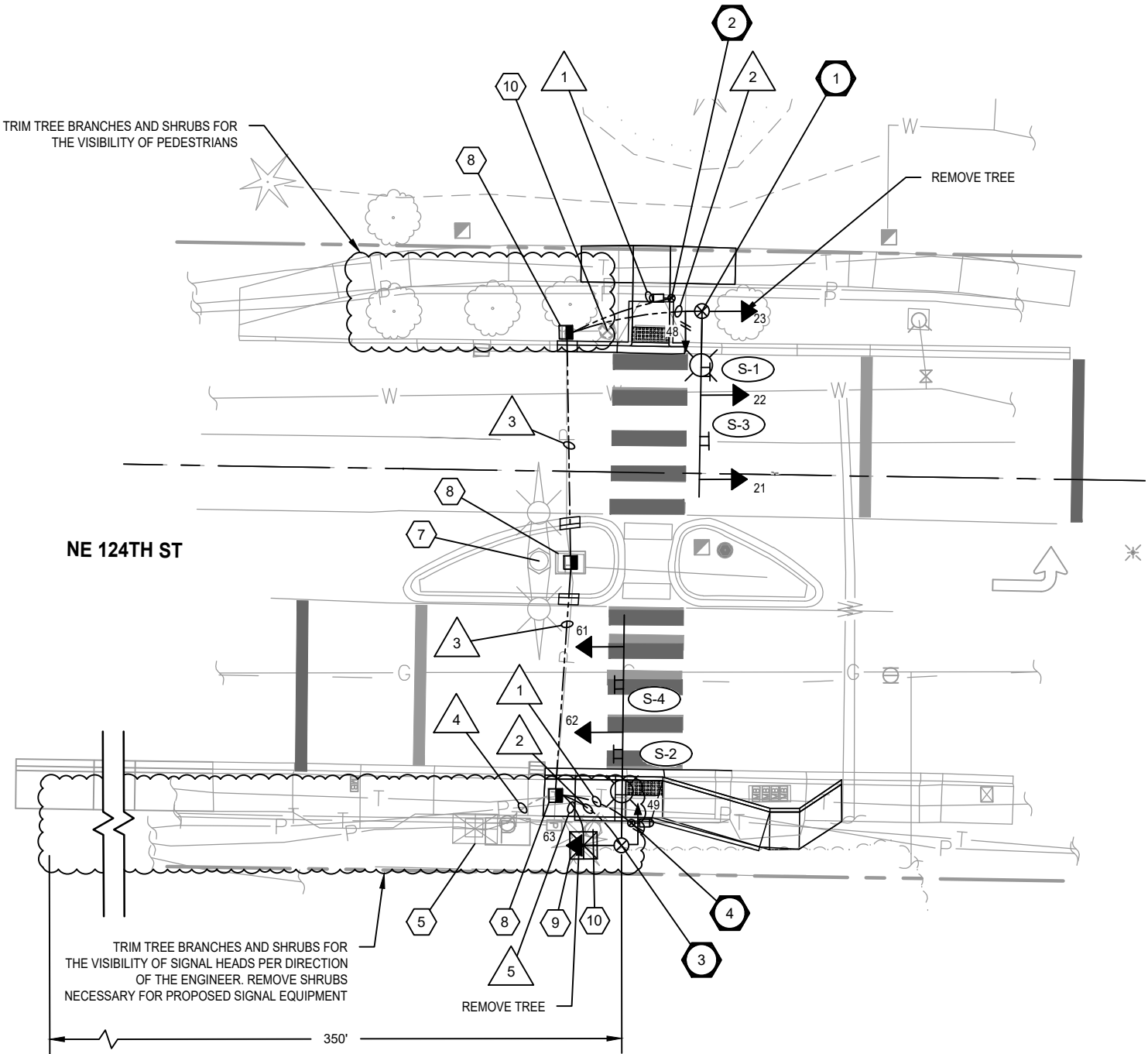
CENTRAL WAY & LAKE STREET INTERSECTION

GENERAL NOTES:

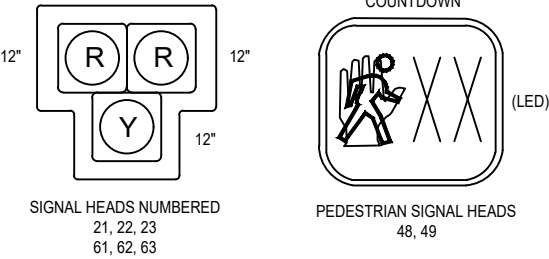
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- ALL WORK SHALL BE IN CONFORMANCE WITH 2023 STATE OF WASHINGTON STANDARD PLANS AND SPECIFICATIONS, THESE PLANS AND THE SPECIAL PROVISIONS.
- ALL JUNCTION BOXES AND CONDUIT RUNS SHALL BE INSTALLED AS SHOWN ON THE PLANS, LOCATIONS SHOWN ARE SCHEMATIC AND THE ENGINEER WILL PROVIDE EXACT LOCATIONS. SEE WSDOT STANDARD PLANS J-10, J-40.10-04, AND J-40.30-04.
- ALL MAST-ARM MOUNTED SIGNS SHALL BE INSTALLED WITH STAINLESS STEEL STRAPS AND BRACKET PER WSDOT STANDARD PLAN G-30.10-04.
- ALL EXISTING EQUIPMENT TO BE SALVAGED TO THE CITY OF KIRKLAND.

CONSTRUCTION NOTES:

- INSTALL FOUNDATION PER WSDOT STD PLAN J-26.10-03. SEE SIGNAL POLE DETAIL DRAWING. PROVIDE AND INSTALL SIGNAL STANDARD WITH 25' MAST ARM, THREE VEHICLE SIGNAL HEADS, ONE PEDESTRIAN HEAD, TWO SIGNS, ONE LUMINAIRE ARM ASSEMBLY AND FIXTURE, AND ONE TERMINAL CABINET, INCLUDING MOUNTINGS.
- CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-20.15-03. PROVIDE AND INSTALL ONE PPB POST WITH BREAKAWAY BASE PER WSDOT STD PLAN J-20.15-03. FURNISH AND INSTALL ONE ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLY ON THE POLE. SEE POLE SCHEDULE ON SHEET SG05 FOR ADDITIONAL DETAILS.
- INSTALL FOUNDATION PER WSDOT STD PLAN J-26.10-03. SEE SIGNAL POLE DETAIL DRAWING. PROVIDE AND INSTALL SIGNAL STANDARD WITH 30' MAST ARM, THREE VEHICLE SIGNAL HEADS, ONE PEDESTRIAN HEAD, TWO SIGNS, ONE LUMINAIRE ARM ASSEMBLY AND FIXTURE, AND ONE TERMINAL CABINET, INCLUDING MOUNTINGS.
- CONSTRUCT CURB BASE FOUNDATION PER WSDOT STD PLAN J-20.11-03. PROVIDE AND INSTALL ONE PPB POST WITH BREAKAWAY BASE PER WSDOT STD PLAN J-20.15-03. FURNISH AND INSTALL ONE ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLY ON THE POLE. SEE POLE SCHEDULE ON SHEET SG05 FOR ADDITIONAL DETAILS.
- MAINTAIN AND PROTECT EXISTING SERVICE CABINET. REMOVE EXISTING POWER CONNECTION FOR THE RRFB SYSTEM. INSTALL POWER CONNECTION TO THE SIGNAL CABINET AND STREET LIGHTS.
- MAINTAIN AND PROTECT EXISTING JUNCTION BOX.
- REMOVE EXISTING SIGNAL POLE AND ALL EXISTING EQUIPMENT ON POLE. REMOVE FOUNDATION BELOW GRADE AND COVER WITH SOIL AND LANDSCAPING.
- REMOVE EXISTING JUNCTION BOX. FURNISH AND INSTALL NEW TYPE 8 JUNCTION BOX PER WSDOT STD PLAN J-40.35-04 IN SAME LOCATION. RESTORE EXISTING LANDSCAPE AS NEEDED.
- INSTALL SIGNAL CONTROLLER CABINET FOUNDATION PER CITY OF KIRKLAND PLAN NO. CK-TS.03. PROVIDE AND INSTALL STRETCH P+ CONTROLLER CABINET WITH NEMA TS2 CONTROLLER WITH ALL NECESSARY EQUIPMENT. REFER TO SPECIAL PROVISIONS. DELIVER THE CONTROLLER AND CONTROLLER CABINET TO THE CITY OF KIRKLAND SIGNAL SHOP FOR SETUP AND TESTING. FOLLOWING TESTING, THE CITY WILL DELIVER THE CONTROLLER AND CABINET TO THE JOB SITE. CONTRACTOR SHALL WIRE TO THE INTERSECTION CONFIGURATION WITH ALL ASSOCIATED EQUIPMENT AND MAKE ALL NECESSARY FIELD CONNECTIONS.
- REMOVE EXISTING POST AND FOUNDATION. REMOVE WIRING ASSOCIATED WITH RRFB, PPB, AND LIGHTING . ABANDON EXISTING CONDUIT.



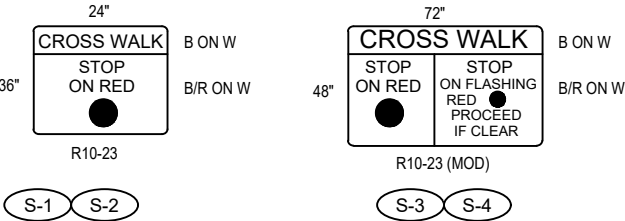
SIGNAL DISPLAY



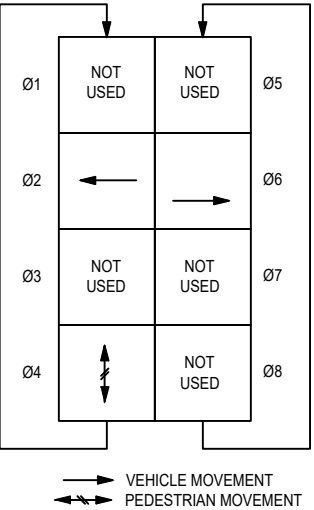
NOTES:

- ALL VEHICLE HEADS SHALL BE THE CONVENTIONAL TYPE WITH 12" LENSES AND ALUMINUM VISORS. ALL VEHICLE HEADS SHALL HAVE LED LIGHT SOURCES. ALL VEHICLE HEADS SHALL HAVE 5" ALUMINUM LOUVERED BACKPLATES AND SQUARE DOORS.
- VEHICLE HEADS 21, 22, 61, 62 SHALL BE INSTALLED ON TYPE "M" MOUNTING PER WSDOT STANDARD PLAN J-75.20-01. VEHICLE HEADS 23 AND 63 SHALL BE INSTALLED ON TYPE "K" MOUNTING PER WSDOT STANDARD PLAN J-75.10-02.
- PEDESTRIAN SIGNAL HEADS SHALL BE LED COUNTDOWN TYPE.
- PEDESTRIAN HEAD 48 AND 49 SHALL BE INSTALLED ON TYPE "E" CLAMSHELL MOUNTING PER WSDOT STANDARD PLAN J-75.10-02.
- PEDESTRIAN PUSHBUTTONS SHALL BE POLARA INS TYPE. SEE SG5 FOR SCHEDULE.
- VEHICLE HEAD BACKPLATES SHALL NOT HAVE REFLECTIVE TAPE OUTLINE.

SIGN LEGEND



PROPOSED PHASE DIAGRAM



NE 124TH ST & 103RD AVE NE PEDESTRIAN HYBRID BEACON



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



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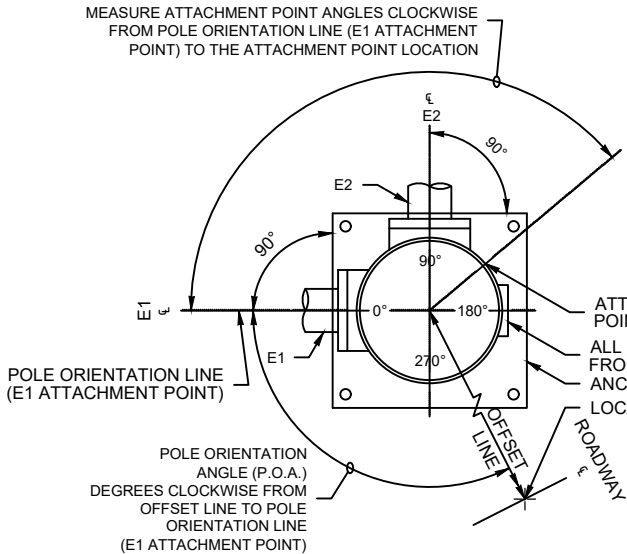
T. CHUDGAR 1-23-24
DESIGNED BY: DATE
R. SNELLINGS 1-23-24
DRAWN BY: DATE
J. LIU 1-23-24
CHECKED BY: DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
TRAFFIC SIGNAL PLAN

SHEET:
19 OF 36
SCALE:
1" = 20'
FILENAME:
SG04

LEGEND

- a. VEHICLE DISPLAY
- b. MAST ARM MTD. SIGN
- c. NOT USED
- d. NOT USED
- e. POST MTD. SIGN
- f. LUMINAIRE
- g. PEDESTRIAN DISPLAY
- h. TERMINAL CABINET
- i. APS PPB-M
- j. HANDHOLE



POLE ORIENTATION AND ATTACHMENT POINT DETAIL

NOTE:
TYPE E MOUNTS SHALL BE USED FOR PEDESTRIAN DISPLAYS ON TYPE II OR III SIGNAL STANDARDS, WITH THE FOLLOWING EXCEPTION: PEDESTRIAN DISPLAYS MOUNTED ON OCTAGONAL (8 SIDED) SIGNAL STANDARDS AT AN ANGLE OTHER THAN A 45 DEGREE INCREMENT SHALL USE A TYPE A MOUNT FOR TWO PEDESTRIAN DISPLAYS, OR A TYPE B MOUNT FOR A SINGLE PEDESTRIAN DISPLAY.

SIGNAL STANDARD IDENTIFICATION TAG DETAIL

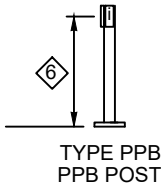
STD. NO. XX	SIGNAL STANDARD NO.	STD. NO. 02
SRXXX, MP XXX.XX	STATE ROUTE AND MILE POST NO.	SR97, MP 069.09
MANUFACTURER APPROVED DWG. XXXXXX	APPROVED DRAWING NO.	MANUFACTURER APPROVED DWG. AB12345
FAB. X/XX/XXXX	FABRICATION DATE	FAB. 6/14/2002
EXAMPLE		

TAG NOTES:
CORROSION RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS:
- POLE SHAFT - LOCATED WITHIN 6" ABOVE HAND HOLE (TYPE II & III).
- SIGNAL AND LUMINAIRE MAST ARM (TYPE II & III) - LOCATED WITHIN 6" OF THE LUMINAIRE ARM AND THE POLE SHAFT CONNECTION POINT (TYPE III).
TEXT SHALL BE A MINIMUM OF 3/16" HIGH, STAMPED OR EMBOSSED.

SIGNAL DISPLAY VERTICAL CLEARANCE TO ROADWAY					
HORIZONTAL DISTANCE FROM STOP LINE	MIN.	MAX.			
	ALL	40'	45'	50'	53' - 180'
HAWK SIGNAL HEAD	16.5'	17.5'	19.2'	20.9'	22.0'
MEASURED FROM BOTTOM OF SIGNAL HEAD HOUSING TO ROADWAY					

STANDARD TYPE	POLE	STANDARD PLAN REFERENCES		
		FOUNDATION	CURB	ELECTRICAL
PPB BREAKAWAY	J-20.15	J-20.15	J-20.11	J-20.15
II, III, SD	N/A	J-26.10, J-26.15	N/A	N/A

3' - 6" MEASURED FROM SIDEWALK SURFACE TO CENTER OF PEDESTRIAN PUSH BUTTON

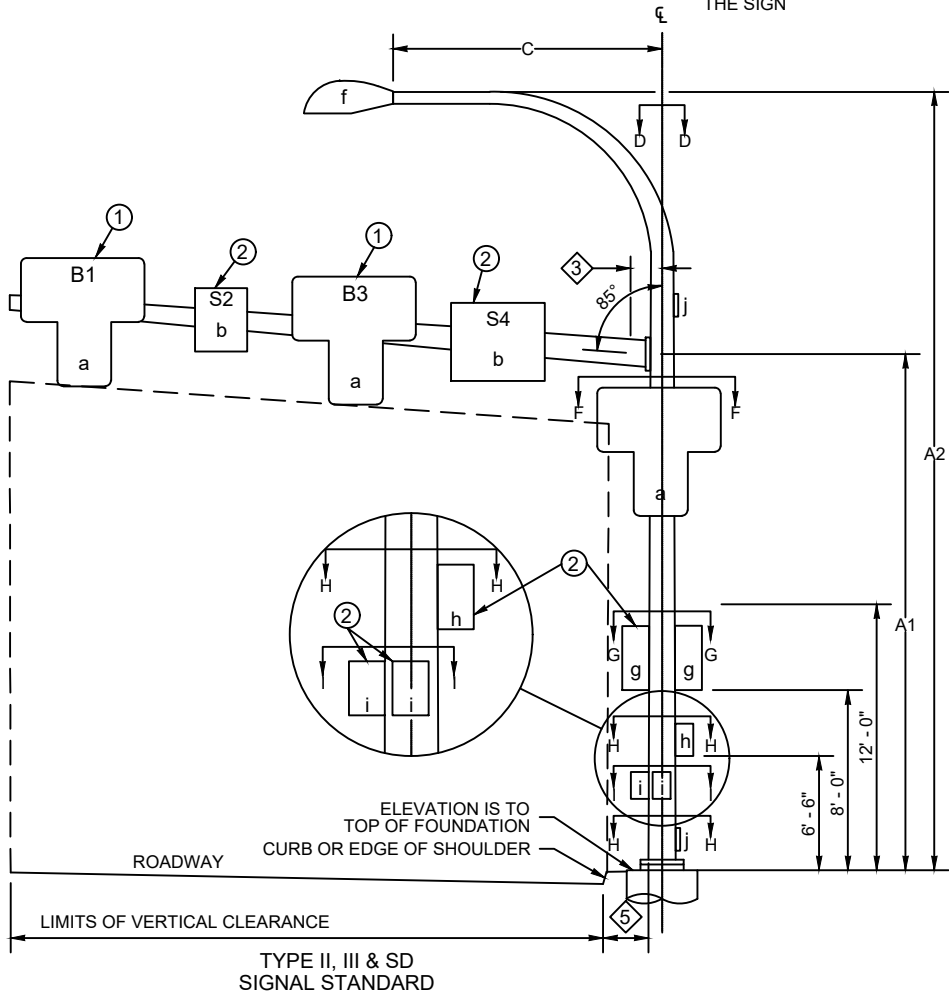


NOTES

- MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART. FOR TYPE N MOUNTS ONLY, DRILL 1" DIA. HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.
- FIELD INSTALLED.

1' - 0" MIN. TO 2' - 6" MAX. FROM POLE CENTERLINE TO SIGN EDGE

FOR POST MOUNTED SIGNS THERE SHALL BE 2' - 0" MIN. FROM THE FACE OF THE CURB OR THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN



- PLACEMENT SHALL BE 2' - 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' - 0" MIN. FROM FACE OF GUARDRAIL; 4' - 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE)
- DMS OR VMS IS NOT ALLOWED ON THESE POLES.

SIGNAL STANDARD DETAIL CHART

SIGNAL STANDARD DETAIL CHART																														
STD. No. <div>⦿ #</div>	FIELD LOCATION					POLE TYPE	MOUNTING HEIGHT (FT)		SIGNAL MAST ARM DATA								LUMINAIRE ARM (FT)	CALCULATED POLE XYZ (FT³)	POLE ATTACHMENT POINT					FOUNDATION DESIGN XYZ (FT³)	SOIL BEARING PRESSURE (PSF)	FOUNDATION DEPTH (FT)			REMARKS	
									OFFSETS (FT) (Z) (POLE TO ATTACHMENT POINT)				WINDLOAD AREAS (FT²) (X)(Y)						Φ ANGLES (DEGREES)							ALTERNATE 1				
	STATION	OFFSET	LT.	RT.	ELEV. * P.O.A.		A1	A2	B1	S2	B3	S4	B1	S2	B3	S4			C	★ ★	D	E1	G			H	I	3' RD.		3' SQ.
1	100+89.8	21.8'	X		122.5	0	III	17	35	22.6	17.0	11.3	8.3	10.2	24.0	10.2	6.0	12	843	0	0	90	180		1350	1500	9'-0"	7'-0"	7'-0"	
2	100+85.7	23.5'	X				PPB																270							NOTE 1
3	100+83.3	47.1'		X	122.2	0	III	17	35	26.7	21.0	15.2	12.2	10.2	24.0	10.2	6.0	12	1044	0	0	90	90		1350	1500	9'-0"	7'-0"	7'-0"	
4	100+80.1	50.1'		X			PPB																90							NOTE 1

* ELEVATION SHALL MATCH TOP OF SIDEWALK OR ROAD SHOULDER AS APPLICABLE.
NOTE 1: FOR TYPE PPB POLES, P.O.A. ASSUMED TO BE DUE NORTH FOR 0 DEGREES.

** CALCULATED POLE XYZ (FT³) IS THE SUM OF THE TOTAL XYZ (FT³) FOR THE SIGNAL ARM AND THE XYZ (FT³) FOR THE LUMINAIRE ARM (IF PRESENT).

NE 124TH ST & 103RD AVE NE PEDESTRIAN HYBRID BEACON



CITY OF KIRKLAND

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NO. DATE BY APPR. REVISION



1/23/24



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Downtown Kirkland and NE 124th Street
Pedestrian Safety
SIGNAL POLE SPECIFICATIONS

SHEET:

20 OF 36

SCALE:

NTS

FILENAME:

SG05

WIRE SCHEDULE

RUN NO	CONDUIT SIZE	SIGNAL 5C	PED HEAD 5C	PPB 2CS	ILLUM #8	POWER #6	GROUND #8	GROUND #6	NOTES
1	1"			1			1		
2	3"	1	1				1		NOTE 1
	2"				2		1		NOTE 1
	3"						1		SPARE
3	3"	1	1	1			1		
	2"				2				
	3"								SPARE
4	EX 2"				2	2		1	NOTE 1
5	4"	2	2	2			1		
	2"					2		1	
	4"								SPARE

NOTE 1: REMOVE WIRING ASSOCIATED WITH RRFB AND EXISTING LUMINAIRE.

PUSH BUTTON SCHEDULE *

103RD AVE NE & 124TH AVE NE					
PUSH BUTTON	PHASE	POLE	ARROW DIRECTION	SIGN **	SPECIAL VOICE MESSAGE
48	4	2	RIGHT	R10-3e	NONE
49	4	4	RIGHT	R10-3e	NONE

* SEE POLE SCHEDULE FOR POLE MOUNTING LOCATION

** ARROW ON SIGN SHALL MATCH ARROW DIRECTION ON PPB

NE 124TH ST & 103RD AVE NE PEDESTRIAN HYBRID BEACON

FIELD WIRE TERMINATIONS
ONLY NEW WIRING SHOWN

TERMINAL CABINET

CONTROLLER TERMINATIONS

VEHICLE SIGNAL
DISPLAYS

PEDESTRIAN SIGNAL
DISPLAYS

PEDESTRIAN
PUSHBUTTONS

	611				
	612				Ø1
	613				
	614				
	616				
R	621	⊗			
G	622	⊗	21, 22, 23	Ø2	
	623				
B	624	⊗			
W	626	⊗			
O	631	⊗			
	632				
	633			Ø3	
	634				
	636				
	641				
	642				
	643			Ø4	
	644				
	645				
	651				
	652				
	653			Ø5	
	654				
	656				
R	661	⊗			
G	662	⊗	61, 62, 63	Ø6	
	663				
B	664	⊗			
W	666	⊗			
O	671	⊗			
	672				
	673			Ø7	
	674				
	676				
	681				
	682			Ø8	
	683				
	684				
	685				

	721				
	722				Ø2
	723				
R	741	⊗			
G	742	⊗	48, 49	Ø4	
W	743	⊗			
	761				
	762			Ø6	
	763				
	781				
	782			Ø8	
	783				

	724				Ø2
	725				
B	744	⊗	48, 49	Ø4	
W	745	⊗			
	764			Ø6	
	784			Ø8	
	785				

621=LEFT RED
622=YELLOW
631=RIGHT RED

661=LEFT RED
662=YELLOW
671=RIGHT RED

FROM SERVICE CABINET

FROM CONTROLLER

FROM SERVICE CABINET

FROM CONTROLLER

SIGNAL HEAD 21

SIGNAL HEAD 22

SIGNAL HEAD 23

PED HEAD 48

PPB 48

POLE NO. 1

POLE NO. 2

SIGNAL HEAD 61

SIGNAL HEAD 62

SIGNAL HEAD 63

PED HEAD 49

PPB 49

POLE NO. 3

POLE NO. 4



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NE 124TH ST & 103RD AVE NE PEDESTRIAN HYBRID BEACON

Downtown Kirkland and NE 124th Street
Pedestrian Safety
FIELD TERMINATIONS

SHEET:

22 OF 36

SCALE:

NTS

FILENAME:

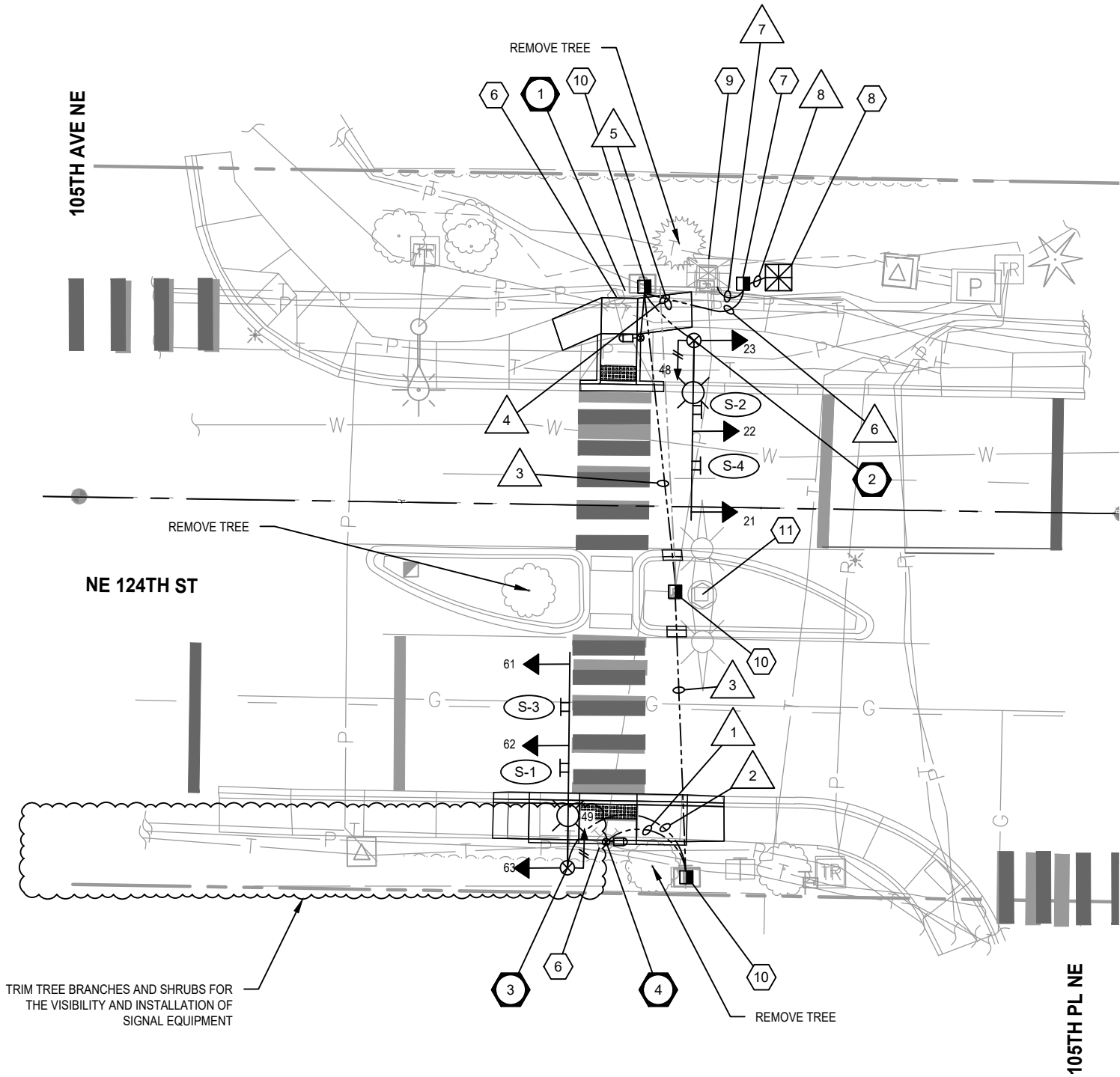
SG07

GENERAL NOTES:

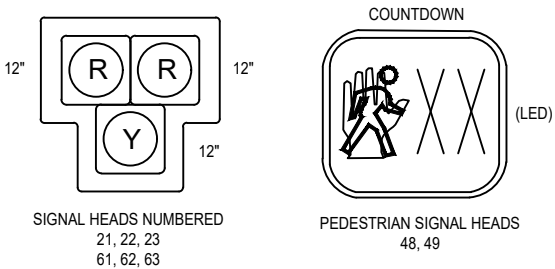
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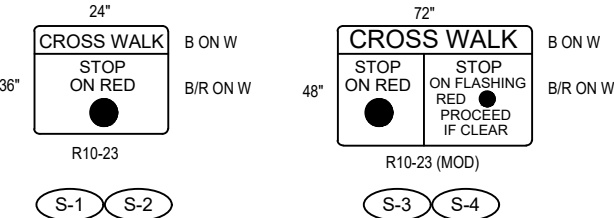
SIGNAL DISPLAY



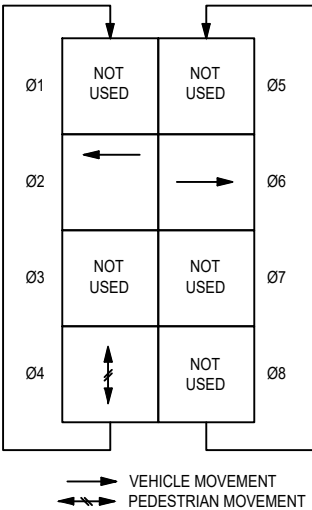
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SIGN LEGEND



PROPOSED PHASE DIAGRAM



NE 124TH ST & 105TH PL NE PEDESTRIAN HYBRID BEACON



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS
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Downtown Kirkland and NE 124th Street
Pedestrian Safety
TRAFFIC SIGNAL PLAN

SHEET:
23 OF 36
SCALE:
1" = 20'
FILENAME:
SG08

LEGEND

- a. VEHICLE DISPLAY
b. MAST ARM MTD. SIGN
c. NOT USED
d. NOT USED
e. POST MTD. SIGN
f. LUMINAIRE
g. PEDESTRIAN DISPLAY
h. TERMINAL CABINET
i. APS PPB-M
j. HANDHOLE

SIGNAL STANDARD IDENTIFICATION TAG DETAIL

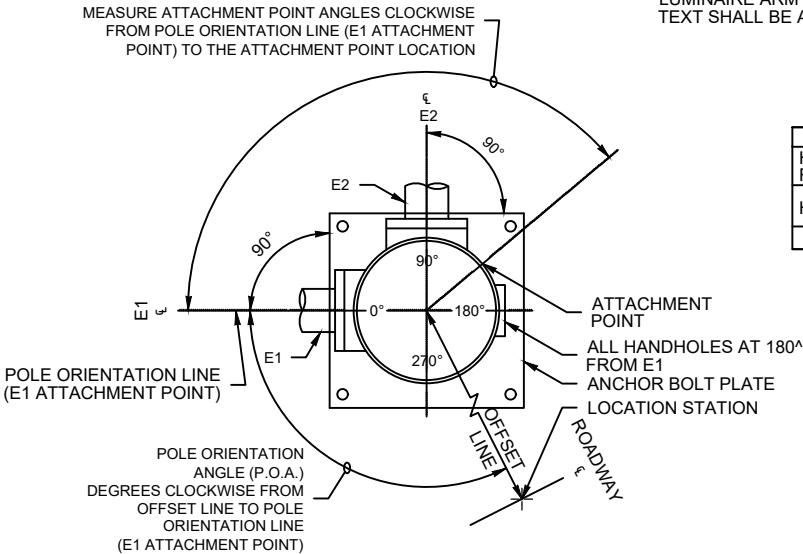
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FAB. X/XX/XXXX	FABRICATION DATE	FAB. 6/14/2002
EXAMPLE		

TAG NOTES:
CORROSION RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS:
- POLE SHAFT - LOCATED WITHIN 6" ABOVE HAND HOLE (TYPE II & III).
- SIGNAL AND LUMINAIRE MAST ARM (TYPE II & III) - LOCATED WITHIN 6" OF THE LUMINAIRE ARM AND THE POLE SHAFT CONNECTION POINT (TYPE III).
TEXT SHALL BE A MINIMUM OF 3/16" HIGH, STAMPED OR EMBOSSED.

SIGNAL DISPLAY VERTICAL CLEARANCE TO ROADWAY

	MIN.	MAX.			
HORIZONTAL DISTANCE FROM STOP LINE	ALL	40'	45'	50'	53' - 180'
HAWK SIGNAL HEAD	16.5'	17.5'	19.2'	20.9'	22.0'
MEASURED FROM BOTTOM OF SIGNAL HEAD HOUSING TO ROADWAY					

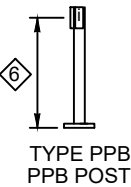
STANDARD TYPE	POLE	STANDARD PLAN REFERENCES		ELECTRICAL
		FOUNDATION STANDARD	CURB	
PPB BREAKAWAY	J-20.15	J-20.15	J-20.11	J-20.15
II, III, SD	N/A	J-26.10, J-26.15	N/A	N/A



POLE ORIENTATION AND ATTACHMENT POINT DETAIL

NOTE:
TYPE E MOUNTS SHALL BE USED FOR PEDESTRIAN DISPLAYS ON TYPE II OR III SIGNAL STANDARDS, WITH THE FOLLOWING EXCEPTION: PEDESTRIAN DISPLAYS MOUNTED ON OCTAGONAL (8 SIDED) SIGNAL STANDARDS AT AN ANGLE OTHER THAN A 45 DEGREE INCREMENT SHALL USE A TYPE A MOUNT FOR TWO PEDESTRIAN DISPLAYS, OR A TYPE B MOUNT FOR A SINGLE PEDESTRIAN DISPLAY.

3' - 6" MEASURED FROM SIDEWALK SURFACE TO CENTER OF PEDESTRIAN PUSH BUTTON



NOTES

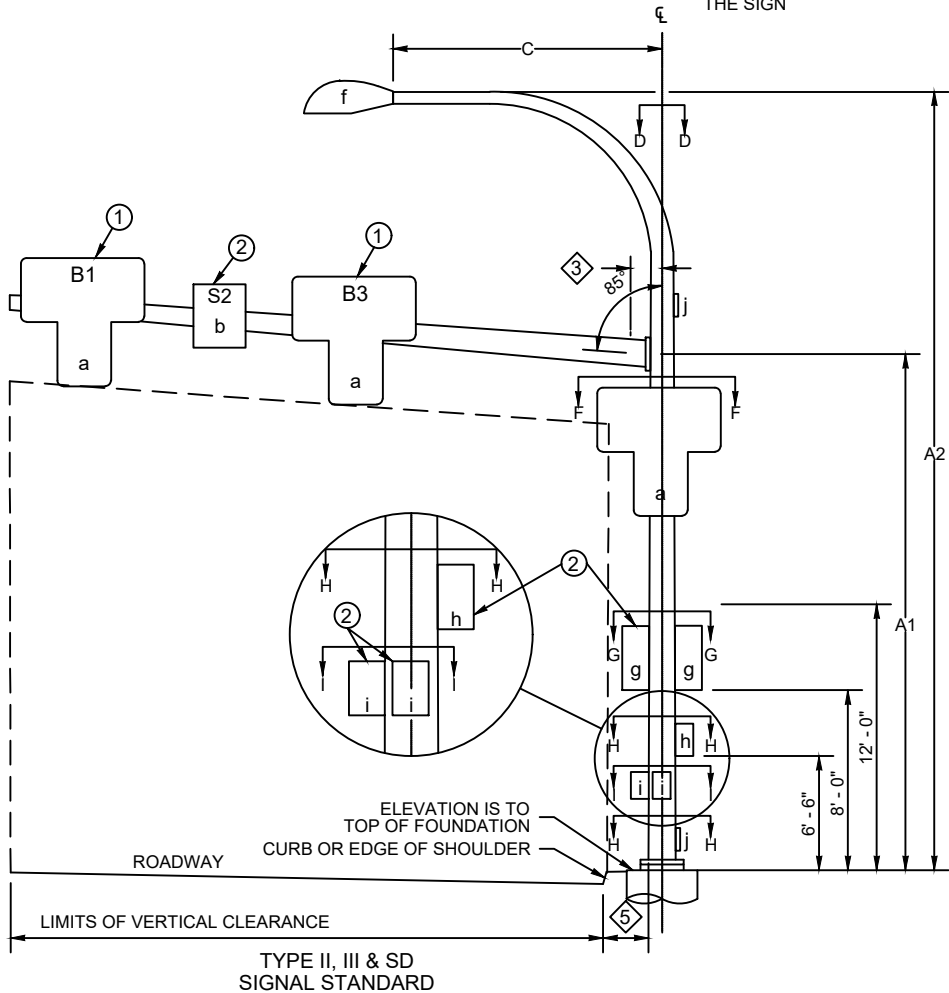
- ① MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART. FOR TYPE N MOUNTS ONLY, DRILL 1" DIA. HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.
② FIELD INSTALLED.

③ 1' - 0" MIN. TO 2' - 6" MAX. FROM POLE CENTERLINE TO SIGN EDGE

④ FOR POST MOUNTED SIGNS THERE SHALL BE 2' - 0" MIN. FROM THE FACE OF THE CURB OR THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN

⑤ PLACEMENT SHALL BE 2' - 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' - 0" MIN. FROM FACE OF GUARDRAIL; 4' - 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE)

⑦ DMS OR VMS IS NOT ALLOWED ON THESE POLES.



SIGNAL STANDARD DETAIL CHART

SIGNAL STANDARD DETAIL CHART																															
STD. No. #	FIELD LOCATION					POLE TYPE	MOUNTING HEIGHT (FT)		SIGNAL MAST ARM DATA								LUMINAIRE ARM (FT)	CALCULATED POLE XYZ (FT³)	POLE ATTACHMENT POINT						FOUNDATION DESIGN XYZ (FT³)	SOIL BEARING PRESSURE (PSF)	FOUNDATION DEPTH (FT)			REMARKS	
									OFFSETS (FT) (Z) (POLE C TO ATTACHMENT POINT)				WINDLOAD AREAS (FT²) (X)(Y)						Φ ANGLES (DEGREES)								ALTERNATE 1				
	STATION	OFFSET	LT.	RT.	ELEV. ★		P.O.A.	A1	A2	B1	S1	B3	S4	B1	S2	B3			S4	C	★ ★	D	E1	F			G	H	I		3' RD.
1	110+32.9	23.4'	X		164.4		PPB																	270						NOTE 1	
2	110+40.2	23.1'	X			0	III	17	35	22.6	17.0	11.3	8.3	10.2	24.0	10.2	6.0	12	843	0	0	270	90	180		1350	2500	7'-0"	6'-0"	6'-0"	
3	110+23.9	46.8'		X	164.8	0	III	17	35	26.7	21.0	17.0	12.2	10.2	24.0	10.2	6.0	12	1044	0	0	270	90	90		1350	2500	7'-0"	6'-0"	6'-0"	
4	110+29.2	50.5'		X			PPB																90							NOTE 1	

* ELEVATION SHALL MATCH TOP OF SIDEWALK OR ROAD SHOULDER AS APPLICABLE.
NOTE 1: FOR TYPE PPB POLES, P.O.A. ASSUMED TO BE DUE NORTH FOR 0 DEGREES.

** CALCULATED POLE XYZ (FT³) IS THE SUM OF THE TOTAL XYZ (FT³) FOR THE SIGNAL ARM AND THE XYZ (FT³) FOR THE LUMINAIRE ARM (IF PRESENT).

NE 124TH ST & 105TH PL NE PEDESTRIAN HYBRID BEACON



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

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1/23/24



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(206) 382-9800
www.dksassociates.com

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DESIGNED BY: DATE
R. SNELLINGS 1-23-24
DRAWN BY: DATE
J. LIU 1-23-24
CHECKED BY: DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
SIGNAL POLE SPECIFICATIONS

SHEET:
24 OF 36
SCALE:
NTS
FILENAME:
SG09

WIRE SCHEDULE

RUN NO	CONDUIT SIZE	SIGNAL 5C	PED HEAD 5C	PPB 2CS	ILLUM #8	POWER #6	GROUND #8	GROUND #6	NOTES
1	1"			1			1		
2	3"	1	1				1		
	2"				2		1		
	3"						1		SPARE
3	3"	1	1	1			1		
	2"				2		1		
	3"						1		SPARE
4	2"		1	1			1		
5	3"	1					1		
	2"				2		1		
6	4"	2	2	2			1		
	2"				2		1		
7	4"				2	2	1	1	
8	3"	2	2	2			1		
	2"					2		1	
	3"								SPARE

NOTE 1: REMOVE WIRING ASSOCIATED WITH YELLOW FLASHING LIGHT AND EXISTING LUMINAIRE.

PUSH BUTTON SCHEDULE *

105TH PL NE & 124TH AVE NE					
PUSH BUTTON	PHASE	POLE	ARROW DIRECTION	SIGN **	SPECIAL VOICE MESSAGE
48	4	1	RIGHT	R10-3e	NONE
49	4	3	RIGHT	R10-3e	NONE

* SEE POLE SCHEDULE FOR POLE MOUNTING LOCATION

** ARROW ON SIGN SHALL MATCH ARROW DIRECTION ON PPB

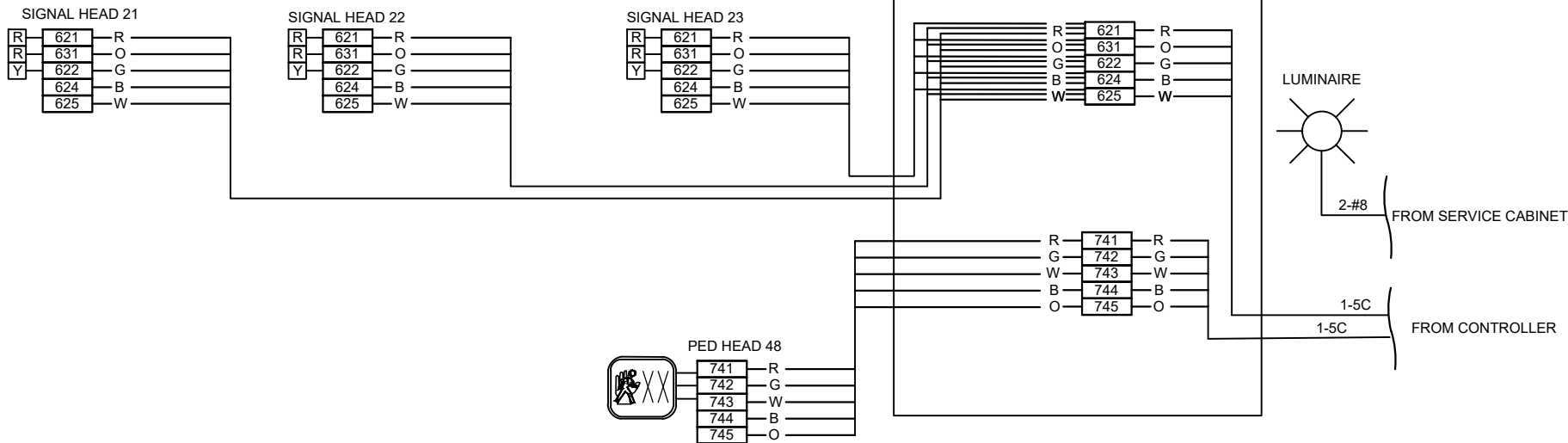
NE 124TH ST & 105TH PL NE PEDESTRIAN HYBRID BEACON

FIELD WIRE TERMINATIONS
ONLY NEW WIRING SHOWN

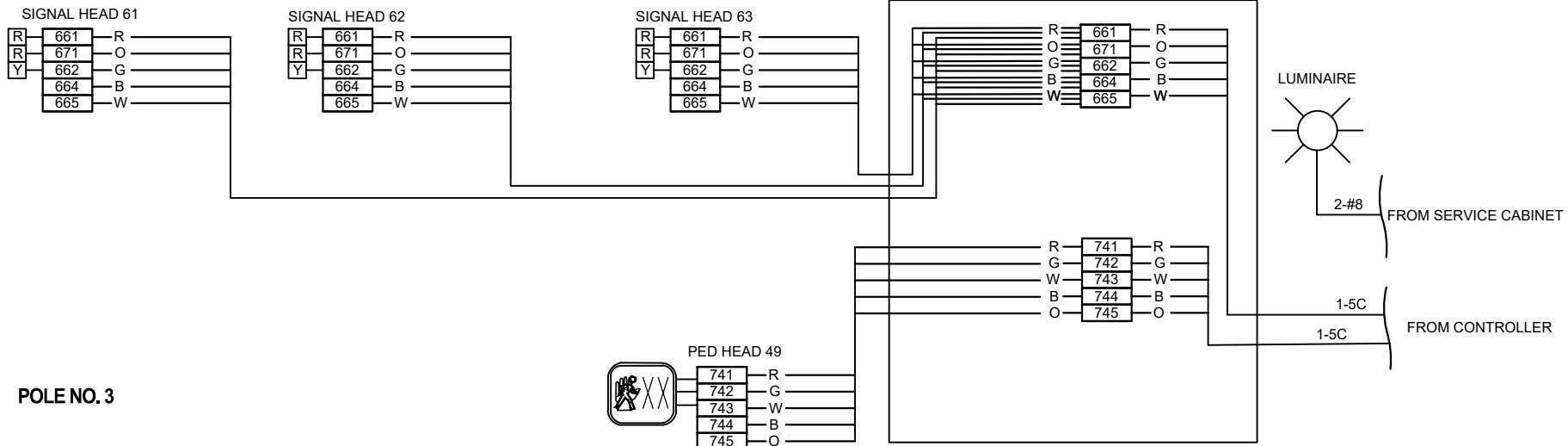
CONTROLLER TERMINATIONS



POLE NO. 1



POLE NO. 2



POLE NO. 3



POLE NO. 4

VEHICLE SIGNAL
DISPLAYS

611					
612					
613					
614					
616					
621					
622					
623					
624					
626					
631					
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684					
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PEDESTRIAN SIGNAL
DISPLAYS

721					
722					
723					
741					
742					
743					
761					
762					
763					
781					
782					
783					

PEDESTRIAN
PUSHBUTTONS

724					
725					
744					
745					
764					
765					
784					
785					

NE 124TH ST & 105TH PL NE PEDESTRIAN HYBRID BEACON



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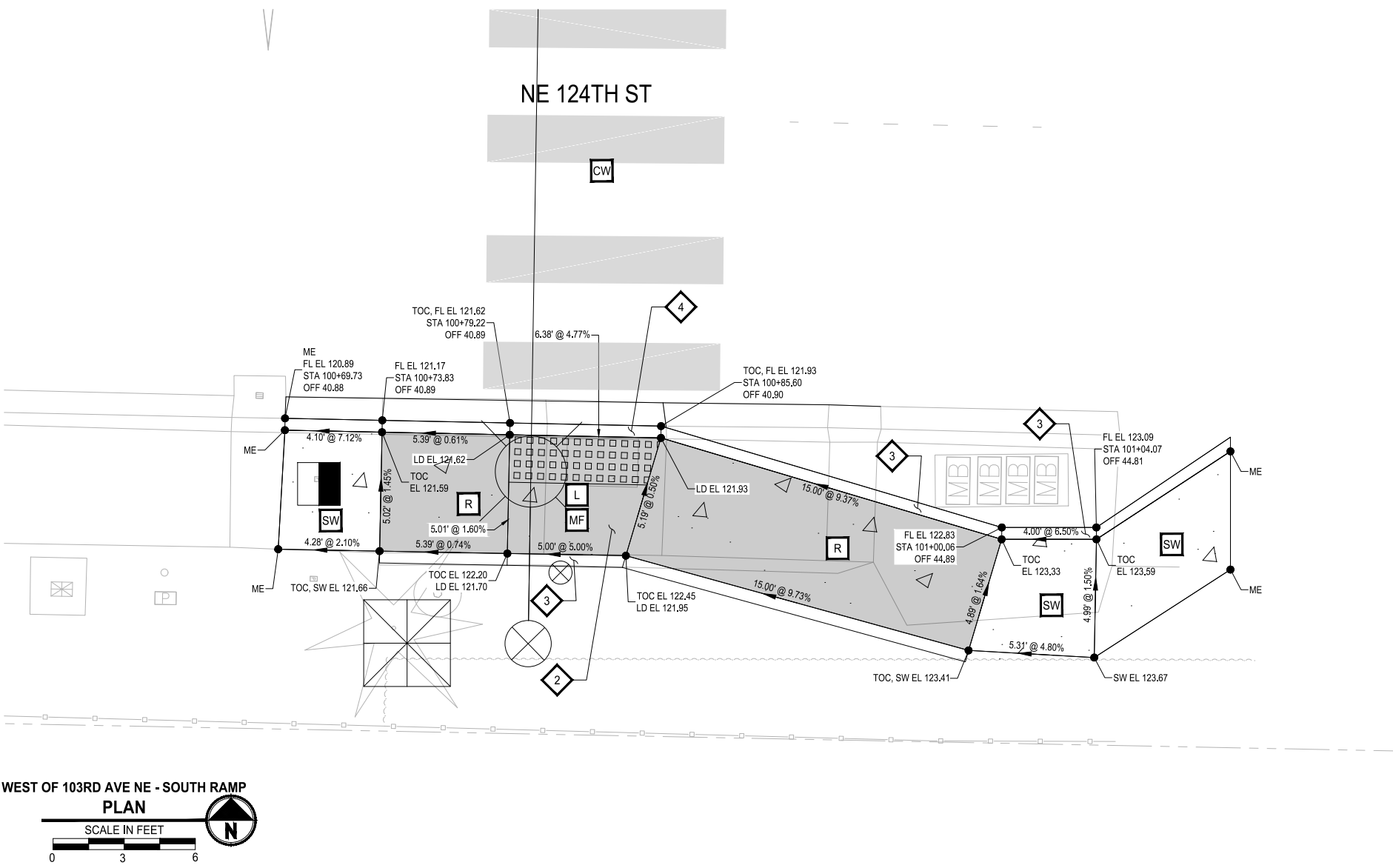
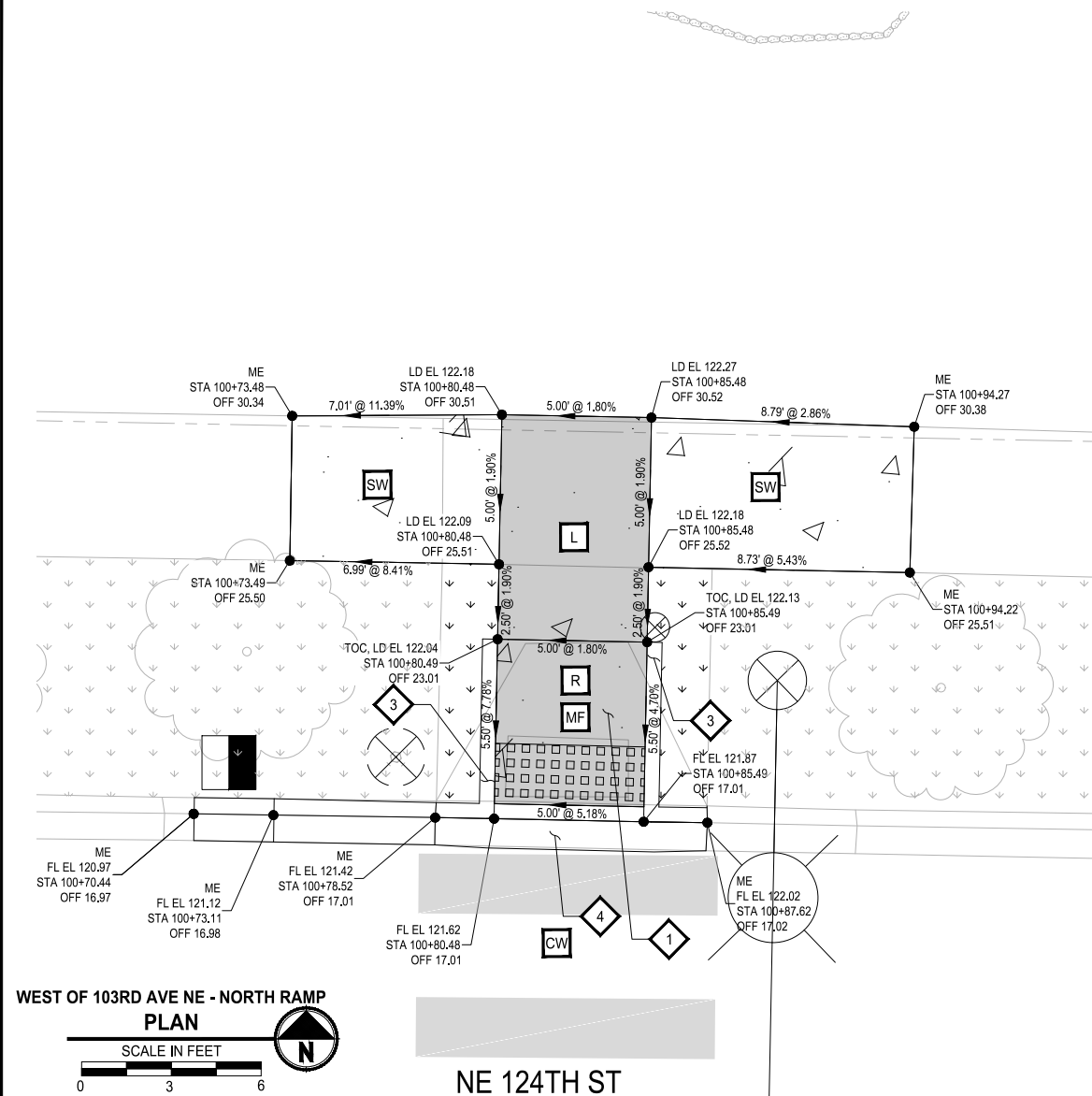


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Downtown Kirkland and NE 124th Street
Pedestrian Safety
SIGNAL SCHEDULES & DETAILS

SHEET:
26 OF 36
SCALE:
NTS
FILENAME:
SG11

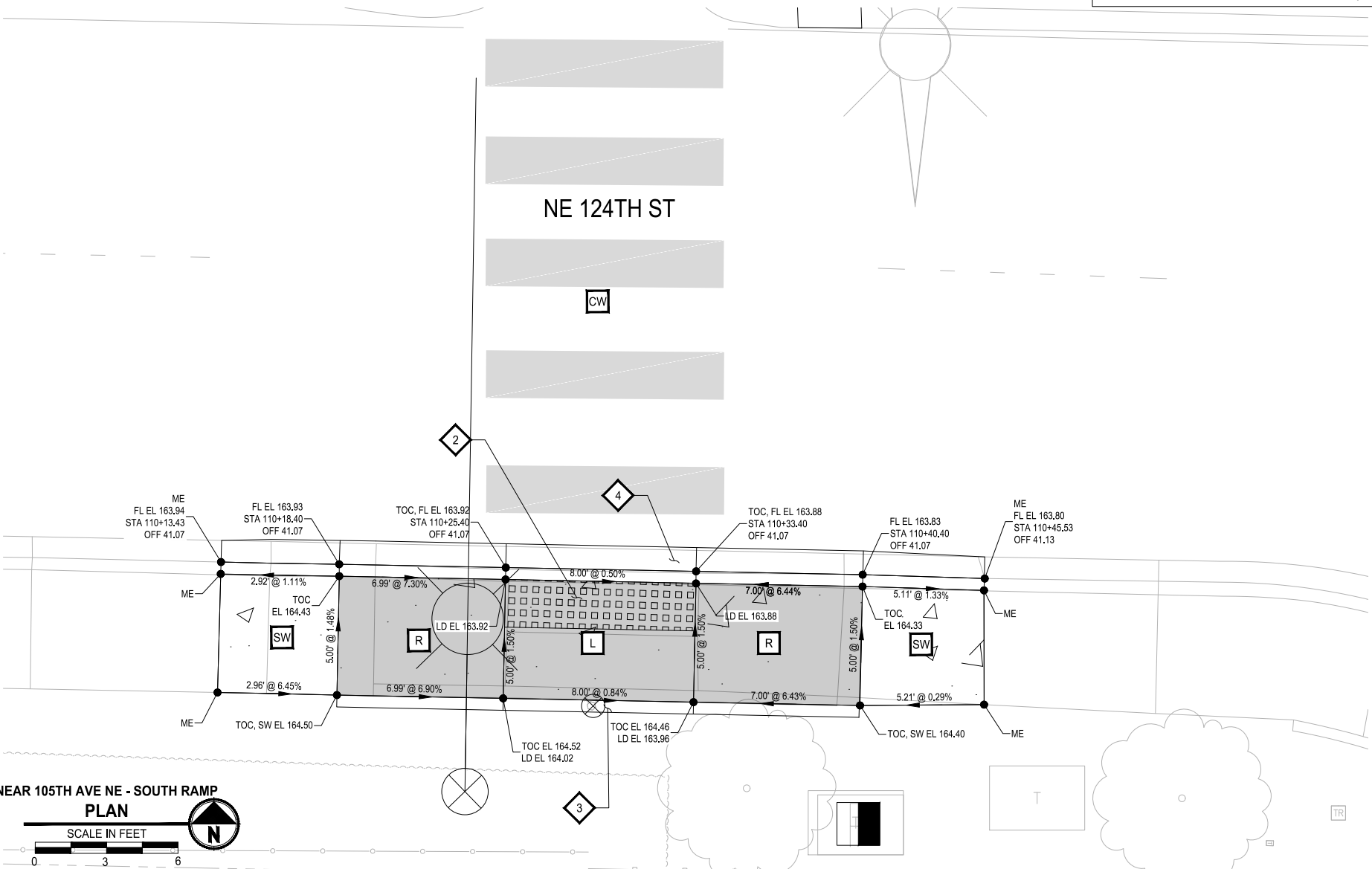
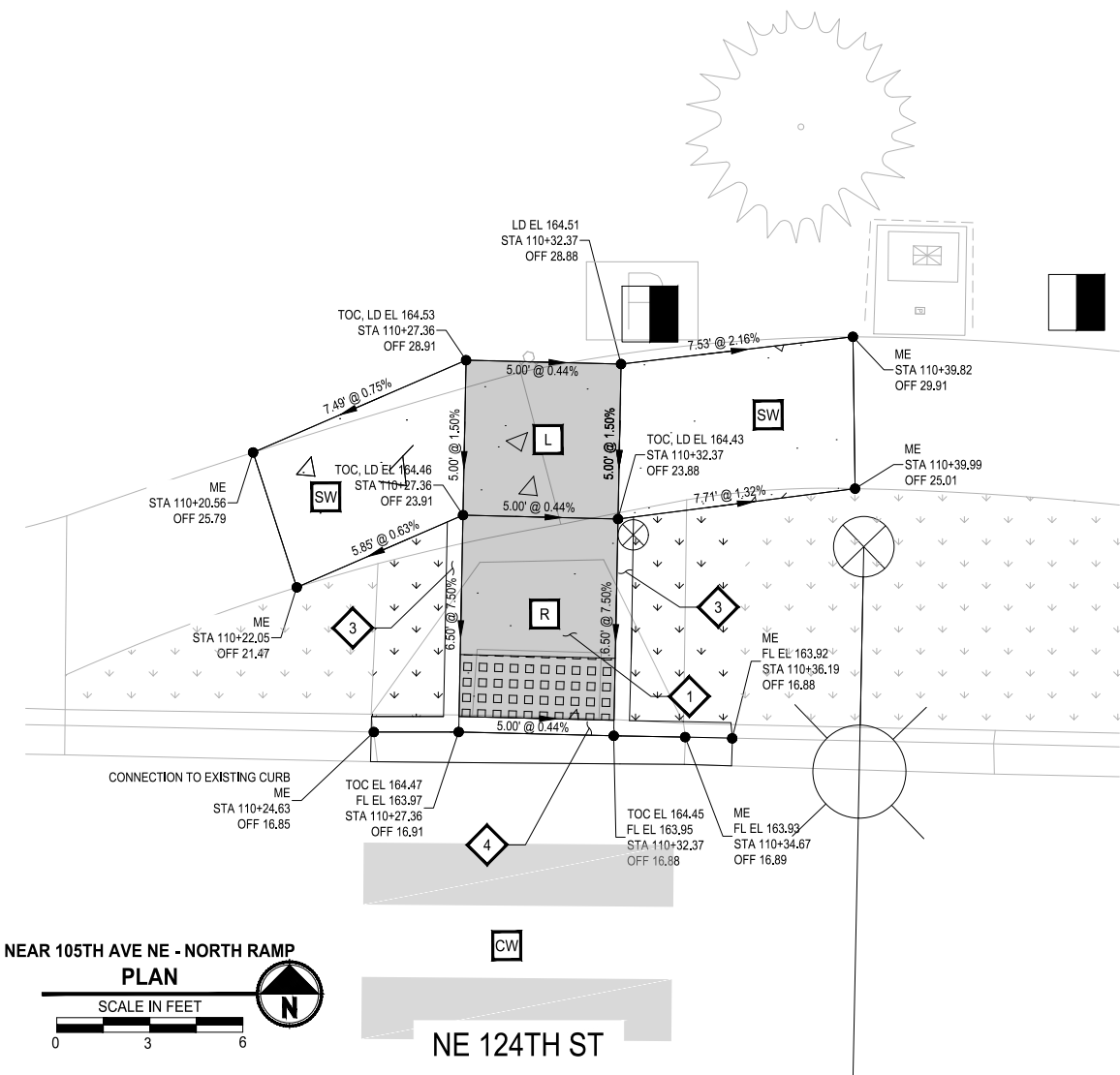


- GENERAL NOTES:**
- APPROXIMATE SURVEYED EXISTING ELEVATIONS ARE SHOWN. CONTRACTOR SHALL CONSTRUCT RAMPS AND SIDEWALK TO MEET ALL ADA SLOPE REQUIREMENTS IF FIELD ELEVATIONS DO NOT MATCH THOSE SHOWN.
 - RAMP GRADING POINTS REPRESENT ONE METHOD OF MEETING RAMP ADA STANDARDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE RAMPS MEET ALL ADA REQUIREMENTS.
 - CONTRACTOR SHALL PROVIDE SURVEY STAKING TO THE LEVEL OF SURVEY ACCURACY NECESSARY TO SUPPORT THE CONSTRUCTION OF SIDEWALK, CURBS, CURB RAMPS AND RELATED PROJECT ELEMENTS. TRADITIONAL SURVEY AND STAKING METHODS SHALL BE SUPPLEMENTED IN THE FIELD BY THE CONTRACTOR THROUGH THE USE OF A CONTRACTOR-SUPPLIED, CALIBRATED, 4-FOOT LONG "SMART" LEVEL TO DIGITALLY MEASURE SLOPES.
 - RAMP SLOPES ON THIS SHEET ARE CALCULATED FROM THE LANDING TO FRONT EDGE OF DETECTABLE WARNING SURFACE. CONSTRUCT DEPRESSED CURB AND GUTTER IN FRONT OF DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-10.12-04.

- GRADING NOTES:**
- EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE FOR REFERENCE ONLY.
- ADA ELEMENT:**
- R RAMP
 - L LANDING
 - SW SIDEWALK
 - CW CROSSWALK
 - MF MAXIMUM EXTENT FEASIBLE
- LEGEND:**
- BOW - BACK OF SIDEWALK
 - BR - BOTTOM OF RAMP
 - EL - ELEVATION
 - FL - FLOWLINE
 - LD - LANDING
 - OFF - OFFSET
 - STA - STATION
 - SW - SIDEWALK
 - TOC - TOP OF CURB
 - ME - MATCH EXISTING ELEVATION
 - RAMP EXTENTS

- CONSTRUCTION NOTES:**
- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR B PER WSDOT STD PLAN F-40.15-04.
 - CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03.
 - CEMENT CONC. PEDESTRIAN CURB PER CITY OF KIRKLAND STD PLAN CK-R.17A.
 - CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF KIRKLAND STD PLAN CK-R.17.
 - CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STD PLAN F-40.15-04.

FINAL SUBMITTAL



GENERAL NOTES:

- APPROXIMATE SURVEYED EXISTING ELEVATIONS ARE SHOWN. CONTRACTOR SHALL CONSTRUCT RAMPS AND SIDEWALK TO MEET ALL ADA SLOPE REQUIREMENTS IF FIELD ELEVATIONS DO NOT MATCH THOSE SHOWN.
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GRADING NOTES:

EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE FOR REFERENCE ONLY.

ADA ELEMENT:

- R** RAMP
- L** LANDING
- SW** SIDEWALK
- CW** CROSSWALK
- MF** MAXIMUM EXTENT FEASIBLE

LEGEND:

- BOW - BACK OF SIDEWALK
- BR - BOTTOM OF RAMP
- EL - ELEVATION
- FL - FLOWLINE
- LD - LANDING
- OFF - OFFSET
- STA - STATION
- SW - SIDEWALK
- TOC - TOP OF CURB
- ME - MATCH EXISTING ELEVATION
- RAMP EXTENTS

CONSTRUCTION NOTES:

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- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03.
- CEMENT CONC. PEDESTRIAN CURB PER CITY OF KIRKLAND STD PLAN CK-R.17A.
- CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF KIRKLAND STD PLAN CK-R.17.
- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STD PLAN F-40.15-04.

FINAL SUBMITTAL



CITY OF KIRKLAND

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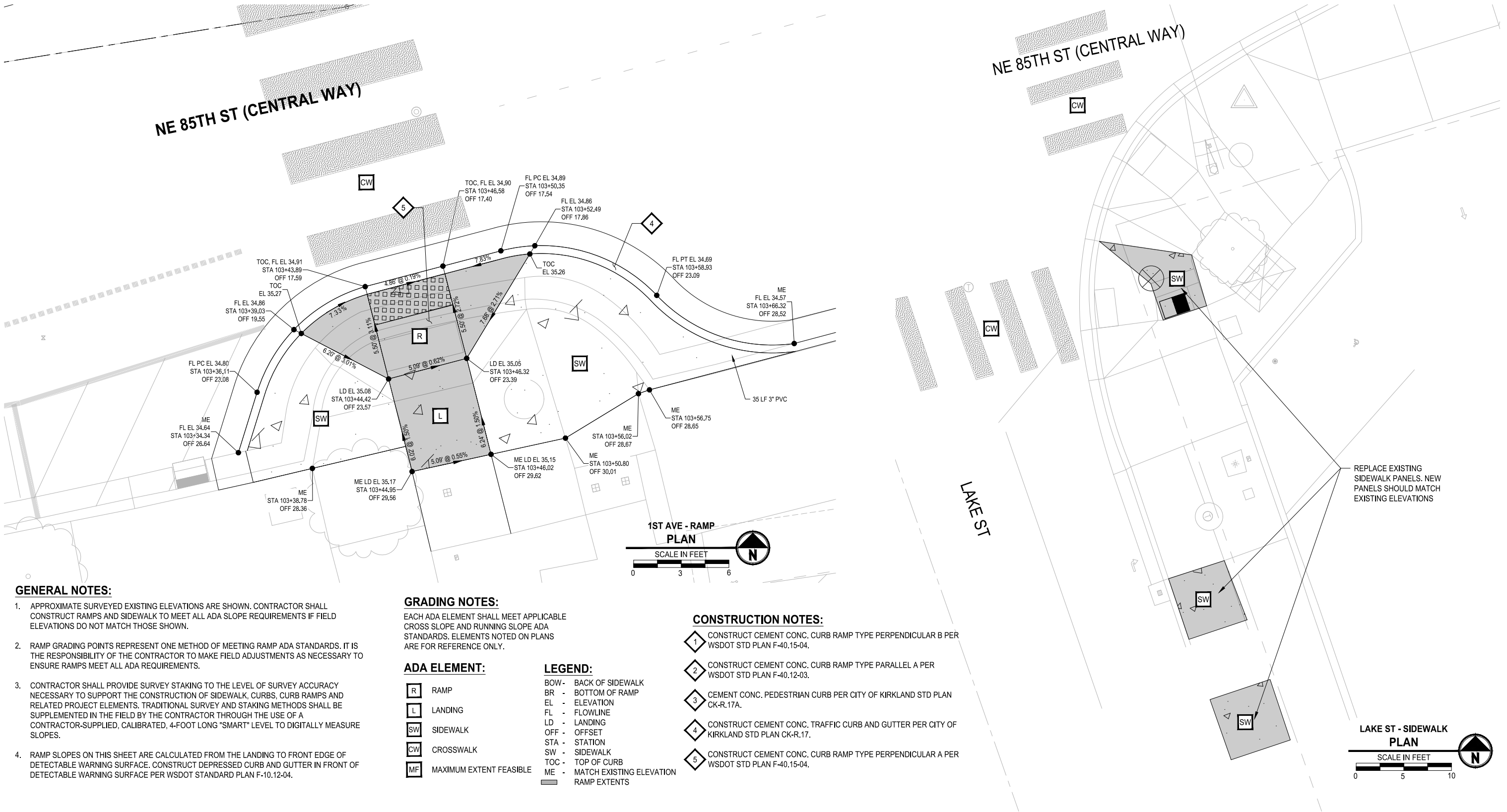
S. SIDDIQUI 10-27-23
DESIGNED BY: DATE

S. SIDDIQUI 10-27-23
DRAWN BY: DATE

D. SUSLIKOV 10-27-23
CHECKED BY: DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
RAMP GRADING PLANS

SHEET:	28 OF 36
SCALE:	1" = 3'
FILENAME:	GR02



GENERAL NOTES:

- 1. APPROXIMATE SURVEYED EXISTING ELEVATIONS ARE SHOWN. CONTRACTOR SHALL CONSTRUCT RAMPS AND SIDEWALK TO MEET ALL ADA SLOPE REQUIREMENTS IF FIELD ELEVATIONS DO NOT MATCH THOSE SHOWN.
- 2. RAMP GRADING POINTS REPRESENT ONE METHOD OF MEETING RAMP ADA STANDARDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE RAMPS MEET ALL ADA REQUIREMENTS.
- 3. CONTRACTOR SHALL PROVIDE SURVEY STAKING TO THE LEVEL OF SURVEY ACCURACY NECESSARY TO SUPPORT THE CONSTRUCTION OF SIDEWALK, CURBS, CURB RAMPS AND RELATED PROJECT ELEMENTS. TRADITIONAL SURVEY AND STAKING METHODS SHALL BE SUPPLEMENTED IN THE FIELD BY THE CONTRACTOR THROUGH THE USE OF A CONTRACTOR-SUPPLIED, CALIBRATED, 4-FOOT LONG "SMART" LEVEL TO DIGITALLY MEASURE SLOPES.
- 4. RAMP SLOPES ON THIS SHEET ARE CALCULATED FROM THE LANDING TO FRONT EDGE OF DETECTABLE WARNING SURFACE. CONSTRUCT DEPRESSED CURB AND GUTTER IN FRONT OF DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-10.12-04.

GRADING NOTES:

EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE FOR REFERENCE ONLY.

ADA ELEMENT:

- R RAMP
- L LANDING
- SW SIDEWALK
- CW CROSSWALK
- MF MAXIMUM EXTENT FEASIBLE

LEGEND:

- BOW - BACK OF SIDEWALK
- BR - BOTTOM OF RAMP
- EL - ELEVATION
- FL - FLOWLINE
- LD - LANDING
- OFF - OFFSET
- STA - STATION
- SW - SIDEWALK
- TOC - TOP OF CURB
- ME - MATCH EXISTING ELEVATION
- RAMP EXTENTS

CONSTRUCTION NOTES:

- 1. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR B PER WSDOT STD PLAN F-40.15-04.
- 2. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03.
- 3. CEMENT CONC. PEDESTRIAN CURB PER CITY OF KIRKLAND STD PLAN CK-R.17A.
- 4. CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER PER CITY OF KIRKLAND STD PLAN CK-R.17.
- 5. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STD PLAN F-40.15-04.

LAKE ST - SIDEWALK PLAN



FINAL SUBMITTAL



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Downtown Kirkland and NE 124th Street
Pedestrian Safety
RAMP GRADING PLANS

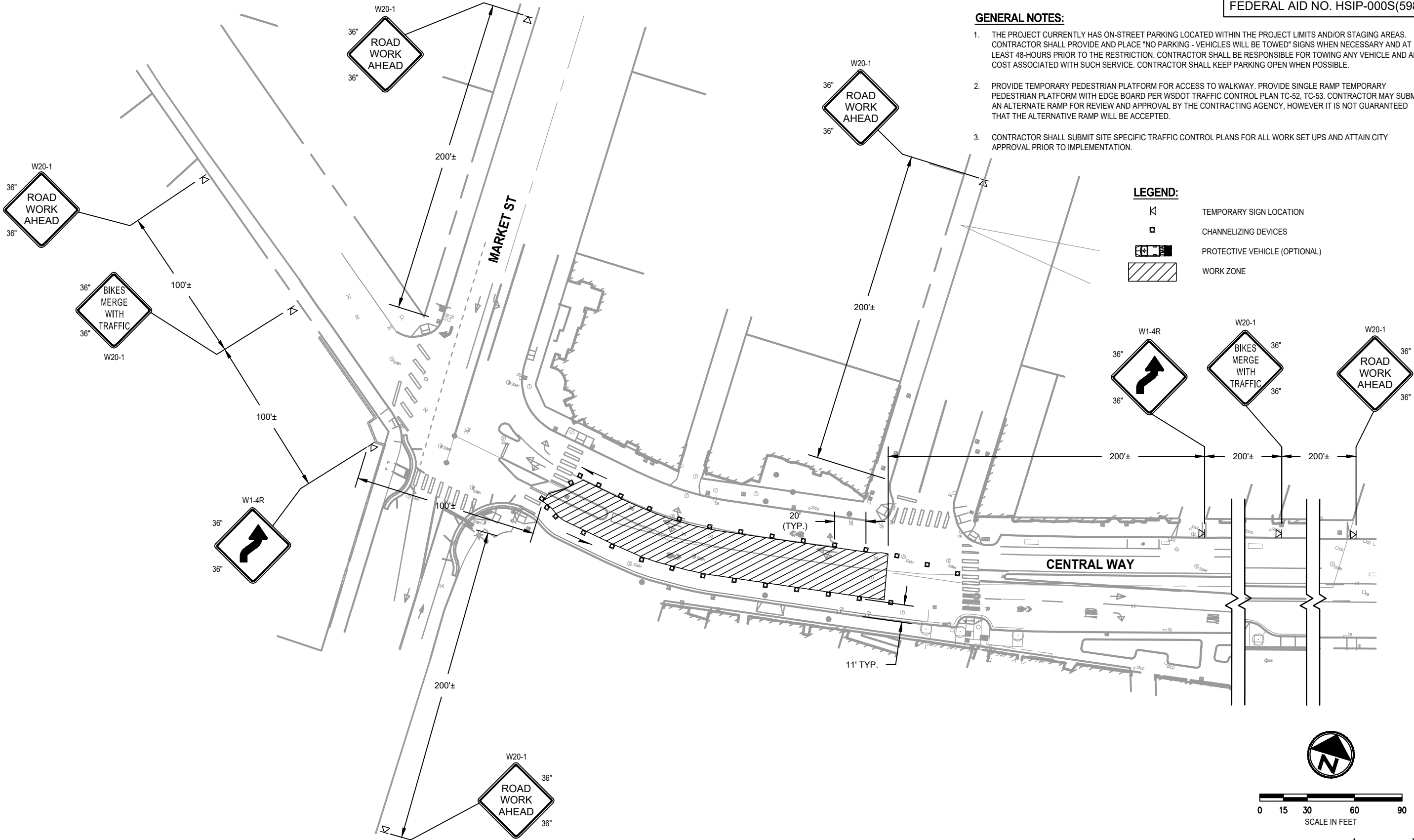
SHEET:	29 OF 36
SCALE:	
FILENAME:	GR03

GENERAL NOTES:

- 1. THE PROJECT CURRENTLY HAS ON-STREET PARKING LOCATED WITHIN THE PROJECT LIMITS AND/OR STAGING AREAS. CONTRACTOR SHALL PROVIDE AND PLACE "NO PARKING - VEHICLES WILL BE TOWED" SIGNS WHEN NECESSARY AND AT LEAST 48-HOURS PRIOR TO THE RESTRICTION. CONTRACTOR SHALL BE RESPONSIBLE FOR TOWING ANY VEHICLE AND ANY COST ASSOCIATED WITH SUCH SERVICE. CONTRACTOR SHALL KEEP PARKING OPEN WHEN POSSIBLE.
- 2. PROVIDE TEMPORARY PEDESTRIAN PLATFORM FOR ACCESS TO WALKWAY. PROVIDE SINGLE RAMP TEMPORARY PEDESTRIAN PLATFORM WITH EDGE BOARD PER WSDOT TRAFFIC CONTROL PLAN TC-52, TC-53. CONTRACTOR MAY SUBMIT AN ALTERNATE RAMP FOR REVIEW AND APPROVAL BY THE CONTRACTING AGENCY, HOWEVER IT IS NOT GUARANTEED THAT THE ALTERNATE RAMP WILL BE ACCEPTED.
- 3. CONTRACTOR SHALL SUBMIT SITE SPECIFIC TRAFFIC CONTROL PLANS FOR ALL WORK SET UPS AND ATTAIN CITY APPROVAL PRIOR TO IMPLEMENTATION.

LEGEND:

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE (OPTIONAL)
- WORK ZONE



MEDIAN CLOSURE (TYPICAL)



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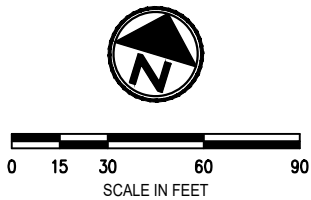
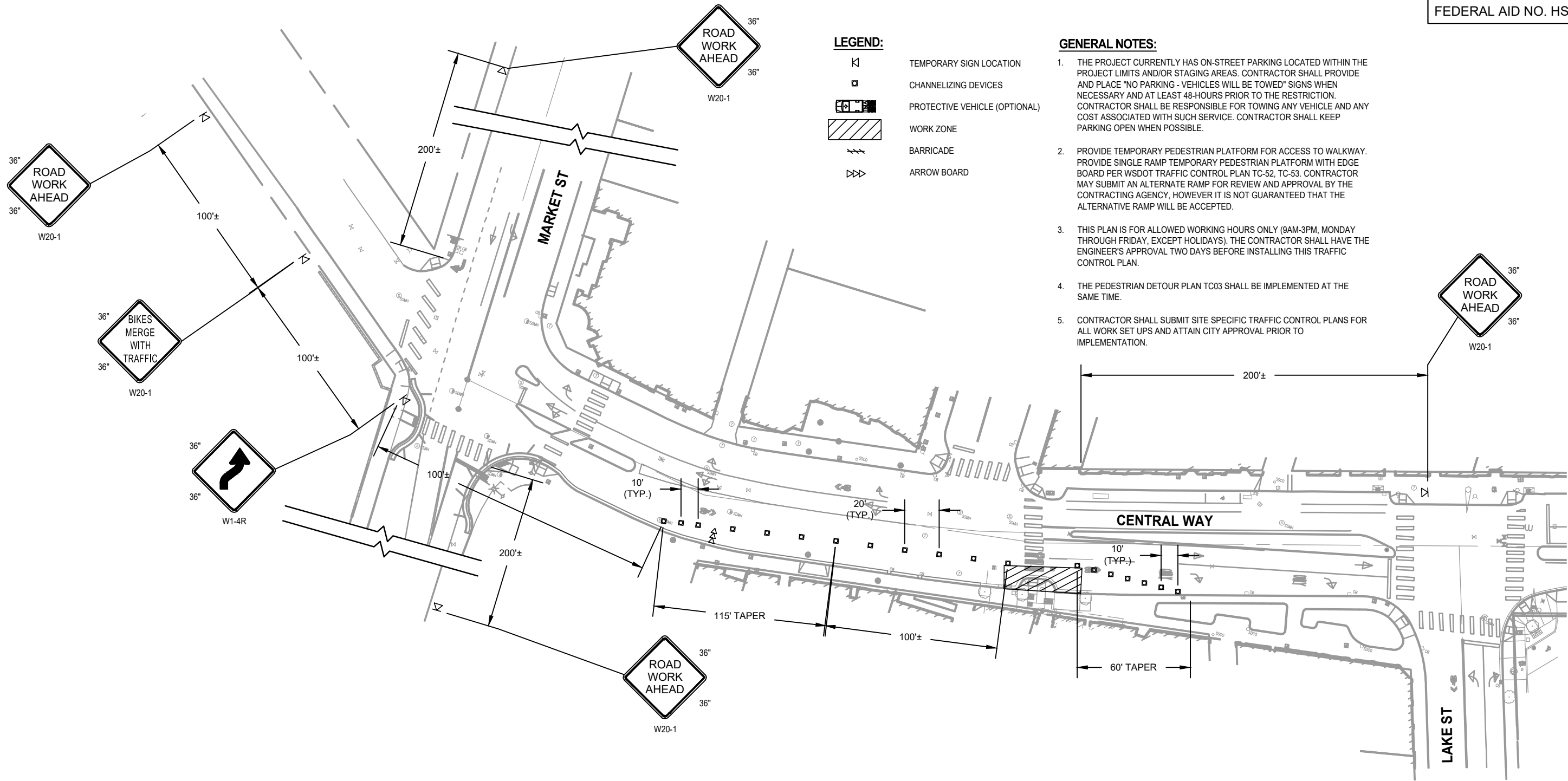


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Downtown Kirkland and NE 124th Street
Pedestrian Safety
TRAFFIC CONTROL PLAN

SHEET:
30 OF 36
SCALE:
1" = 60'
FILENAME:
TC01



CURB LANE CLOSURE – VEHICLE DETOUR (TYPICAL)



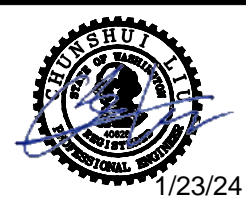
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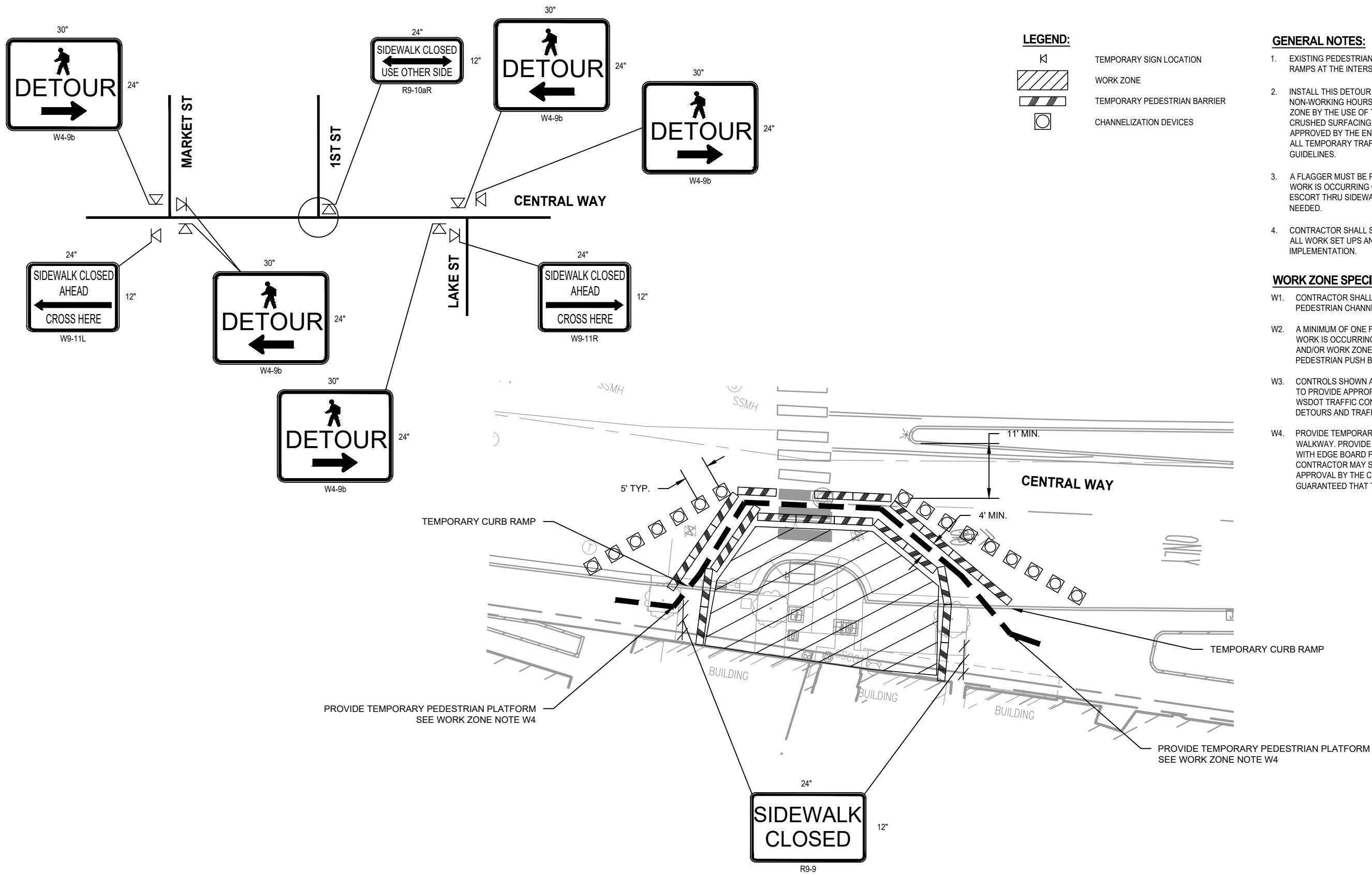


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Downtown Kirkland and NE 124th Street
Pedestrian Safety
TRAFFIC CONTROL PLAN

SHEET:	31 of 36
SCALE:	1" = 60'
FILENAME:	TC02



LEGEND:

- TEMPORARY SIGN LOCATION
- WORK ZONE
- TEMPORARY PEDESTRIAN BARRIER
- CHANNELIZATION DEVICES

- GENERAL NOTES:**
- EXISTING PEDESTRIAN ISLANDS ARE TO REMAIN IN PLACE UNTIL THE CURB RAMPS AT THE INTERSECTION ARE COMPLETE.
 - INSTALL THIS DETOUR DURING WORKING HOURS ONLY. DURING NON-WORKING HOURS PROVIDE PEDESTRIAN ACCESS THRU THE WORK ZONE BY THE USE OF TEMPORARY MEASURES SUCH AS STEEL PLATES, CRUSHED SURFACING, COLD MIX ASPHALT, OR OTHER MEASURES APPROVED BY THE ENGINEER. REMOVE SIGNS WHEN DETOUR IS NOT USED. ALL TEMPORARY TRAFFIC CONTROL SHALL COMPLY WITH PROWAG GUIDELINES.
 - A FLAGGER MUST BE PROVIDED BY THE CONTRACTOR AT ALL TIMES WHILE WORK IS OCCURRING ON A CURB RAMP TO SERVE AS A PEDESTRIAN ESCORT THRU SIDEWALK DETOURS AND TO USED THE CROSSWALK IF NEEDED.
 - CONTRACTOR SHALL SUBMIT SITE SPECIFIC TRAFFIC CONTROL PLANS FOR ALL WORK SET UPS AND ATTAIN CITY APPROVAL PRIOR TO IMPLEMENTATION.

- WORK ZONE SPECIFIC NOTES:**
- CONTRACTOR SHALL USE PEDESTRIAN CHANNELIZING DEVICES FOR PEDESTRIAN CHANNELIZATION.
 - A MINIMUM OF ONE FLAGGER MUST BE PROVIDED AT ALL TIMES WHILE WORK IS OCCURRING TO ASSIST PEDESTRIANS THRU SIDEWALK DETOURS AND/OR WORK ZONE AND PROVIDE ASSISTANCE WITH ACTIVATING PEDESTRIAN PUSH BUTTONS.
 - CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY. CONTRACTOR TO PROVIDE APPROPRIATE VEHICLE TRAFFIC CONTROL MEASURES, PER WSDOT TRAFFIC CONTROL PLANS IN CONJUNCTION WITH PEDESTRIAN DETOURS AND TRAFFIC CONTROL.
 - PROVIDE TEMPORARY PEDESTRIAN PLATFORM FOR ACCESS TO WALKWAY. PROVIDE SINGLE RAMP TEMPORARY PEDESTRIAN PLATFORM WITH EDGE BOARD PER WSDOT TRAFFIC CONTROL PLAN TC-52, TC-53. CONTRACTOR MAY SUBMIT AN ALTERNATIVE RAMP FOR REVIEW AND APPROVAL BY THE CONTRACTING AGENCY, HOWEVER IT IS NOT GUARANTEED THAT THE ALTERNATIVE RAMP WILL BE ACCEPTED.

SCALE IN FEET

CURB LANE CLOSURE – PEDESTRIAN DETOUR (TYPICAL)

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DRAWN BY:	DATE
J. LIU	1-23-24
CHECKED BY:	DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
TRAFFIC CONTROL PLAN

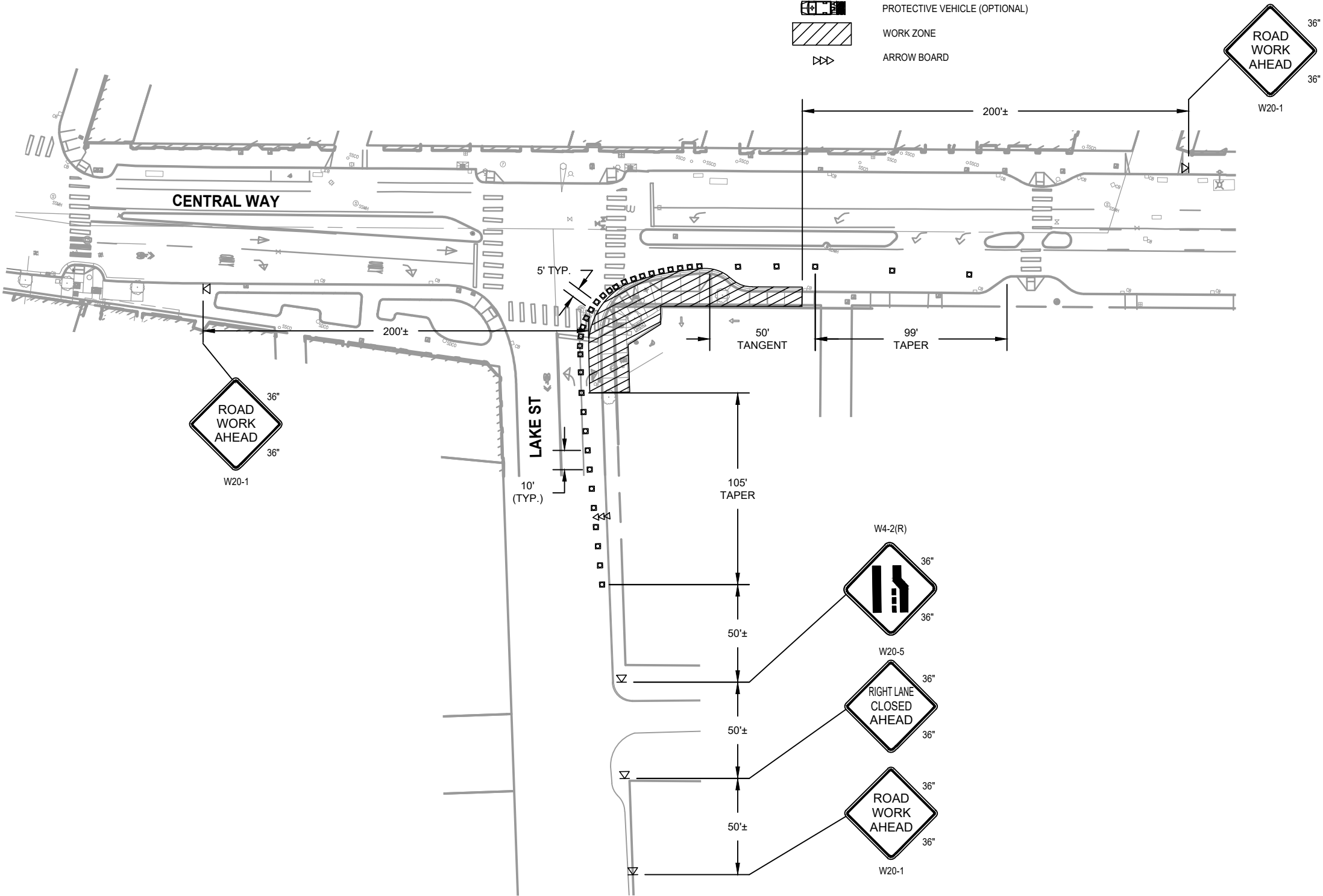
SHEET:	32 OF 36
SCALE:	1" = 20'
FILENAME:	TC03

LEGEND:

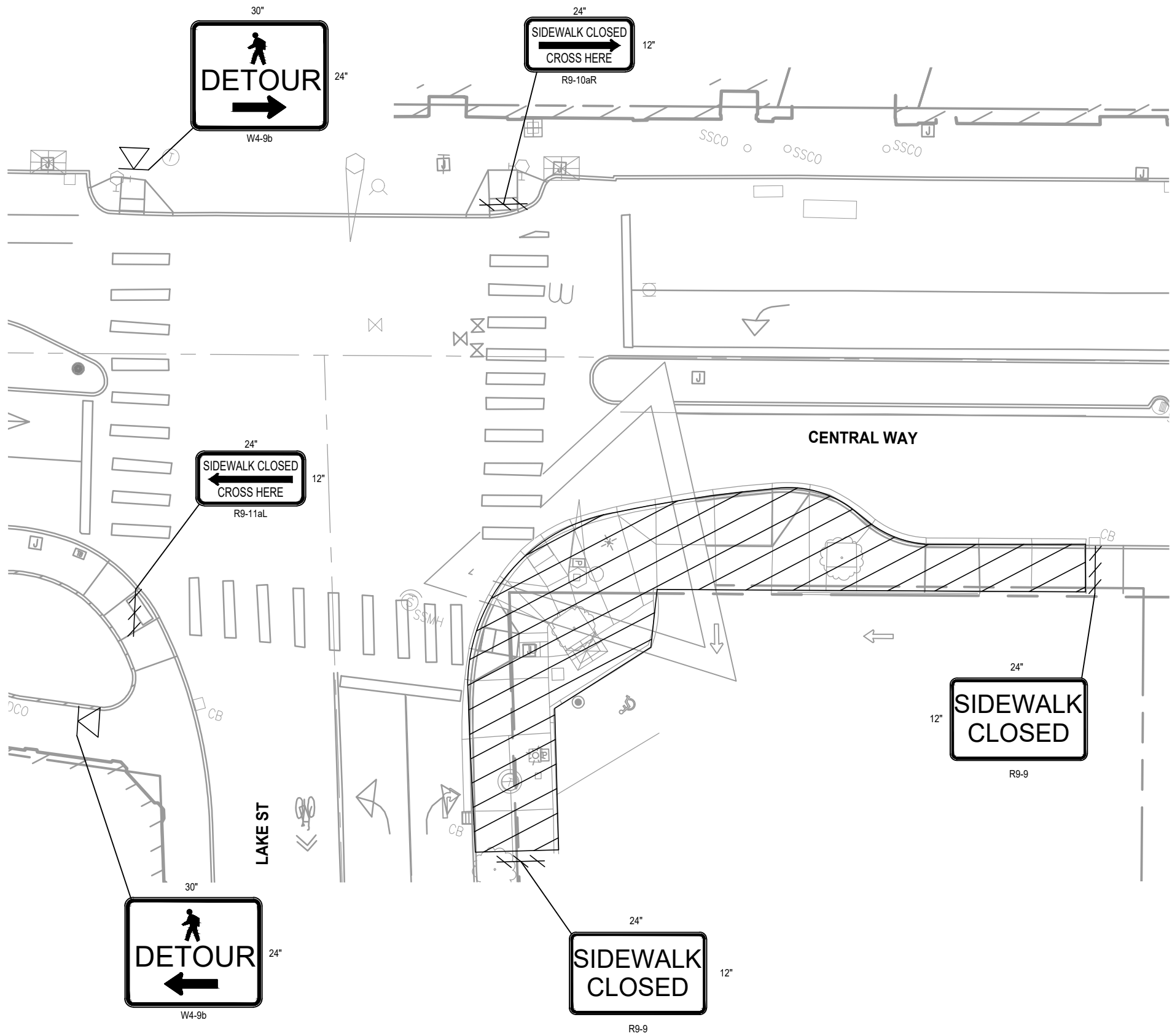
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE (OPTIONAL)
- WORK ZONE
- ARROW BOARD

GENERAL NOTES:

- THE PROJECT CURRENTLY HAS ON-STREET PARKING LOCATED WITHIN THE PROJECT LIMITS AND/OR STAGING AREAS. CONTRACTOR SHALL PROVIDE AND PLACE "NO PARKING - VEHICLES WILL BE TOWED" SIGNS WHEN NECESSARY AND AT LEAST 48-HOURS PRIOR TO THE RESTRICTION. CONTRACTOR SHALL BE RESPONSIBLE FOR TOWING ANY VEHICLE AND ANY COST ASSOCIATED WITH SUCH SERVICE. CONTRACTOR SHALL KEEP PARKING OPEN WHEN POSSIBLE.
- THIS PLAN IS FOR ALLOWED WORKING HOURS ONLY (9AM-3PM, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS). THE CONTRACTOR SHALL HAVE THE ENGINEER'S APPROVAL TWO DAYS BEFORE INSTALLING THIS TRAFFIC CONTROL PLAN. DURING NON-WORKING HOURS PROVIDE PEDESTRIAN ACCESS THRU THE WORK ZONE BY THE USE OF TEMPORARY MEASURES SUCH AS STEEL PLATES, CRUSHED SURFACING, COLD MIX ASPHALT, OR OTHER MEASURES APPROVED BY THE ENGINEER. REMOVE SIGNS WHEN DETOUR IS NOT USED. ALL TEMPORARY TRAFFIC CONTROL SHALL COMPLY WITH PROWAG GUIDELINES.
- THE PEDESTRIAN DETOUR PLAN TC05 SHALL BE IMPLEMENTED AT THE SAME TIME.
- CONTRACTOR SHALL SUBMIT SITE SPECIFIC TRAFFIC CONTROL PLANS FOR ALL WORK SET UPS AND ATTAIN CITY APPROVAL PRIOR TO IMPLEMENTATION.



INTERSECTION CORNER CLOSURE – VEHICLE DETOUR (TYPICAL)

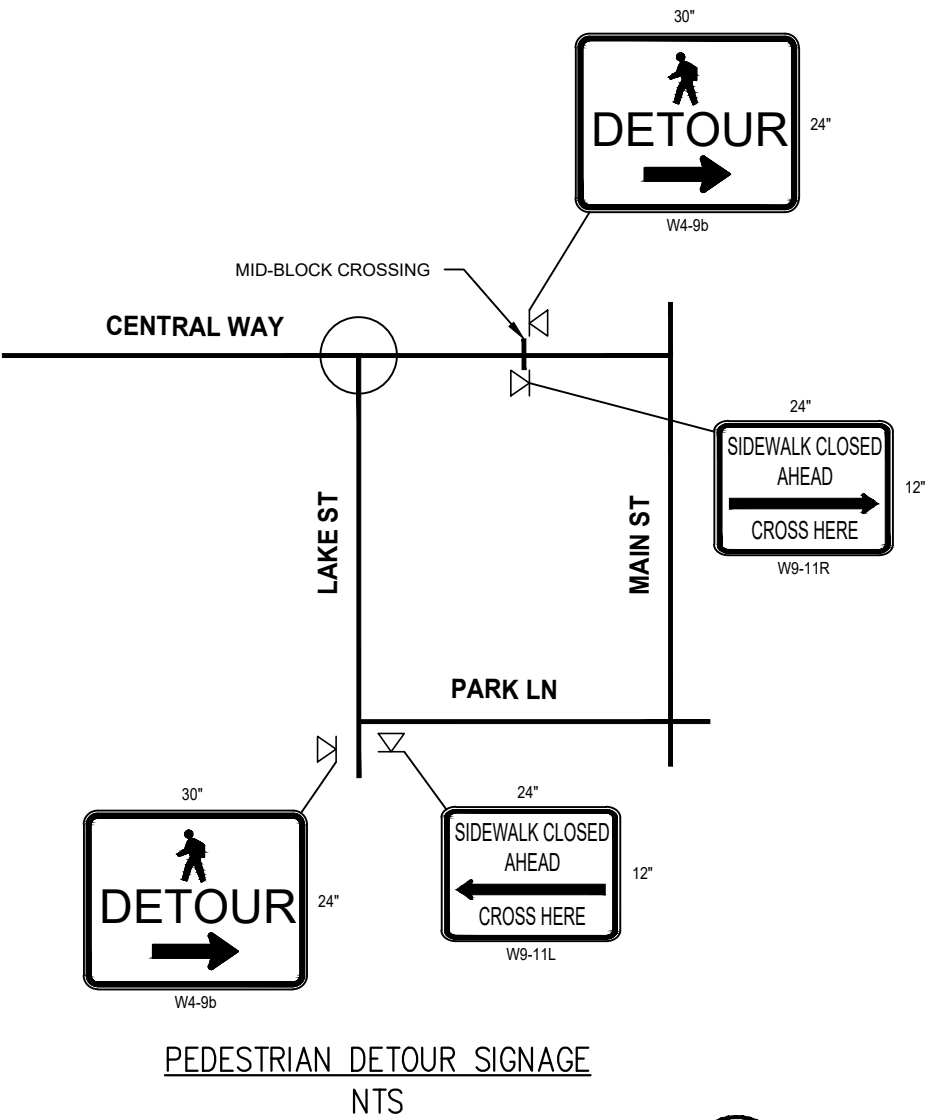


LEGEND:

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- TYPE 3 BARRICADE
- WORK ZONE

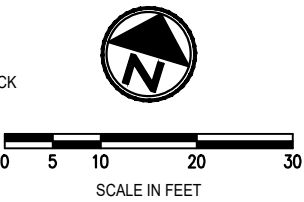
GENERAL NOTES:

- CONTRACTOR SHALL ACCOMMODATE ALL PEDESTRIAN MOVEMENT AND FLAG PEDESTRIANS ACROSS THE WORKZONE IN A SAFE MANNER, WHEN POSSIBLE.
- CONTRACTOR SHALL BUILD TEMPORARY ADA RAMP OR PATHWAY AROUND THE WORKZONE TO ACCOMMODATE PEDESTRIAN MOVEMENTS WHEN NECESSARY.
- CONTRACTOR SHALL SUBMIT SITE SPECIFIC TRAFFIC CONTROL PLANS FOR ALL WORK SET UPS AND ATTAIN CITY APPROVAL PRIOR TO IMPLEMENTATION.



NOTE:

- DETOUR SIGNAGE IN ADVANCE OF CLOSURE SHALL NOT BLOCK PEDESTRIAN ACCESS.




INTERSECTION CORNER CLOSURE – PEDESTRIAN DETOUR (TYPICAL)


MINIMUM TAPER LENGTH = L (FEET)

LANE WIDTH (FEET)	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	-


LEGEND:




TEMPORARY SIGN LOCATION




DRUMS




TEMPORARY PEDESTRIAN BARRIER



WORK ZONE



PED PATH



ARROW BOARD

- NOTES:
- W1.

CONTRACTOR SHALL USE TEMPORARY PEDESTRIAN BARRIERS FOR PEDESTRIAN CHANNELIZATION. ALL TEMPORARY TRAFFIC CONTROL SHALL COMPLY WITH PROWAG GUIDELINES.
- W2.

A MINIMUM OF ONE FLAGGER MUST BE PROVIDED AT ALL TIMES WHILE WORK IS OCCURRING TO ASSIST PEDESTRIANS THRU WORK ZONE.
- W3.

PROVIDE TEMPORARY PEDESTRIAN PLATFORM FOR ACCESS TO WALKWAY. PROVIDE SINGLE RAMP TEMPORARY PEDESTRIAN PLATFORM WITH EDGE BOARD PER WSDOT TRAFFIC CONTROL PLAN TC-52, TC-53. CONTRACTOR MAY SUBMIT AN ALTERNATIVE RAMP FOR REVIEW AND APPROVAL BY THE CONTRACTING AGENCY, HOWEVER IT IS NOT GUARANTEED THAT THE ALTERNATIVE RAMP WILL BE ACCEPTED.

- GENERAL NOTES:
1.

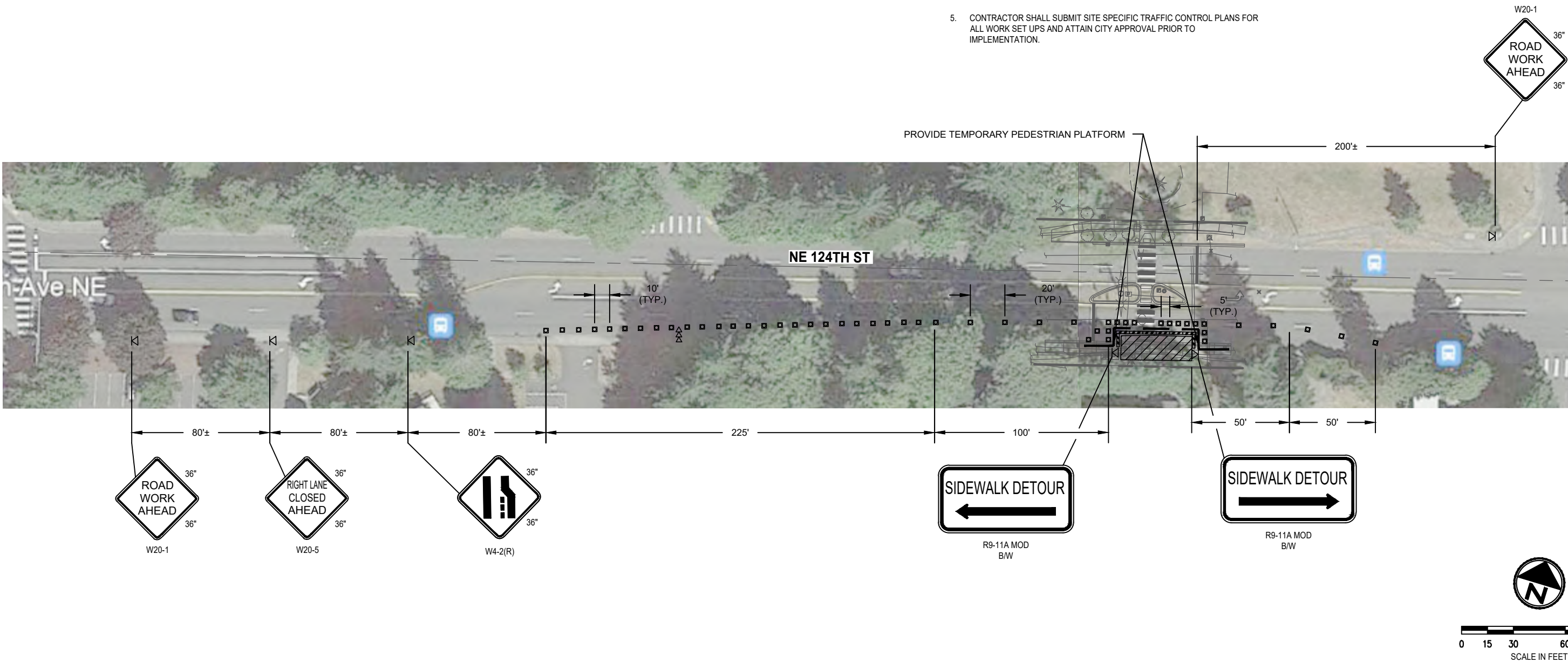
DURING NON-WORKING HOURS PROVIDE PEDESTRIAN ACCESS THRU THE WORK ZONE BY THE USE OF TEMPORARY MEASURES SUCH AS STEEL PLATES, CRUSHED SURFACING, COLD MIX ASPHALT, OR OTHER MEASURES APPROVED BY THE ENGINEER.
2.

A FLAGGER MUST BE PROVIDED BY THE CONTRACTOR AT ALL TIMES WHILE WORK IS OCCURRING ON A CURB RAMP TO SERVE AS A PEDESTRIAN ESCORT THRU SIDEWALK DETOURS AND TO USE THE CROSSWALK IF NEEDED.
3.

THE ALLOWABLE LANE CLOSURE HOURS ARE 9AM - 3PM, MONDAY THROUGH FRIDAY ONLY, EXCEPT HOLIDAYS. THE CONTRACTOR SHALL HAVE THE ENGINEER'S APPROVAL TWO DAYS BEFORE INSTALLING THIS TRAFFIC CONTROL PLAN.
4.




THE PEDESTRIAN DETOUR PLAN TC07 SHALL BE IMPLEMENTED AT THE SAME TIME.
5.

CONTRACTOR SHALL SUBMIT SITE SPECIFIC TRAFFIC CONTROL PLANS FOR ALL WORK SET UPS AND ATTAIN CITY APPROVAL PRIOR TO IMPLEMENTATION.



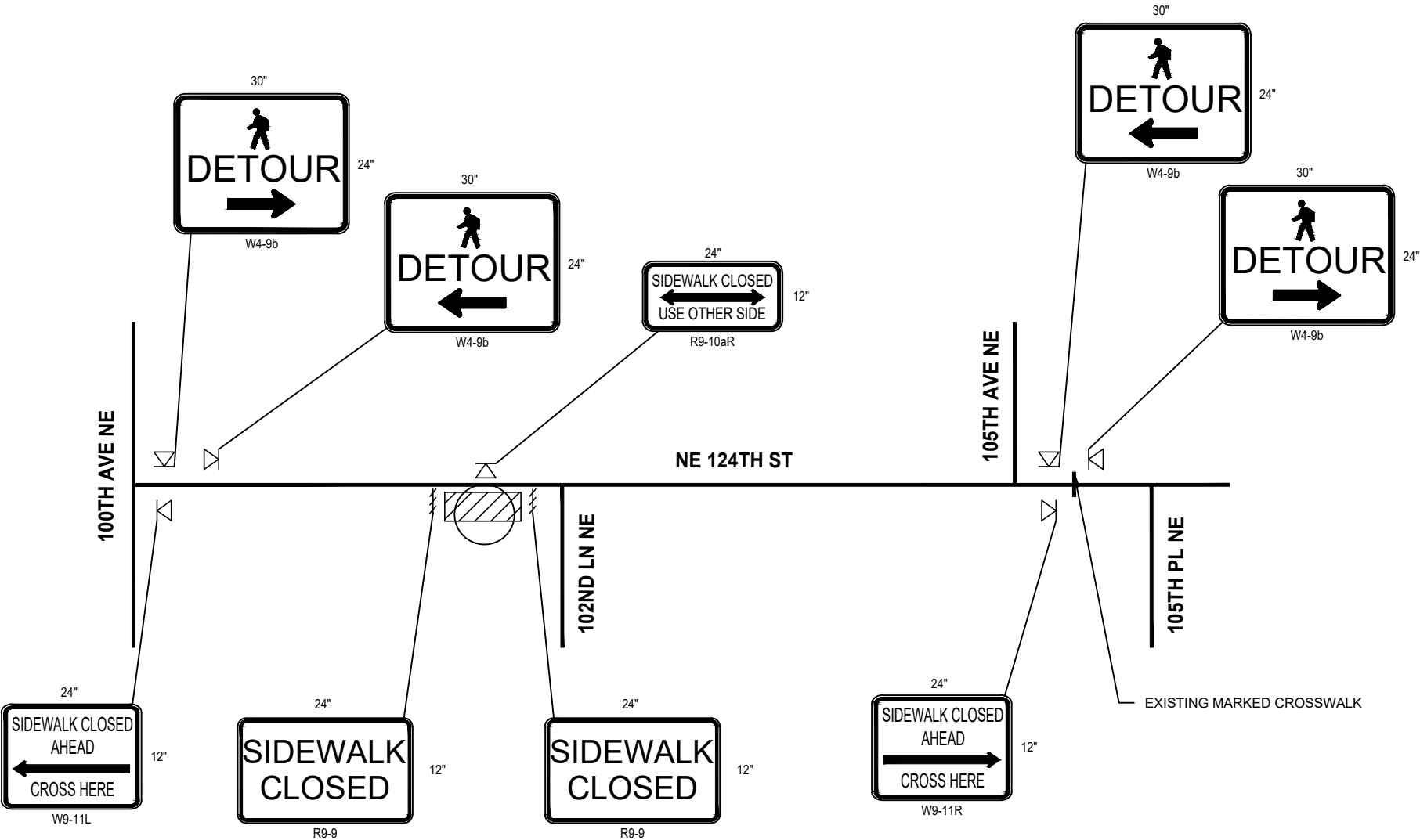
RIGHT LANE CLOSURE – VEHICLE & PEDESTRIAN DETOUR (TYPICAL)

LEGEND:

-  TEMPORARY SIGN LOCATION
-  TYPE 3 BARRICADE
-  WORK ZONE

PEDESTRIAN DETOUR GENERAL NOTES:

1. THIS PLAN IS FOR THE ALLOWED WORKING HOURS ONLY (9AM - 3PM, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS). THE CONTRACTOR SHALL HAVE THE ENGINEER'S APPROVAL TWO DAYS BEFORE INSTALLING THIS TRAFFIC CONTROL PLAN.
2. DURING NON-WORKING HOURS PROVIDE PEDESTRIAN ACCESS THRU THE WORK ZONE BY THE USE OF TEMPORARY MEASURES SUCH AS STEEL PLATES, CRUSHED SURFACING, COLD MIX ASPHALT, OR OTHER MEASURES APPROVED BY THE ENGINEER.
3. A FLAGGER MUST BE PROVIDED BY THE CONTRACTOR AT ALL TIMES WHILE WORK IS OCCURRING ON A CURB RAMP TO SERVE AS A PEDESTRIAN ESCORT THRU WORK ZONE AND TO USE THE CROSSWALK IF NEEDED.
4. CONTRACTOR SHALL SUBMIT SITE SPECIFIC PEDESTRIAN DETOUR PLANS FOR ALL WORK SET UPS AND ATTAIN CITY APPROVAL PRIOR TO IMPLEMENTATION.



NE 124TH ST SOUTH SIDEWALK CLOSURE – PEDESTRIAN DETOUR



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



719 Second Ave, Suite 1250
Seattle, WA 98104
(206) 382-9800
www.dksassociates.com

T. CHUDGAR

DESIGNED BY:

1-23-24

DATE

R. SNELLINGS

DRAWN BY:

1-23-24

DATE

J. LIU

CHECKED BY:

1-23-24

DATE

Downtown Kirkland and NE 124th Street
Pedestrian Safety
TRAFFIC CONTROL PLAN

SHEET:	36 OF 36
SCALE:	NTS
FILENAME:	TC07